



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12616  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 04/01/21  
[TESTDATE] 03/17/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-24L-PC-NF-50-80-FGS  
[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	90391
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	26.7
Vertical Beam Angle (50%)	28.5
Horizontal Field Angle (10%)	42.3
Vertical Field Angle (10%)	45.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13271
Beam Efficiency	N.A.
Field Lumens	19664
Field Efficiency	N.A.
Spill Lumens	4423
Luminaire Lumens	24087
Total Efficiency	N.A.
Total Luminaire Watts	200
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	5	85	17
75	19	75	31
65	86	65	417
55	401	55	932
47.5	574	47.5	1179
42.5	722	42.5	1137
37.5	979	37.5	1232
33	1462	33	1787
29	2440	29	3141
25.5	3934	25.5	5288
22.5	6413	22.5	9107
19.5	12386	19.5	16689
17	22232	17	27304
15	34146	15	39310
13	48321	13	54644
11	61958	11	68815
9	73054	9	79765
7	80754	7	86712
5	85352	5	90147
3	88121	3	90391
1	89268	1	89923
0	89571	0	89571
-1	89268	-1	89923
-3	88121	-3	90391
-5	85352	-5	90147
-7	80754	-7	86712
-9	73054	-9	79765
-11	61958	-11	68815
-13	48321	-13	54644
-15	34146	-15	39310
-17	22232	-17	27304
-19.5	12386	-19.5	16689
-22.5	6413	-22.5	9107
-25.5	3934	-25.5	5288
-29	2440	-29	3141
-33	1462	-33	1787
-37.5	979	-37.5	1232
-42.5	722	-42.5	1137
-47.5	574	-47.5	1179
-55	401	-55	932
-65	86	-65	417
-75	19	-75	31
-85	5	-85	17
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 90391

Beam Edge = 45195.5 Cd (50% of Max.)

