



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-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-30L-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	101171
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	14354
Beam Efficiency	N.A.
Field Lumens	21378
Field Efficiency	N.A.
Spill Lumens	5822
Luminaire Lumens	27200
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	37
75	62	75	456
65	326	65	1017
55	615	55	1523
47.5	785	47.5	1538
42.5	931	42.5	1574
37.5	1197	37.5	1668
33	1725	33	2293
29	2811	29	3705
25.5	4505	25.5	6155
22.5	7281	22.5	10047
19.5	14378	19.5	17137
17	25504	17	27217
15	37904	15	39726
13	53214	13	54927
11	67520	11	69915
9	78982	9	82239
7	86811	7	90544
5	91273	5	94565
3	94648	3	95906
1	96102	1	96402
0	96509	0	96509
-1	96102	-1	97502
-3	94648	-3	99427
-5	91273	-5	101171
-7	86811	-7	98423
-9	78982	-9	92089
-11	67520	-11	81356
-13	53214	-13	66502
-15	37904	-15	48892
-17	25504	-17	33854
-19.5	14378	-19.5	19982
-22.5	7281	-22.5	10180
-25.5	4505	-25.5	5933
-29	2811	-29	3446
-33	1725	-33	1962
-37.5	1197	-37.5	1348
-42.5	931	-42.5	1230
-47.5	785	-47.5	1264
-55	615	-55	996
-65	326	-65	427
-75	62	-75	17
-85	7	-85	12
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 101171

Beam Edge = 50585.5 Cd (50% of Max.)

