



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-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-30L-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	98632
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	13994
Beam Efficiency	N.A.
Field Lumens	20841
Field Efficiency	N.A.
Spill Lumens	5676
Luminaire Lumens	26517
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	7	85	36
75	60	75	445
65	318	65	991
55	600	55	1485
47.5	765	47.5	1499
42.5	908	42.5	1534
37.5	1167	37.5	1626
33	1682	33	2235
29	2740	29	3613
25.5	4392	25.5	6001
22.5	7098	22.5	9795
19.5	14017	19.5	16707
17	24864	17	26534
15	36953	15	38729
13	51878	13	53548
11	65825	11	68160
9	76999	9	80175
7	84632	7	88272
5	88982	5	92191
3	92272	3	93498
1	93690	1	93982
0	94087	0	94087
-1	93690	-1	95055
-3	92272	-3	96931
-5	88982	-5	98632
-7	84632	-7	95953
-9	76999	-9	89777
-11	65825	-11	79314
-13	51878	-13	64832
-15	36953	-15	47665
-17	24864	-17	33004
-19.5	14017	-19.5	19481
-22.5	7098	-22.5	9924
-25.5	4392	-25.5	5784
-29	2740	-29	3359
-33	1682	-33	1913
-37.5	1167	-37.5	1314
-42.5	908	-42.5	1199
-47.5	765	-47.5	1232
-55	600	-55	971
-65	318	-65	416
-75	60	-75	17
-85	7	-85	12
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 98632

Beam Edge = 49316 Cd (50% of Max.)