Field Edge = 9039.1 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	3	8	13	15	16	17	17	18
<b>75.0</b>	0	2	5	8	12	14	16	18	19	22
<b>65.0</b>	0	3	7	12	18	28	53	107	165	205
<b>55.0</b>	0	3	9	17	33	133	242	347	437	516
<b>47.5</b>	0	4	11	22	83	291	438	560	675	782
<b>42.5</b>	0	4	13	26	144	383	515	643	753	854
<b>37.5</b>	0	4	14	29	206	440	564	698	802	888
<b>33.0</b>	0	4	15	33	256	477	606	740	846	953
<b>29.0</b>	0	4	16	35	297	507	637	771	905	1076
<b>25.5</b>	0	5	17	38	327	530	657	801	985	1239
<b>22.5</b>	0	5	17	48	349	546	675	828	1061	1412
<b>19.5</b>	0	5	18	58	368	556	690	864	1134	1588
<b>17.0</b>	0	5	18	65	380	561	701	890	1204	1744
<b>15.0</b>	0	5	18	70	387	567	709	904	1253	1844
<b>13.0</b>	0	5	18	73	393	571	715	922	1289	2013
<b>11.0</b>	0	5	19	76	397	574	720	937	1332	2140
<b>9.0</b>	0	5	19	79	399	575	723	954	1379	2226
<b>7.0</b>	0	5	19	82	401	575	722	965	1420	2322
<b>5.0</b>	0	5	19	84	402	574	720	970	1444	2403
<b>3.0</b>	0	5	19	86	404	577	724	975	1453	2434
<b>1.0</b>	0	5	19	86	402	575	723	980	1463	2449
<b>0.0</b>	0	5	19	86	401	574	722	979	1462	2440
<b>-1.0</b>	0	5	19	86	402	575	723	980	1463	2449
<b>-3.0</b>	0	5	19	86	404	577	724	975	1453	2434
<b>-5.0</b>	0	5	19	84	402	574	720	970	1444	2403
<b>-7.0</b>	0	5	19	82	401	575	722	965	1420	2322
<b>-9.0</b>	0	5	19	79	399	575	723	954	1379	2226
<b>-11.0</b>	0	5	19	76	397	574	720	937	1332	2140
<b>-13.0</b>	0	5	18	73	393	571	715	922	1289	2013
<b>-15.0</b>	0	5	18	70	387	567	709	904	1253	1844
<b>-17.0</b>	0	5	18	65	380	561	701	890	1204	1744
<b>-19.5</b>	0	5	18	58	368	556	690	864	1134	1588
<b>-22.5</b>	0	5	17	48	349	546	675	828	1061	1412
<b>-25.5</b>	0	5	17	38	327	530	657	801	985	1239
<b>-29.0</b>	0	4	16	35	297	507	637	771	905	1076
<b>-33.0</b>	0	4	15	33	256	477	606	740	846	953
<b>-37.5</b>	0	4	14	29	206	440	564	698	802	888
<b>-42.5</b>	0	4	13	26	144	383	515	643	753	854
<b>-47.5</b>	0	4	11	22	83	291	438	560	675	782
<b>-55.0</b>	0	3	9	17	33	133	242	347	437	516
<b>-65.0</b>	0	3	7	12	18	28	53	107	165	205
<b>-75.0</b>	0	2	5	8	12	14	16	18	19	22
<b>-85.0</b>	0	1	3	8	13	15	16	17	17	18
<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	18	19	19	19	19	19	19	18	18	18
75.0	24	26	27	28	29	30	30	30	31	31
65.0	234	260	295	320	337	353	368	381	393	404
55.0	591	653	713	759	795	829	857	881	903	923
47.5	871	920	985	1026	1050	1077	1105	1122	1142	1162
42.5	920	973	1018	1047	1071	1093	1112	1124	1130	1136
37.5	959	1012	1081	1135	1168	1203	1229	1246	1249	1244
33.0	1075	1205	1336	1451	1528	1585	1660	1719	1758	1783
29.0	1303	1539	1820	2069	2248	2500	2687	2824	2955	3078
25.5	1580	2003	2535	3031	3525	3993	4342	4726	4983	5180
22.5	1913	2588	3510	4442	5351	6128	6765	7600	8255	8777
19.5	2330	3311	4767	6246	7655	9226 *	10624 *	12484 *	13968 *	15111 *
17.0	2656	3988	5811	7995	9925 *	12851 *	15501 *	18811 *	21814 *	24373 *
15.0	2962	4487	6672	9242 *	12836 *	16547 *	21380 *	25522 *	30758 *	35330 *
13.0	3216	4925	7545	11286 *	15556 *	21933 *	28440 *	35803 *	41974 *	48235 *
11.0	3437	5260	8414	12949 *	19639 *	27540 *	37081 *	46369 *	55086 *	61878 *
9.0	3684	5798	9617 *	15721 *	23107 *	33849 *	45191 *	56785 *	65865 *	73845 *
7.0	3849	6165	10606 *	18239 *	27674 *	39353 *	52528 *	64205 *	74416 *	80324 *
5.0	3965	6411	11281 *	20123 *	31398 *	44288 *	57571 *	69787 *	78061 *	84167 *
3.0	3986	6504	12186 *	21745 *	33711 *	47531 *	60778 *	72241 *	80505 *	85184 *
1.0	3964	6490	12515 *	22451 *	34678 *	48736 *	62062 *	72900 *	80588 *	85518 *
0.0	3934	6413	12386 *	22232 *	34146 *	48321 *	61958 *	73054 *	80754 *	85352 *
-1.0	3964	6490	12515 *	22451 *	34678 *	48736 *	62062 *	72900 *	80588 *	85518 *
-3.0	3986	6504	12186 *	21745 *	33711 *	47531 *	60778 *	72241 *	80505 *	85184 *
-5.0	3965	6411	11281 *	20123 *	31398 *	44288 *	57571 *	69787 *	78061 *	84167 *
-7.0	3849	6165	10606 *	18239 *	27674 *	39353 *	52528 *	64205 *	74416 *	80324 *
-9.0	3684	5798	9617 *	15721 *	23107 *	33849 *	45191 *	56785 *	65865 *	73845 *
-11.0	3437	5260	8414	12949 *	19639 *	27540 *	37081 *	46369 *	55086 *	61878 *
-13.0	3216	4925	7545	11286 *	15556 *	21933 *	28440 *	35803 *	41974 *	48235 *
-15.0	2962	4487	6672	9242 *	12836 *	16547 *	21380 *	25522 *	30758 *	35330 *
-17.0	2656	3988	5811	7995	9925 *	12851 *	15501 *	18811 *	21814 *	24373 *
-19.5	2330	3311	4767	6246	7655	9226 *	10624 *	12484 *	13968 *	15111 *
-22.5	1913	2588	3510	4442	5351	6128	6765	7600	8255	8777
-25.5	1580	2003	2535	3031	3525	3993	4342	4726	4983	5180
-29.0	1303	1539	1820	2069	2248	2500	2687	2824	2955	3078
-33.0	1075	1205	1336	1451	1528	1585	1660	1719	1758	1783
-37.5	959	1012	1081	1135	1168	1203	1229	1246	1249	1244
-42.5	920	973	1018	1047	1071	1093	1112	1124	1130	1136
-47.5	871	920	985	1026	1050	1077	1105	1122	1142	1162
-55.0	591	653	713	759	795	829	857	881	903	923
-65.0	234	260	295	320	337	353	368	381	393	404
-75.0	24	26	27	28	29	30	30	30	31	31
-85.0	18	19	19	19	19	19	19	18	18	18
-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	18	17	17	17	18	18	18	18	19	19
75.0	31	31	31	31	31	31	31	30	30	30
65.0	412	415	417	415	412	404	393	381	368	353

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**CANDELA TABULATION - (Cont.)**