Field Edge = 10117.1 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	14	21	26	30	36	39	39
75.0	0	3	10	18	49	111	175	247	303	325
65.0	0	5	13	45	177	330	435	546	650	711
55.0	0	6	20	113	338	548	706	864	1019	1142
47.5	0	6	27	170	463	733	937	1083	1216	1320
42.5	0	7	36	208	545	836	1041	1182	1320	1411
37.5	0	7	44	242	591	889	1080	1222	1326	1407
33.0	0	7	49	271	620	889	1059	1203	1297	1417
29.0	0	7	55	293	636	877	1024	1162	1300	1496
25.5	0	7	59	310	640	864	990	1136	1334	1624
22.5	0	7	62	318	637	844	972	1119	1369	1762
19.5	0	7	64	326	642	822	958	1122	1399	1905
17.0	0	7	65	331	642	802	949	1134	1449	2034
15.0	0	7	66	333	641	802	943	1139	1501	2121
13.0	0	7	66	334	638	801	943	1153	1538	2300
11.0	0	7	66	334	635	800	946	1166	1581	2428
9.0	0	7	66	335	631	798	945	1180	1630	2507
7.0	0	7	65	335	626	794	942	1190	1678	2624
5.0	0	7	65	334	624	791	937	1194	1708	2733
3.0	0	7	64	333	623	792	938	1196	1723	2782
1.0	0	7	63	328	618	787	933	1199	1728	2812
0.0	0	7	62	326	615	785	931	1197	1725	2811
-1.0	0	7	62	325	614	784	931	1201	1732	2825
-3.0	0	7	61	322	613	781	931	1203	1735	2819
-5.0	0	7	60	316	609	774	925	1200	1723	2784
-7.0	0	7	58	310	604	772	927	1193	1694	2689
-9.0	0	7	57	303	601	771	927	1179	1647	2574
-11.0	0	7	55	295	598	769	923	1158	1592	2475
-13.0	0	7	53	287	592	765	916	1135	1537	2327
-15.0	0	7	51	278	585	759	908	1109	1490	2130
-17.0	0	7	48	268	577	752	898	1093	1427	2030
-19.5	0	6	45	254	564	745	886	1065	1345	1873
-22.5	0	6	42	234	543	732	867	1025	1260	1672
-25.5	0	6	37	215	518	716	846	993	1173	1447
-29.0	0	6	32	189	484	686	822	957	1084	1262
-33.0	0	6	26	159	438	646	793	923	1014	1111
-37.5	0	5	22	127	380	599	740	875	966	1036
-42.5	0	5	18	95	310	537	674	807	909	1006
-47.5	0	4	13	64	233	446	589	745	835	934
-55.0	0	4	10	29	123	259	366	471	563	640
-65.0	0	3	6	11	23	59	107	166	221	257
-75.0	0	2	4	6	7	9	10	11	12	15
-85.0	0	1	2	6	12	14	15	15	16	15
-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	39	40	41	41	41	41	41	40	40	39
75.0	349	374	398	415	427	436	445	452	458	466
65.0	760	795	847	888	919	946	964	982	998	1013
55.0	1210	1273	1338	1382	1415	1446	1467	1484	1500	1514
47.5	1380	1431	1463	1486	1503	1514	1520	1525	1531	1536
42.5	1490	1519	1547	1576	1577	1576	1575	1573	1572	1571
37.5	1479	1540	1605	1657	1680	1697	1702	1699	1698	1691
33.0	1555	1715	1877	1992	2065	2112	2178	2233	2275	2299
29.0	1776	2063	2407	2670	2843	3099	3282	3392	3505	3648
25.5	2031	2531	3157	3793	4312	4809	5198	5590	5846	6069
22.5	2322	3096	4146	5225	6243	7076	7859	8676	9105	9411
19.5	2683	3794	5381	7000	8499	10188 *	11687 *	13607 *	14791 *	15611 *
17.0	3014	4506	6537	8776	10767 *	13693 *	16320 *	19680 *	22577 *	24670 *
15.0	3350	5071	7505	10117	13637 *	17246 *	21892 *	26013 *	31389 *	35350 *
13.0	3639	5548	8422	12398 *	16584 *	22445 *	28617 *	35418 *	42018 *	48288 *
11.0	3875	5878	9332	14285 *	20938 *	28376 *	37112 *	46152 *	55214 *	62245 *
9.0	4113	6411	10643 *	17048 *	24421 *	35357 *	46201 *	57040 *	66908 *	75028 *
7.0	4259	6749	11661 *	19493 *	29275 *	41397 *	54632 *	66227 *	76890 *	82946 *
5.0	4386	7030	12370 *	21304 *	32829 *	46445 *	60644 *	73023 *	81449 *	88002 *
3.0	4413	7198	13509 *	23550 *	35525 *	49780 *	63613 *	76127 *	84944 *	89487 *
1.0	4476	7295	14235 *	25144 *	37652 *	52561 *	66761 *	78260 *	86257 *	91065 *
0.0	4505	7281	14378 *	25504 *	37904 *	53214 *	67520 *	78982 *	86811 *	91273 *
-1.0	4496	7256	14133 *	25093 *	37676 *	53318 *	67829 *	79474 *	87516 *	92315 *
-3.0	4467	7175	13566 *	24198 *	37376 *	52917 *	67582 *	80069 *	88691 *	93433 *
-5.0	4456	7110	12723 *	22632 *	35690 *	50410 *	65435 *	78577 *	87265 *	93604 *
-7.0	4346	6903	12221 *	21204 *	32250 *	45723 *	60630 *	73250 *	83904 *	90575 *
-9.0	4200	6607	11267 *	18507 *	26770 *	39639 *	52551 *	65125 *	75896 *	84587 *
-11.0	3936	6075	9765	15050 *	22465 *	31735 *	42945 *	54329 *	65170 *	73207 *
-13.0	3686	5633	8684	12949 *	17698 *	25062 *	33315 *	42861 *	51007 *	58142 *
-15.0	3410	5113	7541	10392 *	14361 *	18741 *	25066 *	30821 *	37709 *	42483 *
-17.0	3089	4571	6522	8872	10931 *	14397 *	17616 *	22238 *	26133 *	28679 *
-19.5	2718	3836	5391	6980	8516	10256 *	11846 *	14260 *	15950 *	17078 *
-22.5	2225	2992	4031	5013	5995	6859	7609	8454	9039	9487
-25.5	1838	2293	2894	3461	3965	4436	4792	5220	5469	5662
-29.0	1512	1759	2061	2332	2523	2775	2967	3115	3260	3389
-33.0	1238	1368	1499	1628	1713	1773	1850	1910	1950	1974
-37.5	1095	1147	1217	1270	1299	1333	1355	1367	1371	1368
-42.5	1063	1105	1141	1168	1188	1207	1222	1229	1230	1229
-47.5	1010	1054	1112	1150	1170	1193	1216	1222	1233	1246
-55.0	704	753	804	848	881	911	935	956	974	991
-65.0	283	306	337	359	374	387	400	410	419	426
-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	38	37	37	37	38	39	40	40	41	41
75.0	462	458	456	458	462	466	458	452	445	436
65.0	1020	1018	1017	1018	1020	1013	998	982	964	946

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CANDELA TABULATION - (Cont.)