Field Edge = 9863.2 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	5	14	20	25	29	35	38	38
<b>75.0</b>	0	3	10	18	48	108	171	241	295	317
<b>65.0</b>	0	5	13	44	172	321	424	532	634	693
<b>55.0</b>	0	6	20	110	330	535	689	842	993	1114
<b>47.5</b>	0	6	26	166	451	715	913	1056	1186	1287
<b>42.5</b>	0	7	35	202	531	815	1015	1152	1287	1375
<b>37.5</b>	0	7	43	237	576	866	1052	1191	1293	1371
<b>33.0</b>	0	7	48	264	604	867	1032	1172	1264	1381
<b>29.0</b>	0	7	54	285	620	855	999	1133	1268	1458
<b>25.5</b>	0	7	58	302	624	842	965	1107	1301	1584
<b>22.5</b>	0	7	60	310	621	823	948	1090	1335	1717
<b>19.5</b>	0	7	62	318	626	801	935	1094	1364	1857
<b>17.0</b>	0	7	63	322	626	782	925	1105	1413	1984
<b>15.0</b>	0	7	64	325	625	782	920	1110	1464	2068
<b>13.0</b>	0	7	64	326	623	781	920	1124	1499	2242
<b>11.0</b>	0	7	64	325	619	780	922	1136	1541	2367
<b>9.0</b>	0	7	64	326	615	778	922	1150	1589	2444
<b>7.0</b>	0	7	64	326	610	775	919	1160	1635	2558
<b>5.0</b>	0	7	63	325	608	771	913	1164	1665	2664
<b>3.0</b>	0	7	62	324	607	772	915	1166	1680	2713
<b>1.0</b>	0	7	61	320	602	767	910	1169	1685	2741
<b>0.0</b>	0	7	60	318	600	765	908	1167	1682	2740
<b>-1.0</b>	0	7	60	317	599	764	908	1171	1689	2753
<b>-3.0</b>	0	7	59	314	598	761	908	1173	1691	2748
<b>-5.0</b>	0	7	58	308	594	754	902	1171	1680	2714
<b>-7.0</b>	0	7	56	302	589	753	904	1163	1652	2621
<b>-9.0</b>	0	7	55	295	586	752	904	1149	1606	2510
<b>-11.0</b>	0	7	53	288	583	749	900	1129	1552	2413
<b>-13.0</b>	0	7	52	280	577	745	893	1107	1498	2269
<b>-15.0</b>	0	7	50	271	571	740	885	1082	1452	2077
<b>-17.0</b>	0	7	47	261	562	733	876	1066	1391	1979
<b>-19.5</b>	0	6	44	247	550	726	863	1038	1311	1826
<b>-22.5</b>	0	6	41	228	529	714	846	999	1229	1630
<b>-25.5</b>	0	6	36	210	505	698	824	968	1144	1411
<b>-29.0</b>	0	6	31	184	472	669	801	933	1057	1230
<b>-33.0</b>	0	6	25	156	427	631	773	900	988	1083
<b>-37.5</b>	0	5	21	124	370	584	722	853	941	1011
<b>-42.5</b>	0	5	17	93	302	524	657	787	887	980
<b>-47.5</b>	0	4	13	63	228	434	574	726	814	910
<b>-55.0</b>	0	4	10	28	120	253	357	459	549	623
<b>-65.0</b>	0	3	6	11	22	58	104	162	215	251
<b>-75.0</b>	0	2	4	6	7	9	10	11	12	15
<b>-85.0</b>	0	1	2	6	12	14	15	15	16	15
<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	38	39	40	40	40	40	40	39	39	38
75.0	340	365	388	405	416	426	434	440	446	454
65.0	741	776	826	866	897	923	940	957	973	988
55.0	1180	1241	1304	1347	1379	1409	1430	1447	1462	1476
47.5	1346	1395	1426	1449	1465	1476	1482	1487	1492	1497
42.5	1452	1481	1508	1536	1538	1537	1535	1533	1532	1532
37.5	1441	1501	1565	1615	1638	1654	1660	1656	1655	1649
33.0	1516	1672	1830	1942	2013	2059	2124	2178	2218	2242
29.0	1731	2012	2346	2603	2771	3021	3200	3307	3416	3556
25.5	1980	2468	3077	3698	4204	4688	5068	5450	5699	5916
22.5	2264	3018	4042	5094	6087	6899	7662	8459	8876	9175
19.5	2616	3699	5246	6824	8286	9932 *	11394 *	13266 *	14420 *	15219 *
17.0	2938	4393	6373	8556	10497 *	13350 *	15911 *	19186 *	22010 *	24051 *
15.0	3266	4944	7317	9863	13295 *	16813 *	21343 *	25361 *	30602 *	34463 *
13.0	3548	5409	8211	12087 *	16168 *	21881 *	27898 *	34529 *	40964 *	47077 *
11.0	3778	5730	9098	13926 *	20412 *	27664 *	36181 *	44994 *	53828 *	60683 *
9.0	4010	6250	10376 *	16620 *	23809 *	34470 *	45042 *	55609 *	65228 *	73144 *
7.0	4152	6580	11368 *	19003 *	28540 *	40358 *	53261 *	64565 *	74960 *	80864 *
5.0	4275	6853	12059 *	20769 *	32005 *	45279 *	59122 *	71191 *	79404 *	85793 *
3.0	4303	7017	13170 *	22958 *	34633 *	48530 *	62016 *	74216 *	82812 *	87240 *
1.0	4364	7112	13877 *	24513 *	36707 *	51241 *	65085 *	76296 *	84093 *	88779 *
0.0	4392	7098	14017 *	24864 *	36953 *	51878 *	65825 *	76999 *	84632 *	88982 *
-1.0	4383	7074	13778 *	24464 *	36730 *	51980 *	66126 *	77479 *	85320 *	89998 *
-3.0	4355	6995	13225 *	23591 *	36438 *	51589 *	65885 *	78060 *	86465 *	91087 *
-5.0	4344	6931	12403 *	22064 *	34794 *	49144 *	63793 *	76605 *	85074 *	91254 *
-7.0	4237	6730	11914 *	20671 *	31441 *	44575 *	59108 *	71412 *	81798 *	88301 *
-9.0	4094	6441	10984 *	18042 *	26098 *	38644 *	51232 *	63490 *	73991 *	82464 *
-11.0	3837	5922	9520	14672 *	21901 *	30939 *	41867 *	52965 *	63535 *	71370 *
-13.0	3593	5491	8466	12624 *	17254 *	24433 *	32479 *	41785 *	49727 *	56683 *
-15.0	3325	4984	7352	10131 *	14001 *	18270 *	24437 *	30048 *	36763 *	41417 *
-17.0	3012	4456	6359	8649	10657 *	14036 *	17174 *	21680 *	25477 *	27959 *
-19.5	2650	3739	5256	6805	8302	9998 *	11549 *	13901 *	15550 *	16649 *
-22.5	2169	2917	3930	4888	5845	6686	7418	8242	8811	9248
-25.5	1792	2235	2822	3375	3866	4325	4671	5089	5332	5520
-29.0	1474	1715	2009	2274	2460	2705	2893	3037	3178	3304
-33.0	1207	1334	1462	1587	1670	1728	1804	1862	1901	1924
-37.5	1068	1118	1186	1238	1266	1300	1321	1332	1336	1333
-42.5	1037	1077	1113	1139	1159	1176	1192	1198	1199	1198
-47.5	985	1028	1084	1121	1141	1163	1185	1191	1202	1214
-55.0	686	734	783	827	859	888	912	932	950	966
-65.0	276	298	329	350	364	377	389	400	408	415
-75.0	15	16	16	17	17	17	17	17	17	17
-85.0	15	15	16	16	16	16	15	15	14	14
-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	37	36	36	36	37	38	39	39	40	40
75.0	451	447	445	447	451	454	446	440	434	426
65.0	994	992	991	992	994	988	973	957	940	923

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**CANDELA TABULATION - (Cont.)**