55.0	934	933	932	933	934	923	903	881	857	829
47.5	1181	1180	1179	1180	1181	1162	1142	1122	1105	1077
42.5	1139	1138	1137	1138	1139	1136	1130	1124	1112	1093
37.5	1232	1233	1232	1233	1232	1244	1249	1246	1229	1203
33.0	1789	1791	1787	1791	1789	1783	1758	1719	1660	1585
29.0	3137	3153	3141	3153	3137	3078	2955	2824	2687	2500
25.5	5287	5308	5288	5308	5287	5180	4983	4726	4342	3993
22.5	9150 *	9243 *	9107 *	9243 *	9150 *	8777	8255	7600	6765	6128
19.5	16307 *	16815 *	16689 *	16815 *	16307 *	15111 *	13968 *	12484 *	10624 *	9226 *
17.0	26474 *	27477 *	27304 *	27477 *	26474 *	24373 *	21814 *	18811 *	15501 *	12851 *
15.0	38413 *	39780 *	39310 *	39780 *	38413 *	35330 *	30758 *	25522 *	21380 *	16547 *
13.0	52901 *	54868 *	54644 *	54868 *	52901 *	48235 *	41974 *	35803 *	28440 *	21933 *
11.0	66703 *	68951 *	68815 *	68951 *	66703 *	61878 *	55086 *	46369 *	37081 *	27540 *
9.0	78130 *	79798 *	79765 *	79798 *	78130 *	73845 *	65865 *	56785 *	45191 *	33849 *
7.0	85138 *	86595 *	86712 *	86595 *	85138 *	80324 *	74416 *	64205 *	52528 *	39353 *
5.0	87535 *	89800 *	90147 *	89800 *	87535 *	84167 *	78061 *	69787 *	57571 *	44288 *
3.0	88265 *	90060 *	90391 *	90060 *	88265 *	85184 *	80505 *	72241 *	60778 *	47531 *
1.0	88216 *	89570 *	89923 *	89570 *	88216 *	85518 *	80588 *	72900 *	62062 *	48736 *
0.0	88121 *	89268 *	89571 *	89268 *	88121 *	85352 *	80754 *	73054 *	61958 *	48321 *
-1.0	88216 *	89570 *	89923 *	89570 *	88216 *	85518 *	80588 *	72900 *	62062 *	48736 *
-3.0	88265 *	90060 *	90391 *	90060 *	88265 *	85184 *	80505 *	72241 *	60778 *	47531 *
-5.0	87535 *	89800 *	90147 *	89800 *	87535 *	84167 *	78061 *	69787 *	57571 *	44288 *
-7.0	85138 *	86595 *	86712 *	86595 *	85138 *	80324 *	74416 *	64205 *	52528 *	39353 *
-9.0	78130 *	79798 *	79765 *	79798 *	78130 *	73845 *	65865 *	56785 *	45191 *	33849 *
-11.0	66703 *	68951 *	68815 *	68951 *	66703 *	61878 *	55086 *	46369 *	37081 *	27540 *
-13.0	52901 *	54868 *	54644 *	54868 *	52901 *	48235 *	41974 *	35803 *	28440 *	21933 *
-15.0	38413 *	39780 *	39310 *	39780 *	38413 *	35330 *	30758 *	25522 *	21380 *	16547 *
-17.0	26474 *	27477 *	27304 *	27477 *	26474 *	24373 *	21814 *	18811 *	15501 *	12851 *
-19.5	16307 *	16815 *	16689 *	16815 *	16307 *	15111 *	13968 *	12484 *	10624 *	9226 *
-22.5	9150 *	9243 *	9107 *	9243 *	9150 *	8777	8255	7600	6765	6128
-25.5	5287	5308	5288	5308	5287	5180	4983	4726	4342	3993
-29.0	3137	3153	3141	3153	3137	3078	2955	2824	2687	2500
-33.0	1789	1791	1787	1791	1789	1783	1758	1719	1660	1585
-37.5	1232	1233	1232	1233	1232	1244	1249	1246	1229	1203
-42.5	1139	1138	1137	1138	1139	1136	1130	1124	1112	1093
-47.5	1181	1180	1179	1180	1181	1162	1142	1122	1105	1077
-55.0	934	933	932	933	934	923	903	881	857	829
-65.0	412	415	417	415	412	404	393	381	368	353
-75.0	31	31	31	31	31	31	31	30	30	30
-85.0	18	17	17	17	18	18	18	18	19	19
-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	19	19	19	19	18	18	17	17	16	15
75.0	29	28	27	26	24	22	19	18	16	14
65.0	337	320	295	260	234	205	165	107	53	28
55.0	795	759	713	653	591	516	437	347	242	133
47.5	1050	1026	985	920	871	782	675	560	438	291
42.5	1071	1047	1018	973	920	854	753	643	515	383
37.5	1168	1135	1081	1012	959	888	802	698	564	440
33.0	1528	1451	1336	1205	1075	953	846	740	606	477
29.0	2248	2069	1820	1539	1303	1076	905	771	637	507
25.5	3525	3031	2535	2003	1580	1239	985	801	657	530

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**CANDELA TABULATION - (Cont.)**