55.0	1523	1523	1523	1523	1523	1514	1500	1484	1467	1446
47.5	1539	1538	1538	1538	1539	1536	1531	1525	1520	1514
42.5	1573	1574	1574	1574	1573	1571	1572	1573	1575	1576
37.5	1680	1673	1668	1673	1680	1691	1698	1699	1702	1697
33.0	2302	2300	2293	2300	2302	2299	2275	2233	2178	2112
29.0	3715	3724	3705	3724	3715	3648	3505	3392	3282	3099
25.5	6197	6200	6155	6200	6197	6069	5846	5590	5198	4809
22.5	9710	9962	10047	9962	9710	9411	9105	8676	7859	7076
19.5	16744 *	17216 *	17137 *	17216 *	16744 *	15611 *	14791 *	13607 *	11687 *	10188 *
17.0	26357 *	27145 *	27217 *	27145 *	26357 *	24670 *	22577 *	19680 *	16320 *	13693 *
15.0	37732 *	38895 *	39726 *	38895 *	37732 *	35350 *	31389 *	26013 *	21892 *	17246 *
13.0	52256 *	53551 *	54927 *	53551 *	52256 *	48288 *	42018 *	35418 *	28617 *	22445 *
11.0	66995 *	68866 *	69915 *	68866 *	66995 *	62245 *	55214 *	46152 *	37112 *	28376 *
9.0	79668 *	81808 *	82239 *	81808 *	79668 *	75028 *	66908 *	57040 *	46201 *	35357 *
7.0	88176 *	90377 *	90544 *	90377 *	88176 *	82946 *	76890 *	66227 *	54632 *	41397 *
5.0	91503 *	94386 *	94565 *	94386 *	91503 *	88002 *	81449 *	73023 *	60644 *	46445 *
3.0	93246 *	95585 *	95906 *	95585 *	93246 *	89487 *	84944 *	76127 *	63613 *	49780 *
1.0	94281 *	96034 *	96402 *	96034 *	94281 *	91065 *	86257 *	78260 *	66761 *	52561 *
0.0	94648 *	96102 *	96509 *	96102 *	94648 *	91273 *	86811 *	78982 *	67520 *	53214 *
-1.0	95470 *	97024 *	97502 *	97024 *	95470 *	92315 *	87516 *	79474 *	67829 *	53318 *
-3.0	96984 *	99013 *	99427 *	99013 *	96984 *	93433 *	88691 *	80069 *	67582 *	52917 *
-5.0	97502 *	100708 *	101171 *	100708 *	97502 *	93604 *	87265 *	78577 *	65435 *	50410 *
-7.0	95643 *	98039 *	98423 *	98039 *	95643 *	90575 *	83904 *	73250 *	60630 *	45723 *
-9.0	89403 *	91743 *	92089 *	91743 *	89403 *	84587 *	75896 *	65125 *	52551 *	39639 *
-11.0	78343 *	81002 *	81356 *	81002 *	78343 *	73207 *	65170 *	54329 *	42945 *	31735 *
-13.0	63296 *	66145 *	66502 *	66145 *	63296 *	58142 *	51007 *	42861 *	33315 *	25062 *
-15.0	46102 *	48828 *	48892 *	48828 *	46102 *	42483 *	37709 *	30821 *	25066 *	18741 *
-17.0	31217 *	32919 *	33854 *	32919 *	31217 *	28679 *	26133 *	22238 *	17616 *	14397 *
-19.5	18480 *	19272 *	19982 *	19272 *	18480 *	17078 *	15950 *	14260 *	11846 *	10256 *
-22.5	9774	10160 *	10180 *	10160 *	9774	9487	9039	8454	7609	6859
-25.5	5765	5824	5933	5824	5765	5662	5469	5220	4792	4436
-29.0	3448	3435	3446	3435	3448	3389	3260	3115	2967	2775
-33.0	1974	1959	1962	1959	1974	1974	1950	1910	1850	1773
-37.5	1359	1348	1348	1348	1359	1368	1371	1367	1355	1333
-42.5	1228	1228	1230	1228	1228	1229	1230	1229	1222	1207
-47.5	1261	1262	1264	1262	1261	1246	1233	1222	1216	1193
-55.0	999	996	996	996	999	991	974	956	935	911
-65.0	430	428	427	428	430	426	419	410	400	387
-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	41	41	41	40	39	39	39	36	30	26
75.0	427	415	398	374	349	325	303	247	175	111
65.0	919	888	847	795	760	711	650	546	435	330
55.0	1415	1382	1338	1273	1210	1142	1019	864	706	548
47.5	1503	1486	1463	1431	1380	1320	1216	1083	937	733
42.5	1577	1576	1547	1519	1490	1411	1320	1182	1041	836
37.5	1680	1657	1605	1540	1479	1407	1326	1222	1080	889
33.0	2065	1992	1877	1715	1555	1417	1297	1203	1059	889
29.0	2843	2670	2407	2063	1776	1496	1300	1162	1024	877
25.5	4312	3793	3157	2531	2031	1624	1334	1136	990	864