55.0	1485	1485	1485	1485	1485	1476	1462	1447	1430	1409
47.5	1500	1499	1499	1499	1500	1497	1492	1487	1482	1476
42.5	1534	1534	1534	1534	1534	1532	1532	1533	1535	1537
37.5	1638	1631	1626	1631	1638	1649	1655	1656	1660	1654
33.0	2244	2242	2235	2242	2244	2242	2218	2178	2124	2059
29.0	3621	3631	3613	3631	3621	3556	3416	3307	3200	3021
25.5	6042	6045	6001	6045	6042	5916	5699	5450	5068	4688
22.5	9466	9712	9795	9712	9466	9175	8876	8459	7662	6899
19.5	16324 *	16784 *	16707 *	16784 *	16324 *	15219 *	14420 *	13266 *	11394 *	9932 *
17.0	25695 *	26464 *	26534 *	26464 *	25695 *	24051 *	22010 *	19186 *	15911 *	13350 *
15.0	36785 *	37919 *	38729 *	37919 *	36785 *	34463 *	30602 *	25361 *	21343 *	16813 *
13.0	50944 *	52207 *	53548 *	52207 *	50944 *	47077 *	40964 *	34529 *	27898 *	21881 *
11.0	65314 *	67137 *	68160 *	67137 *	65314 *	60683 *	53828 *	44994 *	36181 *	27664 *
9.0	77669 *	79755 *	80175 *	79755 *	77669 *	73144 *	65228 *	55609 *	45042 *	34470 *
7.0	85963 *	88108 *	88272 *	88108 *	85963 *	80864 *	74960 *	64565 *	53261 *	40358 *
5.0	89206 *	92017 *	92191 *	92017 *	89206 *	85793 *	79404 *	71191 *	59122 *	45279 *
3.0	90906 *	93186 *	93498 *	93186 *	90906 *	87240 *	82812 *	74216 *	62016 *	48530 *
1.0	91914 *	93624 *	93982 *	93624 *	91914 *	88779 *	84093 *	76296 *	65085 *	51241 *
0.0	92272 *	93690 *	94087 *	93690 *	92272 *	88982 *	84632 *	76999 *	65825 *	51878 *
-1.0	93074 *	94589 *	95055 *	94589 *	93074 *	89998 *	85320 *	77479 *	66126 *	51980 *
-3.0	94549 *	96528 *	96931 *	96528 *	94549 *	91087 *	86465 *	78060 *	65885 *	51589 *
-5.0	95055 *	98180 *	98632 *	98180 *	95055 *	91254 *	85074 *	76605 *	63793 *	49144 *
-7.0	93242 *	95578 *	95953 *	95578 *	93242 *	88301 *	81798 *	71412 *	59108 *	44575 *
-9.0	87159 *	89440 *	89777 *	89440 *	87159 *	82464 *	73991 *	63490 *	51232 *	38644 *
-11.0	76376 *	78969 *	79314 *	78969 *	76376 *	71370 *	63535 *	52965 *	41867 *	30939 *
-13.0	61707 *	64484 *	64832 *	64484 *	61707 *	56683 *	49727 *	41785 *	32479 *	24433 *
-15.0	44944 *	47602 *	47665 *	47602 *	44944 *	41417 *	36763 *	30048 *	24437 *	18270 *
-17.0	30434 *	32092 *	33004 *	32092 *	30434 *	27959 *	25477 *	21680 *	17174 *	14036 *
-19.5	18016 *	18789 *	19481 *	18789 *	18016 *	16649 *	15550 *	13901 *	11549 *	9998 *
-22.5	9529	9906 *	9924 *	9906 *	9529	9248	8811	8242	7418	6686
-25.5	5620	5679	5784	5679	5620	5520	5332	5089	4671	4325
-29.0	3361	3349	3359	3349	3361	3304	3178	3037	2893	2705
-33.0	1925	1910	1913	1910	1925	1924	1901	1862	1804	1728
-37.5	1325	1314	1314	1314	1325	1333	1336	1332	1321	1300
-42.5	1197	1197	1199	1197	1197	1198	1199	1198	1192	1176
-47.5	1229	1230	1232	1230	1229	1214	1202	1191	1185	1163
-55.0	974	971	971	971	974	966	950	932	912	888
-65.0	419	417	416	417	419	415	408	400	389	377
-75.0	17	17	17	17	17	17	17	17	17	17
-85.0	12	12	12	12	12	14	14	15	15	16
-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	40	40	40	39	38	38	38	35	29	25
75.0	416	405	388	365	340	317	295	241	171	108
65.0	897	866	826	776	741	693	634	532	424	321
55.0	1379	1347	1304	1241	1180	1114	993	842	689	535
47.5	1465	1449	1426	1395	1346	1287	1186	1056	913	715
42.5	1538	1536	1508	1481	1452	1375	1287	1152	1015	815
37.5	1638	1615	1565	1501	1441	1371	1293	1191	1052	866
33.0	2013	1942	1830	1672	1516	1381	1264	1172	1032	867
29.0	2771	2603	2346	2012	1731	1458	1268	1133	999	855
25.5	4204	3698	3077	2468	1980	1584	1301	1107	965	842

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**CANDELA TABULATION - (Cont.)**