22.5	5351	4442	3510	2588	1913	1412	1061	828	675	546
19.5	7655	6246	4767	3311	2330	1588	1134	864	690	556
17.0	9925 *	7995	5811	3988	2656	1744	1204	890	701	561
15.0	12836 *	9242 *	6672	4487	2962	1844	1253	904	709	567
13.0	15556 *	11286 *	7545	4925	3216	2013	1289	922	715	571
11.0	19639 *	12949 *	8414	5260	3437	2140	1332	937	720	574
9.0	23107 *	15721 *	9617 *	5798	3684	2226	1379	954	723	575
7.0	27674 *	18239 *	10606 *	6165	3849	2322	1420	965	722	575
5.0	31398 *	20123 *	11281 *	6411	3965	2403	1444	970	720	574
3.0	33711 *	21745 *	12186 *	6504	3986	2434	1453	975	724	577
1.0	34678 *	22451 *	12515 *	6490	3964	2449	1463	980	723	575
0.0	34146 *	22232 *	12386 *	6413	3934	2440	1462	979	722	574
-1.0	34678 *	22451 *	12515 *	6490	3964	2449	1463	980	723	575
-3.0	33711 *	21745 *	12186 *	6504	3986	2434	1453	975	724	577
-5.0	31398 *	20123 *	11281 *	6411	3965	2403	1444	970	720	574
-7.0	27674 *	18239 *	10606 *	6165	3849	2322	1420	965	722	575
-9.0	23107 *	15721 *	9617 *	5798	3684	2226	1379	954	723	575
-11.0	19639 *	12949 *	8414	5260	3437	2140	1332	937	720	574
-13.0	15556 *	11286 *	7545	4925	3216	2013	1289	922	715	571
-15.0	12836 *	9242 *	6672	4487	2962	1844	1253	904	709	567
-17.0	9925 *	7995	5811	3988	2656	1744	1204	890	701	561
-19.5	7655	6246	4767	3311	2330	1588	1134	864	690	556
-22.5	5351	4442	3510	2588	1913	1412	1061	828	675	546
-25.5	3525	3031	2535	2003	1580	1239	985	801	657	530
-29.0	2248	2069	1820	1539	1303	1076	905	771	637	507
-33.0	1528	1451	1336	1205	1075	953	846	740	606	477
-37.5	1168	1135	1081	1012	959	888	802	698	564	440
-42.5	1071	1047	1018	973	920	854	753	643	515	383
-47.5	1050	1026	985	920	871	782	675	560	438	291
-55.0	795	759	713	653	591	516	437	347	242	133
-65.0	337	320	295	260	234	205	165	107	53	28
-75.0	29	28	27	26	24	22	19	18	16	14
-85.0	19	19	19	19	18	18	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	13	8	3	1	0
75.0	12	8	5	2	0
65.0	18	12	7	3	0
55.0	33	17	9	3	0
47.5	83	22	11	4	0
42.5	144	26	13	4	0
37.5	206	29	14	4	0
33.0	256	33	15	4	0
29.0	297	35	16	4	0
25.5	327	38	17	5	0
22.5	349	48	17	5	0
19.5	368	58	18	5	0
17.0	380	65	18	5	0
15.0	387	70	18	5	0
13.0	393	73	18	5	0
11.0	397	76	19	5	0
9.0	399	79	19	5	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	401	82	19	5	0
<b>5.0</b>	402	84	19	5	0
<b>3.0</b>	404	86	19	5	0
<b>1.0</b>	402	86	19	5	0
<b>0.0</b>	401	86	19	5	0
<b>-1.0</b>	402	86	19	5	0
<b>-3.0</b>	404	86	19	5	0
<b>-5.0</b>	402	84	19	5	0
<b>-7.0</b>	401	82	19	5	0
<b>-9.0</b>	399	79	19	5	0
<b>-11.0</b>	397	76	19	5	0
<b>-13.0</b>	393	73	18	5	0
<b>-15.0</b>	387	70	18	5	0
<b>-17.0</b>	380	65	18	5	0
<b>-19.5</b>	368	58	18	5	0
<b>-22.5</b>	349	48	17	5	0
<b>-25.5</b>	327	38	17	5	0
<b>-29.0</b>	297	35	16	4	0
<b>-33.0</b>	256	33	15	4	0
<b>-37.5</b>	206	29	14	4	0
<b>-42.5</b>	144	26	13	4	0
<b>-47.5</b>	83	22	11	4	0
<b>-55.0</b>	33	17	9	3	0
<b>-65.0</b>	18	12	7	3	0
<b>-75.0</b>	12	8	5	2	0
<b>-85.0</b>	13	8	3	1	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12043.68

Total Field Lumens (one side of beam only) = 9832.00

\* 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	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.17
65	0.68	1.35	1.33	1.30	1.26	1.21	1.16	1.11	1.05	1.21
55	2.05	4.10	4.06	3.97	3.86	3.73	3.59	3.42	3.24	3.77
47.5	2.41	4.83	4.79	4.69	4.58	4.46	4.32	4.16	3.99	4.72
42.5	1.76	3.53	3.51	3.46	3.41	3.35	3.27	3.17	3.07	3.68
37.5	1.80	3.61	3.61	3.60	3.58	3.53	3.45	3.35	3.24	3.87
33	2.07	4.14	4.13	4.11	4.05	3.95	3.81	3.65	3.48	4.07
29	3.01	6.01	5.95	5.80	5.58	5.33	5.02	4.65	4.27	4.83
25.5	4.50	9.00	8.87	8.59	8.18	7.65	7.05	6.34	5.57	5.98
22.5	6.61	13.24	12.94	12.36	11.57	10.54	9.49	8.42	7.18	7.33
19.5	11.85 *	23.52 *	22.49 *	20.95 *	19.14 *	16.86 *	14.63	12.57	10.41	10.29
17	16.81 *	33.13 *	31.25 *	28.50 *	25.29 *	21.53 *	17.95 *	14.65 *	11.65	11.22
15	20.39 *	40.23 *	37.86 *	34.01 *	29.23 *	24.36 *	19.75 *	15.42 *	11.71 *	10.75
13	28.72 *	56.61 *	53.14 *	47.35 *	40.44 *	33.34 *	26.31 *	19.76 *	14.32 *	12.56
11	37.66 *	74.10 *	69.80 *	62.76 *	54.06 *	44.30 *	34.26 *	25.02 *	17.40 *	14.53 *
9	45.28 *	89.37 *	85.25 *	77.76 *	67.60 *	55.62 *	42.80 *	30.78 *	20.91 *	16.89 *
7	50.70 *	100.35 *	96.46 *	89.20 *	78.81 *	65.61 *	50.93 *	36.64 *	24.81 *	19.59 *
5	53.80 *	106.26 *	102.45 *	96.02 *	86.41 *	73.22 *	57.72 *	42.18 *	28.53 *	21.79 *
3	54.89 *	108.27 *	104.88 *	99.34 *	90.67 *	78.11 *	62.62 *	46.38 *	31.32 *	23.62 *
1	54.82 *	108.41 *	105.50 *	100.51 *	92.37 *	80.39 *	65.28 *	48.66 *	32.97 *	24.91 *
0	27.29 *	54.06 *	52.75 *	50.32 *	46.35 *	40.49 *	32.93 *	24.51 *	16.62 *	12.58 *
-1	27.29 *	54.06 *	52.75 *	50.32 *	46.35 *	40.49 *	32.93 *	24.51 *	16.62 *	12.58 *
	54.82 *	108.41 *	105.50 *	100.51 *	92.37 *	80.39 *	65.28 *	48.66 *	32.97 *	24.91 *

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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	54.89 *	108.27 *	104.88 *	99.34 *	90.67 *	78.11 *	62.62 *	46.38 *	31.32 *	23.62 *
<b>-5</b>	53.80 *	106.26 *	102.45 *	96.02 *	86.41 *	73.22 *	57.72 *	42.18 *	28.53 *	21.79 *
<b>-7</b>	50.70 *	100.35 *	96.46 *	89.20 *	78.81 *	65.61 *	50.93 *	36.64 *	24.81 *	19.59 *
<b>-9</b>	45.28 *	89.37 *	85.25 *	77.76 *	67.60 *	55.62 *	42.80 *	30.78 *	20.91 *	16.89 *
<b>-11</b>	37.66 *	74.10 *	69.80 *	62.76 *	54.06 *	44.30 *	34.26 *	25.02 *	17.40 *	14.53 *
<b>-13</b>	28.72 *	56.61 *	53.14 *	47.35 *	40.44 *	33.34 *	26.31 *	19.76 *	14.32 *	12.56
<b>-15</b>	20.39 *	40.23 *	37.86 *	34.01 *	29.23 *	24.36 *	19.75 *	15.42 *	11.71 *	10.75
<b>-17</b>	16.81 *	33.13 *	31.25 *	28.50 *	25.29 *	21.53 *	17.95 *	14.65 *	11.65	11.22
<b>-19.5</b>	11.85 *	23.52 *	22.49 *	20.95 *	19.14 *	16.86 *	14.63	12.57	10.41	10.29
<b>-22.5</b>	6.61	13.24	12.94	12.36	11.57	10.54	9.49	8.42	7.18	7.33
<b>-25.5</b>	4.50	9.00	8.87	8.59	8.18	7.65	7.05	6.34	5.57	5.98
<b>-29</b>	3.01	6.01	5.95	5.80	5.58	5.33	5.02	4.65	4.27	4.83
<b>-33</b>	2.07	4.14	4.13	4.11	4.05	3.95	3.81	3.65	3.48	4.07
<b>-37.5</b>	1.80	3.61	3.61	3.60	3.58	3.53	3.45	3.35	3.24	3.87
<b>-42.5</b>	1.76	3.53	3.51	3.46	3.41	3.35	3.27	3.17	3.07	3.68
<b>-47.5</b>	2.41	4.83	4.79	4.69	4.58	4.46	4.32	4.16	3.99	4.72
<b>-55</b>	2.05	4.10	4.06	3.97	3.86	3.73	3.59	3.42	3.24	3.77
<b>-65</b>	0.68	1.35	1.33	1.30	1.26	1.21	1.16	1.11	1.05	1.21
<b>-75</b>	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.17
<b>-85</b>	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<b>-90</b>										
<b>Total</b>	854.40	1688.58	1622.37	1509.56	1353.21	1155.55	933.05	710.05	511.79	436.81

**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>	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.01
<b>85</b>	0.19	0.18	0.19	0.20	0.20	0.20	0.16	0.19	0.16	0.06
<b>75</b>	1.30	1.14	1.15	1.07	0.86	0.57	0.30	0.26	0.19	0.08
<b>65</b>	4.10	3.63	3.66	3.45	2.95	2.18	1.23	0.76	0.30	0.12
<b>55</b>	5.23	4.75	4.90	4.72	4.24	3.47	2.23	1.45	0.44	0.12