22.5	6087	5094	4042	3018	2264	1717	1335	1090	948	823
19.5	8286	6824	5246	3699	2616	1857	1364	1094	935	801
17.0	10497 *	8556	6373	4393	2938	1984	1413	1105	925	782
15.0	13295 *	9863	7317	4944	3266	2068	1464	1110	920	782
13.0	16168 *	12087 *	8211	5409	3548	2242	1499	1124	920	781
11.0	20412 *	13926 *	9098	5730	3778	2367	1541	1136	922	780
9.0	23809 *	16620 *	10376 *	6250	4010	2444	1589	1150	922	778
7.0	28540 *	19003 *	11368 *	6580	4152	2558	1635	1160	919	775
5.0	32005 *	20769 *	12059 *	6853	4275	2664	1665	1164	913	771
3.0	34633 *	22958 *	13170 *	7017	4303	2713	1680	1166	915	772
1.0	36707 *	24513 *	13877 *	7112	4364	2741	1685	1169	910	767
0.0	36953 *	24864 *	14017 *	7098	4392	2740	1682	1167	908	765
-1.0	36730 *	24464 *	13778 *	7074	4383	2753	1689	1171	908	764
-3.0	36438 *	23591 *	13225 *	6995	4355	2748	1691	1173	908	761
-5.0	34794 *	22064 *	12403 *	6931	4344	2714	1680	1171	902	754
-7.0	31441 *	20671 *	11914 *	6730	4237	2621	1652	1163	904	753
-9.0	26098 *	18042 *	10984 *	6441	4094	2510	1606	1149	904	752
-11.0	21901 *	14672 *	9520	5922	3837	2413	1552	1129	900	749
-13.0	17254 *	12624 *	8466	5491	3593	2269	1498	1107	893	745
-15.0	14001 *	10131 *	7352	4984	3325	2077	1452	1082	885	740
-17.0	10657 *	8649	6359	4456	3012	1979	1391	1066	876	733
-19.5	8302	6805	5256	3739	2650	1826	1311	1038	863	726
-22.5	5845	4888	3930	2917	2169	1630	1229	999	846	714
-25.5	3866	3375	2822	2235	1792	1411	1144	968	824	698
-29.0	2460	2274	2009	1715	1474	1230	1057	933	801	669
-33.0	1670	1587	1462	1334	1207	1083	988	900	773	631
-37.5	1266	1238	1186	1118	1068	1011	941	853	722	584
-42.5	1159	1139	1113	1077	1037	980	887	787	657	524
-47.5	1141	1121	1084	1028	985	910	814	726	574	434
-55.0	859	827	783	734	686	623	549	459	357	253
-65.0	364	350	329	298	276	251	215	162	104	58
-75.0	17	17	16	16	15	15	12	11	10	9
-85.0	16	16	16	15	15	15	16	15	15	14
-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	20	14	5	1	0
75.0	48	18	10	3	0
65.0	172	44	13	5	0
55.0	330	110	20	6	0
47.5	451	166	26	6	0
42.5	531	202	35	7	0
37.5	576	237	43	7	0
33.0	604	264	48	7	0
29.0	620	285	54	7	0
25.5	624	302	58	7	0
22.5	621	310	60	7	0
19.5	626	318	62	7	0
17.0	626	322	63	7	0
15.0	625	325	64	7	0
13.0	623	326	64	7	0
11.0	619	325	64	7	0
9.0	615	326	64	7	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

7.0	610	326	64	7	0
5.0	608	325	63	7	0
3.0	607	324	62	7	0
1.0	602	320	61	7	0
0.0	600	318	60	7	0
-1.0	599	317	60	7	0
-3.0	598	314	59	7	0
-5.0	594	308	58	7	0
-7.0	589	302	56	7	0
-9.0	586	295	55	7	0
-11.0	583	288	53	7	0
-13.0	577	280	52	7	0
-15.0	571	271	50	7	0
-17.0	562	261	47	7	0
-19.5	550	247	44	6	0
-22.5	529	228	41	6	0
-25.5	505	210	36	6	0
-29.0	472	184	31	6	0
-33.0	427	156	25	6	0
-37.5	370	124	21	5	0
-42.5	302	93	17	5	0
-47.5	228	63	13	4	0
-55.0	120	28	10	4	0
-65.0	22	11	6	3	0
-75.0	7	6	4	2	0
-85.0	12	6	2	1	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 13258.56