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

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	4.15	3.84	4.06	4.00	3.68	3.14	2.19	1.61	0.52	0.09
<b>42.5</b>										
	4.35	4.03	4.29	4.30	4.05	3.53	2.56	2.10	0.77	0.11
<b>37.5</b>										
	4.45	3.99	4.13	4.10	3.89	3.42	2.53	2.22	0.90	0.11
<b>33</b>										
	5.03	4.28	4.18	3.95	3.65	3.21	2.40	2.20	0.94	0.10
<b>29</b>										
	5.89	4.69	4.31	3.84	3.39	2.92	2.20	2.08	0.93	0.10
<b>25.5</b>										
	6.80	5.06	4.37	3.68	3.08	2.59	1.94	1.88	0.87	0.09
<b>22.5</b>										
	9.07	6.35	5.15	4.07	3.26	2.67	1.99	1.95	0.94	0.11
<b>19.5</b>										
	9.53	6.41	4.93	3.70	2.86	2.29	1.69	1.67	0.83	0.10
<b>17</b>										
	8.94	5.88	4.36	3.16	2.38	1.87	1.37	1.35	0.69	0.09
<b>15</b>										
	10.08	6.51	4.76	3.34	2.44	1.90	1.38	1.37	0.70	0.09
<b>13</b>										
	11.15	7.03	5.12	3.54	2.51	1.92	1.39	1.38	0.71	0.10
<b>11</b>										
	12.41	7.59	5.44	3.69	2.58	1.94	1.40	1.39	0.72	0.10
<b>9</b>										
	13.73	8.14	5.72	3.84	2.64	1.96	1.40	1.39	0.73	0.10
<b>7</b>										
	14.70	8.51	5.94	3.96	2.69	1.97	1.39	1.39	0.74	0.11
<b>5</b>										
	15.52 *	8.71	6.06	4.04	2.71	1.98	1.40	1.40	0.74	0.11
<b>3</b>										
	16.08 *	8.74	6.08	4.07	2.73	1.98	1.40	1.40	0.74	0.11
<b>1</b>										
	8.06 *	4.34	3.03	2.04	1.37	0.99	0.70	0.70	0.37	0.05
<b>0</b>										
	8.06 *	4.34	3.03	2.04	1.37	0.99	0.70	0.70	0.37	0.05
<b>-1</b>										
	16.08 *	8.74	6.08	4.07	2.73	1.98	1.40	1.40	0.74	0.11
<b>-3</b>										
	15.52 *	8.71	6.06	4.04	2.71	1.98	1.40	1.40	0.74	0.11
<b>-5</b>										
	14.70	8.51	5.94	3.96	2.69	1.97	1.39	1.39	0.74	0.11
<b>-7</b>										
	13.73	8.14	5.72	3.84	2.64	1.96	1.40	1.39	0.73	0.10
<b>-9</b>										
	12.41	7.59	5.44	3.69	2.58	1.94	1.40	1.39	0.72	0.10
<b>-11</b>										
	11.15	7.03	5.12	3.54	2.51	1.92	1.39	1.38	0.71	0.10
<b>-13</b>										
	10.08	6.51	4.76	3.34	2.44	1.90	1.38	1.37	0.70	0.09
<b>-15</b>										
	8.94	5.88	4.36	3.16	2.38	1.87	1.37	1.35	0.69	0.09
<b>-17</b>										
	9.53	6.41	4.93	3.70	2.86	2.29	1.69	1.67	0.83	0.10
<b>-19.5</b>										
	9.07	6.35	5.15	4.07	3.26	2.67	1.99	1.95	0.94	0.11

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

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	6.80	5.06	4.37	3.68	3.08	2.59	1.94	1.88	0.87	0.09
<b>-25.5</b>	5.89	4.69	4.31	3.84	3.39	2.92	2.20	2.08	0.93	0.10
<b>-29</b>	5.03	4.28	4.18	3.95	3.65	3.21	2.40	2.20	0.94	0.10
<b>-33</b>	4.45	3.99	4.13	4.10	3.89	3.42	2.53	2.22	0.90	0.11
<b>-37.5</b>	4.35	4.03	4.29	4.30	4.05	3.53	2.56	2.10	0.77	0.11
<b>-42.5</b>	4.15	3.84	4.06	4.00	3.68	3.14	2.19	1.61	0.52	0.09
<b>-47.5</b>	5.23	4.75	4.90	4.72	4.24	3.47	2.23	1.45	0.44	0.12
<b>-55</b>	4.10	3.63	3.66	3.45	2.95	2.18	1.23	0.76	0.30	0.12
<b>-65</b>	1.30	1.14	1.15	1.07	0.86	0.57	0.30	0.26	0.19	0.08
<b>-75</b>	0.19	0.18	0.19	0.20	0.20	0.20	0.16	0.19	0.16	0.06
<b>-85</b>	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.01
<b>-90</b>	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.01
<b>Total</b>	341.62	227.66	183.76	145.61	116.40	93.53	66.54	60.34	27.96	4.13

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00	0.68	
<b>85</b>				
	0.01	0.00	3.16	
<b>75</b>				
	0.02	0.00	18.61	
<b>65</b>				
	0.03	0.00	58.21	
<b>55</b>				
	0.03	0.00	74.52	
<b>47.5</b>				
	0.02	0.00	59.53	
<b>42.5</b>				
	0.02	0.00	63.77	
<b>37.5</b>				
	0.02	0.00	67.21	
<b>33</b>				
	0.02	0.00	80.41	
<b>29</b>				
	0.02	0.00	102.10	
<b>25.5</b>				
	0.02	0.00	130.07	
<b>22.5</b>				
	0.02	0.00	198.30	
<b>19.5</b>				
	0.02	0.00	246.00	
<b>17</b>				
	0.01	0.00	273.79	

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

**LUMENS TABULATION - (Cont.)**

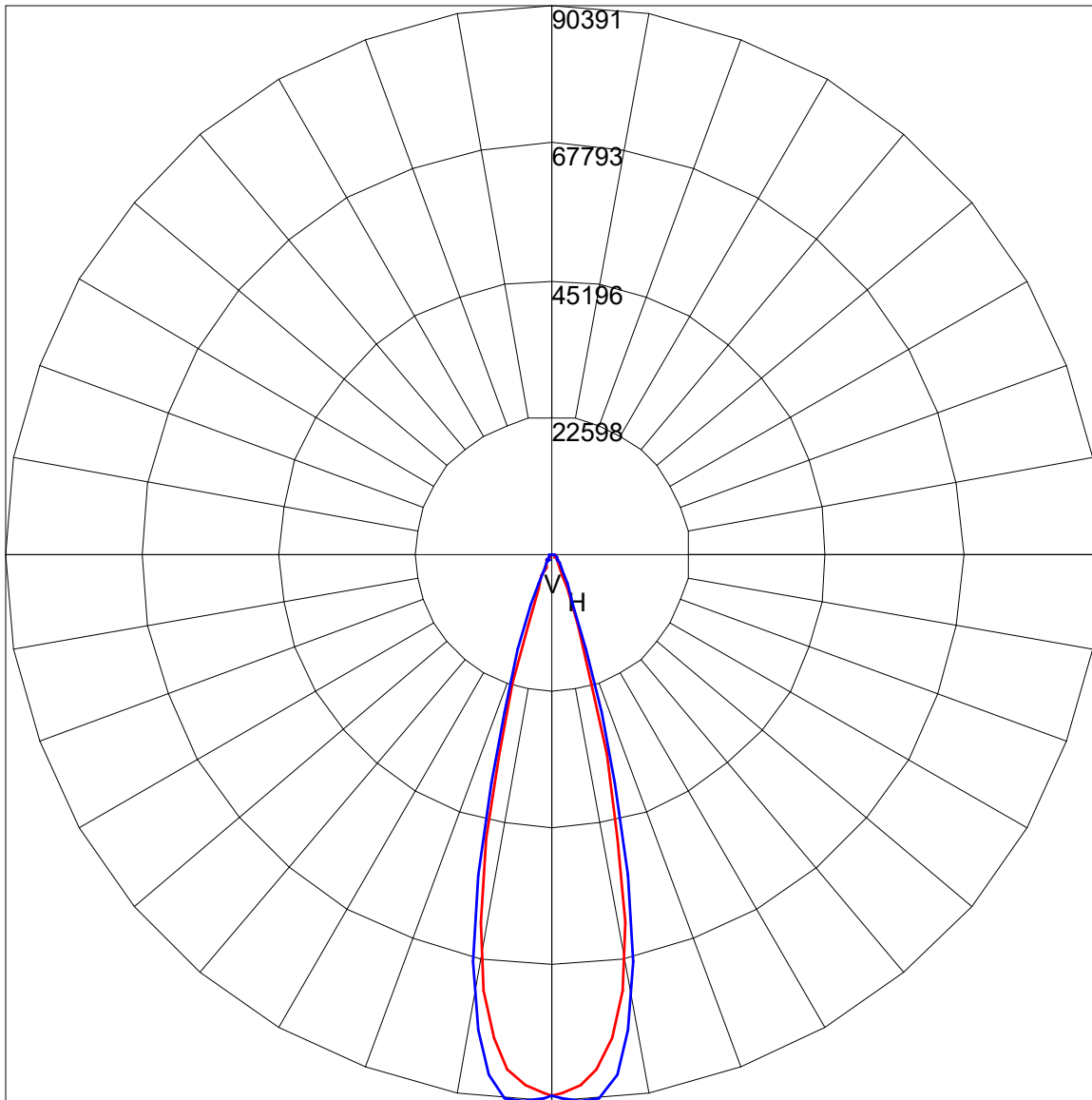
<b>15</b>	0.01	0.00	365.14
<b>13</b>	0.01	0.00	468.77
<b>11</b>	0.01	0.00	569.53
<b>9</b>	0.01	0.00	652.76
<b>7</b>	0.01	0.00	709.80
<b>5</b>	0.01	0.00	742.77
<b>3</b>	0.01	0.00	757.16
<b>1</b>	0.01	0.00	379.56
<b>0</b>	0.01	0.00	379.56
<b>-1</b>	0.01	0.00	757.16
<b>-3</b>	0.01	0.00	742.77
<b>-5</b>	0.01	0.00	709.80
<b>-7</b>	0.01	0.00	652.76
<b>-9</b>	0.01	0.00	569.53
<b>-11</b>	0.01	0.00	468.77
<b>-13</b>	0.01	0.00	365.14
<b>-15</b>	0.01	0.00	273.79
<b>-17</b>	0.02	0.00	246.00
<b>-19.5</b>	0.02	0.00	198.30
<b>-22.5</b>	0.02	0.00	130.07
<b>-25.5</b>	0.02	0.00	102.10
<b>-29</b>	0.02	0.00	80.41
<b>-33</b>	0.02	0.00	67.21
<b>-37.5</b>	0.02	0.00	63.77
<b>-42.5</b>	0.02	0.00	59.53
<b>-47.5</b>	0.03	0.00	74.52
<b>-55</b>	0.03	0.00	58.21
<b>-65</b>	0.02	0.00	18.61