Total Field Lumens (one side of beam only) = 10420.62

\* 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	0.06	0.06	0.06	0.06	0.06	0.06	0.07
75	0.73	1.48	1.49	1.48	1.45	1.43	1.40	1.36	1.32	1.58
65	2.19	4.39	4.39	4.33	4.25	4.16	4.06	3.93	3.78	4.49
55	3.77	7.54	7.51	7.42	7.30	7.16	7.00	6.81	6.57	7.85
47.5	3.41	6.81	6.79	6.73	6.66	6.58	6.48	6.35	6.19	7.49
42.5	2.31	4.62	4.61	4.58	4.56	4.53	4.49	4.45	4.38	5.35
37.5	2.41	4.82	4.83	4.82	4.81	4.79	4.76	4.70	4.63	5.63
33	2.65	5.31	5.31	5.29	5.23	5.14	5.03	4.90	4.75	5.66
29	3.57	7.15	7.09	6.93	6.71	6.48	6.20	5.83	5.46	6.31
25.5	5.14	10.30	10.18	9.85	9.43	8.94	8.33	7.59	6.80	7.42
22.5	7.21	14.28	13.95	13.48	12.89	11.99	10.87	9.70	8.38	8.63
19.5	12.11 *	23.88 *	22.87 *	21.67 *	20.37 *	18.35 *	16.04	13.83	11.55	11.50
17	16.47 *	32.45 *	30.88 *	28.67 *	25.97 *	22.41 *	18.84 *	15.54 *	12.50	12.20
15	19.75 *	38.62 *	36.77 *	33.66 *	29.31 *	24.54 *	20.09 *	15.95 *	12.36 *	11.61
13	27.78 *	54.14 *	51.43 *	46.38 *	39.65 *	32.74 *	26.20 *	20.14 *	15.05 *	13.55
11	36.71 *	71.72 *	68.07 *	61.36 *	52.58 *	43.08 *	33.85 *	25.45 *	18.33 *	15.66 *
9	44.96 *	88.24 *	84.11 *	76.61 *	66.26 *	54.54 *	42.71 *	31.43 *	21.89 *	18.09 *
7	51.22 *	100.91 *	96.52 *	89.12 *	78.53 *	65.54 *	51.58 *	37.59 *	25.76 *	20.74 *
5	54.92 *	108.16 *	103.87 *	97.25 *	87.51 *	74.44 *	59.00 *	43.20 *	29.37 *	22.85 *
3	56.49 *	111.21 *	107.31 *	101.56 *	92.79 *	79.96 *	64.04 *	47.42 *	32.32 *	24.93 *
1	57.00 *	112.52 *	109.04 *	103.88 *	95.74 *	83.28 *	67.60 *	50.57 *	34.79 *	26.94 *
0	28.59 *	56.55 *	54.99 *	52.48 *	48.57 *	42.63 *	34.86 *	26.12 *	18.01 *	13.97 *
-1	28.74 *	56.87 *	55.35 *	52.85 *	48.93 *	42.96 *	35.13 *	26.24 *	18.01 *	13.94 *
	58.35 *	115.29 *	112.04 *	106.90 *	98.73 *	86.26 *	70.19 *	52.24 *	35.49 *	27.14 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	59.44 *	116.99 *	113.02 *	107.20 *	98.40 *	85.30 *	68.65 *	50.82 *	34.22 *	25.78 *
<b>-5</b>	59.15 *	116.30 *	111.78 *	104.94 *	94.98 *	81.27 *	64.54 *	47.28 *	31.91 *	24.25 *
<b>-7</b>	56.47 *	111.24 *	106.71 *	98.92 *	87.68 *	73.57 *	57.67 *	41.60 *	28.18 *	22.28 *
<b>-9</b>	51.40 *	101.05 *	96.44 *	88.26 *	76.61 *	62.86 *	48.47 *	34.75 *	23.63 *	19.24 *
<b>-11</b>	43.80 *	85.70 *	80.87 *	73.10 *	62.74 *	50.72 *	38.65 *	27.94 *	19.46 *	16.37 *
<b>-13</b>	34.20 *	66.59 *	62.22 *	55.92 *	47.76 *	38.62 *	29.68 *	21.86 *	15.81 *	13.95
<b>-15</b>	24.42 *	47.21 *	43.98 *	39.87 *	34.38 *	28.00 *	22.02 *	16.84 *	12.72 *	11.75
<b>-17</b>	19.68 *	37.80 *	35.35 *	32.43 *	28.88 *	24.11 *	19.65 *	15.88 *	12.60	12.23
<b>-19.5</b>	13.27 *	25.68 *	24.36 *	22.84 *	21.04 *	18.50 *	15.93	13.67	11.35	11.32
<b>-22.5</b>	7.15	14.03	13.64	13.14	12.43	11.44	10.32	9.19	7.89	8.14
<b>-25.5</b>	4.84	9.59	9.47	9.19	8.78	8.24	7.61	6.91	6.14	6.63
<b>-29</b>	3.21	6.42	6.39	6.24	6.02	5.76	5.44	5.06	4.68	5.30
<b>-33</b>	2.21	4.43	4.45	4.43	4.36	4.26	4.12	3.97	3.80	4.45
<b>-37.5</b>	1.91	3.83	3.84	3.84	3.82	3.78	3.72	3.62	3.52	4.23
<b>-42.5</b>	1.85	3.69	3.68	3.65	3.61	3.57	3.51	3.43	3.34	4.03
<b>-47.5</b>	2.52	5.03	4.99	4.92	4.84	4.75	4.63	4.49	4.33	5.17
<b>-55</b>	2.11	4.23	4.21	4.15	4.06	3.95	3.82	3.68	3.51	4.14
<b>-65</b>	0.66	1.32	1.32	1.30	1.27	1.23	1.19	1.15	1.10	1.29
<b>-75</b>	0.04	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.12
<b>-85</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
<b>-90</b>										
<b>Total</b>	914.84	1798.57	1726.23	1611.82	1450.08	1242.00	1008.57	773.66	566.07	494.33

**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>	0.08	0.08	0.09	0.10	0.10	0.09	0.07	0.08	0.06	0.02
<b>85</b>	1.77	1.63	1.74	1.80	1.70	1.39	0.90	0.72	0.38	0.12
<b>75</b>	5.02	4.64	4.95	5.06	4.76	3.99	2.76	2.32	1.07	0.22
<b>65</b>	8.84	8.22	8.83	8.96	8.40	7.25	5.30	4.85	2.49	0.49
<b>55</b>	8.58	8.08	8.75	8.97	8.56	7.65	5.76	5.44	3.01	0.63