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

**LUMENS TABULATION - (Cont.)**

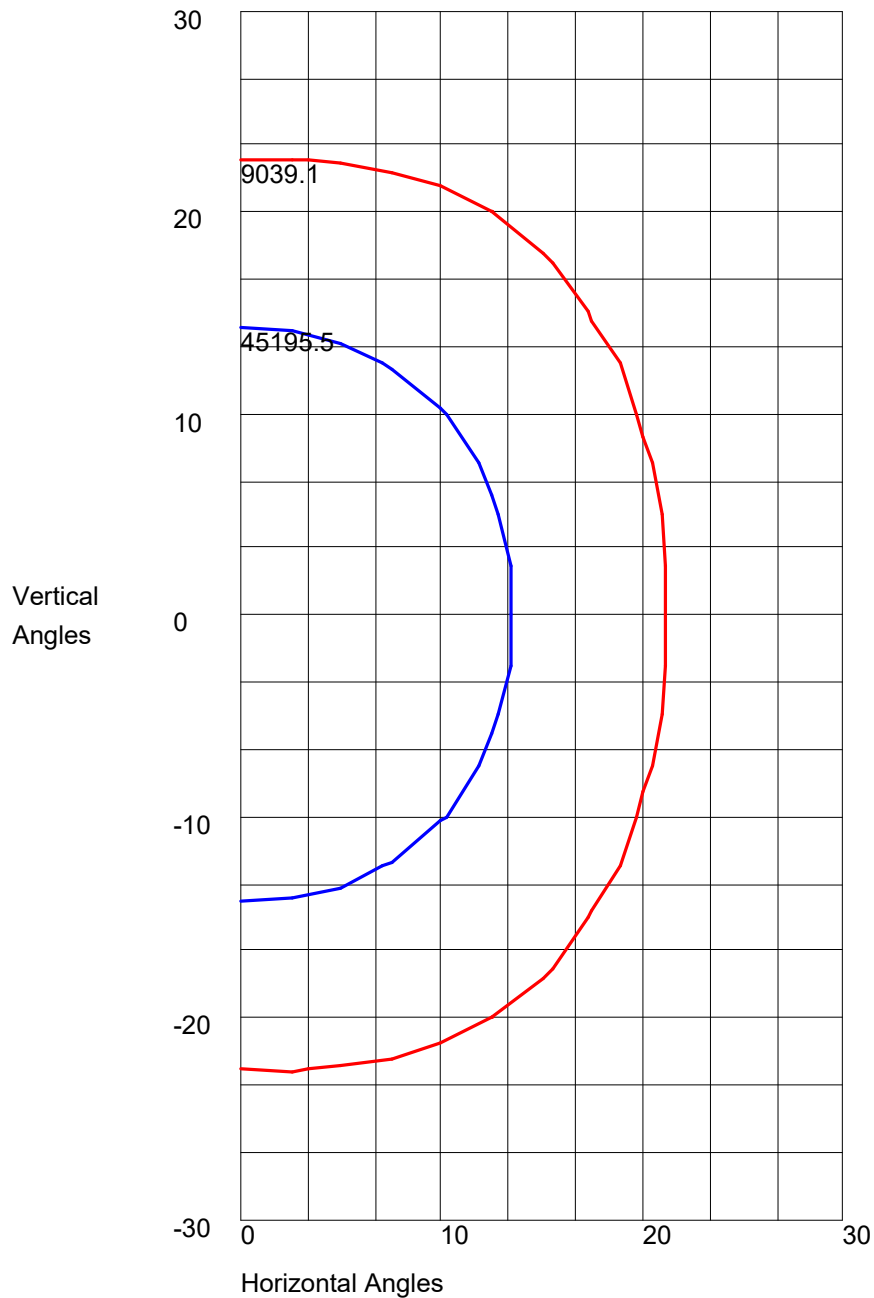
<b>-75</b>	0.01	0.00	3.16
<b>-85</b>	0.00	0.00	0.68
<b>-90</b>			
<b>Total</b>	0.72	0.02	12043.68

AXIAL CANDELA DISPLAY



Maximum Candela = 90391 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 90391 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 45195.5  
10% Maximum Candela = 9039.1