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	6.20	5.92	6.47	6.70	6.55	6.03	4.65	4.49	2.57	0.56
<b>42.5</b>										
	6.46	6.13	6.68	6.95	6.89	6.43	5.04	4.98	2.94	0.67
<b>37.5</b>										
	6.30	5.76	6.09	6.24	6.19	5.84	4.62	4.68	2.88	0.69
<b>33</b>										
	6.71	5.79	5.77	5.61	5.41	5.06	4.04	4.21	2.70	0.68
<b>29</b>										
	7.39	5.98	5.60	5.13	4.71	4.29	3.45	3.68	2.44	0.64
<b>25.5</b>										
	8.06	6.09	5.36	4.65	4.06	3.60	2.89	3.12	2.12	0.57
<b>22.5</b>										
	10.24	7.26	6.01	4.91	4.10	3.56	2.83	3.08	2.14	0.59
<b>19.5</b>										
	10.51	7.12	5.56	4.32	3.48	2.96	2.32	2.53	1.80	0.50
<b>17</b>										
	9.82	6.49	4.86	3.62	2.85	2.37	1.84	2.01	1.44	0.40
<b>15</b>										
	11.04	7.17	5.27	3.80	2.91	2.38	1.83	2.01	1.44	0.41
<b>13</b>										
	12.13	7.71	5.66	3.99	2.97	2.39	1.83	2.00	1.44	0.41
<b>11</b>										
	13.42	8.25	5.97	4.15	3.03	2.41	1.83	1.99	1.43	0.41
<b>9</b>										
	14.75	8.76	6.24	4.29	3.10	2.42	1.83	1.98	1.43	0.41
<b>7</b>										
	15.72	9.12	6.47	4.45	3.15	2.42	1.82	1.97	1.42	0.40
<b>5</b>										
	16.68	9.37	6.61	4.55	3.18	2.42	1.81	1.97	1.42	0.40
<b>3</b>										
	17.56 *	9.51	6.69	4.60	3.19	2.43	1.81	1.96	1.41	0.40
<b>1</b>										
	8.98 *	4.79	3.37	2.31	1.60	1.21	0.90	0.98	0.70	0.20
<b>0</b>										
	8.95 *	4.79	3.38	2.31	1.60	1.21	0.90	0.97	0.70	0.20
<b>-1</b>										
	17.52 *	9.52	6.75	4.64	3.20	2.43	1.80	1.94	1.39	0.39
<b>-3</b>										
	16.87 *	9.44	6.71	4.61	3.20	2.42	1.79	1.93	1.38	0.38
<b>-5</b>										
	16.20	9.28	6.59	4.53	3.17	2.41	1.78	1.92	1.36	0.38
<b>-7</b>										
	15.38	8.97	6.38	4.38	3.12	2.40	1.78	1.91	1.35	0.37
<b>-9</b>										
	14.02	8.47	6.09	4.22	3.04	2.38	1.78	1.91	1.33	0.36
<b>-11</b>										
	12.54	7.86	5.74	4.04	2.96	2.35	1.77	1.90	1.31	0.35
<b>-13</b>										
	11.21	7.26	5.34	3.81	2.88	2.31	1.76	1.88	1.29	0.34
<b>-15</b>										
	9.87	6.58	4.92	3.60	2.79	2.28	1.74	1.86	1.27	0.33
<b>-17</b>										
	10.56	7.23	5.61	4.25	3.36	2.80	2.15	2.30	1.54	0.39
<b>-19.5</b>										
	10.14	7.18	5.88	4.70	3.84	3.28	2.54	2.70	1.77	0.44

IES FLOOD REPORT  
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LUMENS TABULATION - (Cont.)

<b>-22.5</b>	7.62	5.71	4.98	4.24	3.64	3.18	2.49	2.62	1.68	0.40
<b>-25.5</b>	6.55	5.27	4.90	4.42	4.02	3.60	2.82	2.93	1.82	0.42
<b>-29</b>	5.56	4.78	4.73	4.55	4.34	3.97	3.09	3.14	1.88	0.41
<b>-33</b>	4.89	4.44	4.66	4.73	4.64	4.26	3.28	3.23	1.84	0.38
<b>-37.5</b>	4.79	4.49	4.85	4.98	4.85	4.40	3.35	3.18	1.69	0.33
<b>-42.5</b>	4.59	4.31	4.63	4.69	4.50	4.00	2.95	2.66	1.30	0.24
<b>-47.5</b>	5.80	5.37	5.69	5.67	5.35	4.63	3.27	2.77	1.25	0.22
<b>-55</b>	4.57	4.16	4.35	4.28	3.88	3.16	2.08	1.62	0.69	0.14
<b>-65</b>	1.41	1.26	1.32	1.29	1.12	0.84	0.49	0.34	0.17	0.07
<b>-75</b>	0.13	0.13	0.14	0.15	0.15	0.15	0.13	0.15	0.12	0.05
<b>-85</b>	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.03	0.01
<b>-90</b>										
<b>Total</b>	395.50	270.41	226.73	189.28	160.54	137.09	103.91	104.99	65.93	16.40

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00		1.36
<b>85</b>				
	0.03	0.00		25.90
<b>75</b>				
	0.04	0.00		74.80
<b>65</b>				
	0.06	0.00		132.64
<b>55</b>				
	0.06	0.00		128.99
<b>47.5</b>				
	0.05	0.00		94.05
<b>42.5</b>				
	0.06	0.00		99.43
<b>37.5</b>				
	0.06	0.00		98.62
<b>33</b>				
	0.06	0.00		107.75
<b>29</b>				
	0.06	0.00		127.35
<b>25.5</b>				
	0.05	0.00		151.93
<b>22.5</b>				
	0.05	0.00		216.93
<b>19.5</b>				
	0.05	0.00		257.06
<b>17</b>				
	0.04	0.00		278.37

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

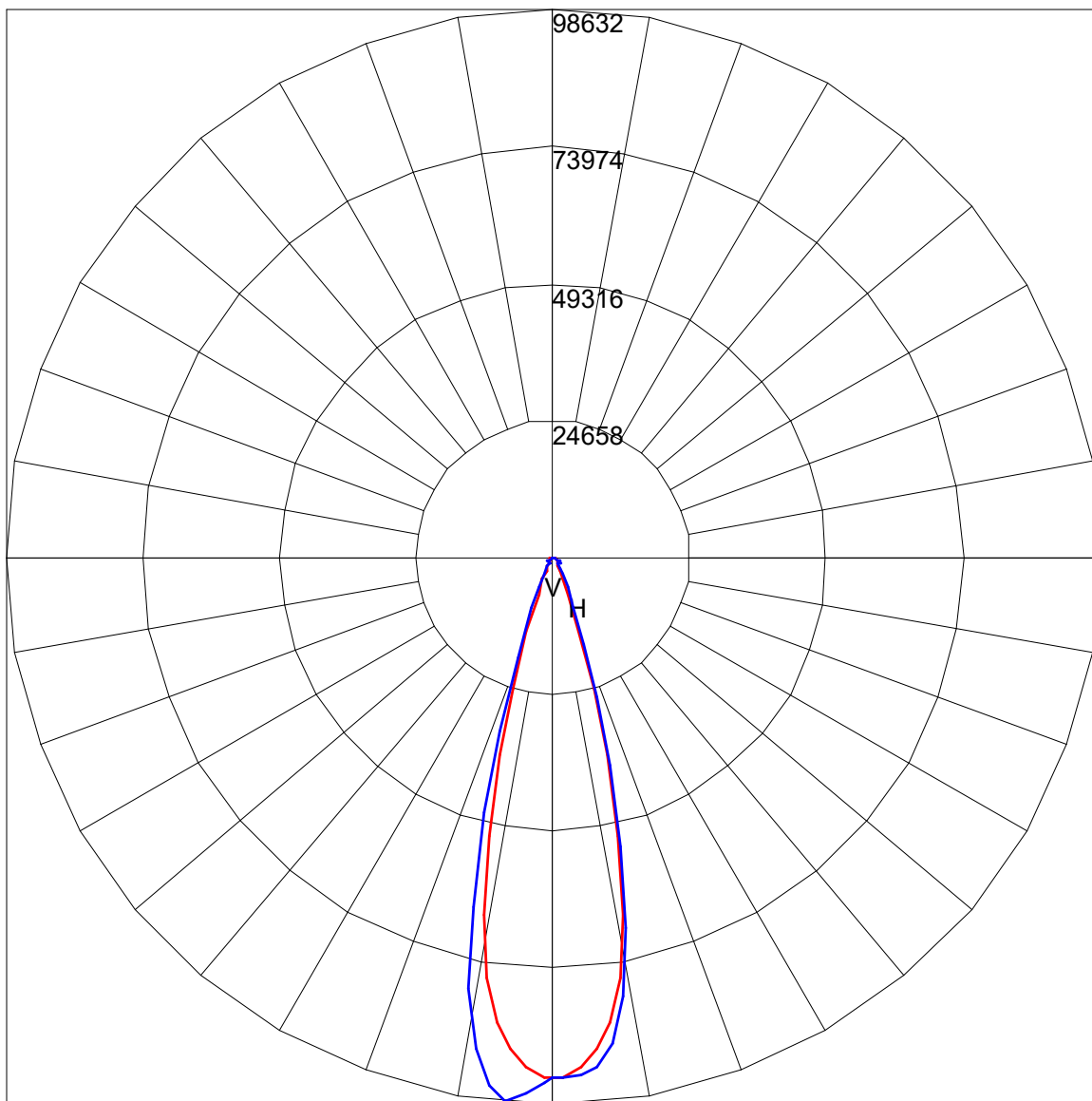
<b>15</b>			
	0.04	0.00	365.36
<b>13</b>			
	0.04	0.00	467.39
<b>11</b>			
	0.04	0.00	571.77
<b>9</b>			
	0.04	0.00	662.76
<b>7</b>			
	0.04	0.00	727.56
<b>5</b>			
	0.04	0.00	766.48
<b>3</b>			
	0.04	0.00	790.98
<b>1</b>			
	0.02	0.00	401.82
<b>0</b>			
	0.02	0.00	404.05
<b>-1</b>			
	0.04	0.00	812.23
<b>-3</b>			
	0.03	0.00	808.60
<b>-5</b>			
	0.03	0.00	784.05
<b>-7</b>			
	0.03	0.00	730.40
<b>-9</b>			
	0.03	0.00	646.35
<b>-11</b>			
	0.03	0.00	540.21
<b>-13</b>			
	0.03	0.00	424.72
<b>-15</b>			
	0.03	0.00	316.47
<b>-17</b>			
	0.03	0.00	278.83
<b>-19.5</b>			
	0.04	0.00	220.47
<b>-22.5</b>			
	0.04	0.00	143.96
<b>-25.5</b>			
	0.04	0.00	114.19
<b>-29</b>			
	0.04	0.00	91.04
<b>-33</b>			
	0.03	0.00	76.88
<b>-37.5</b>			
	0.03	0.00	73.05
<b>-42.5</b>			
	0.03	0.00	68.25
<b>-47.5</b>			
	0.03	0.00	85.73
<b>-55</b>			
	0.03	0.00	66.82
<b>-65</b>			
	0.02	0.00	20.15

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

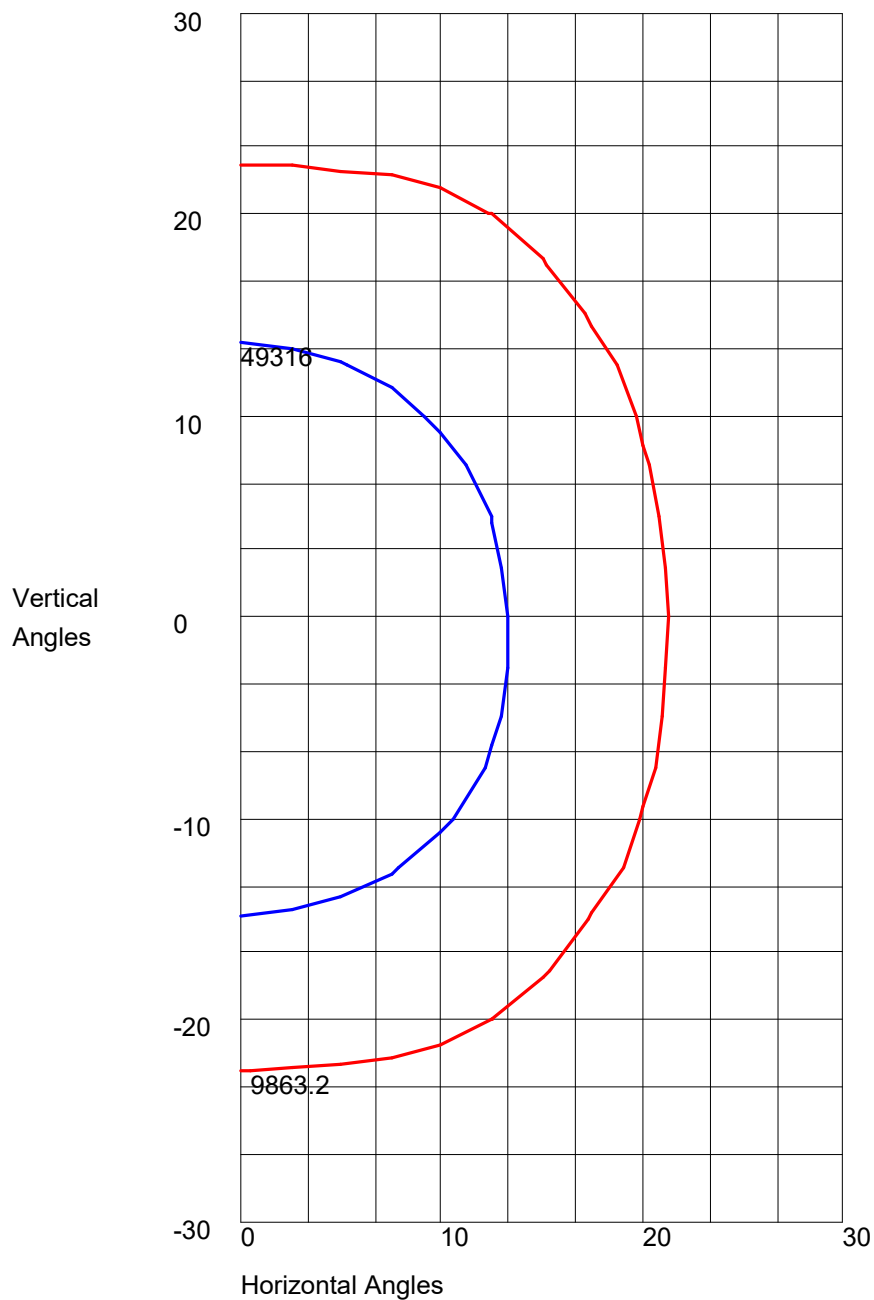
<b>-75</b>	0.01	0.00	2.23
<b>-85</b>	0.00	0.00	0.57
<b>-90</b>			
<b>Total</b>	1.59	0.03	13258.56

AXIAL CANDELA DISPLAY



Maximum Candela = 98632 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 98632 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 49316  
10% Maximum Candela = 9863.2