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CANDELA TABULATION - (Cont.)

22.5	6243	5225	4146	3096	2322	1762	1369	1119	972	844
19.5	8499	7000	5381	3794	2683	1905	1399	1122	958	822
17.0	10767 *	8776	6537	4506	3014	2034	1449	1134	949	802
15.0	13637 *	10117	7505	5071	3350	2121	1501	1139	943	802
13.0	16584 *	12398 *	8422	5548	3639	2300	1538	1153	943	801
11.0	20938 *	14285 *	9332	5878	3875	2428	1581	1166	946	800
9.0	24421 *	17048 *	10643 *	6411	4113	2507	1630	1180	945	798
7.0	29275 *	19493 *	11661 *	6749	4259	2624	1678	1190	942	794
5.0	32829 *	21304 *	12370 *	7030	4386	2733	1708	1194	937	791
3.0	35525 *	23550 *	13509 *	7198	4413	2782	1723	1196	938	792
1.0	37652 *	25144 *	14235 *	7295	4476	2812	1728	1199	933	787
0.0	37904 *	25504 *	14378 *	7281	4505	2811	1725	1197	931	785
-1.0	37676 *	25093 *	14133 *	7256	4496	2825	1732	1201	931	784
-3.0	37376 *	24198 *	13566 *	7175	4467	2819	1735	1203	931	781
-5.0	35690 *	22632 *	12723 *	7110	4456	2784	1723	1200	925	774
-7.0	32250 *	21204 *	12221 *	6903	4346	2689	1694	1193	927	772
-9.0	26770 *	18507 *	11267 *	6607	4200	2574	1647	1179	927	771
-11.0	22465 *	15050 *	9765	6075	3936	2475	1592	1158	923	769
-13.0	17698 *	12949 *	8684	5633	3686	2327	1537	1135	916	765
-15.0	14361 *	10392 *	7541	5113	3410	2130	1490	1109	908	759
-17.0	10931 *	8872	6522	4571	3089	2030	1427	1093	898	752
-19.5	8516	6980	5391	3836	2718	1873	1345	1065	886	745
-22.5	5995	5013	4031	2992	2225	1672	1260	1025	867	732
-25.5	3965	3461	2894	2293	1838	1447	1173	993	846	716
-29.0	2523	2332	2061	1759	1512	1262	1084	957	822	686
-33.0	1713	1628	1499	1368	1238	1111	1014	923	793	646
-37.5	1299	1270	1217	1147	1095	1036	966	875	740	599
-42.5	1188	1168	1141	1105	1063	1006	909	807	674	537
-47.5	1170	1150	1112	1054	1010	934	835	745	589	446
-55.0	881	848	804	753	704	640	563	471	366	259
-65.0	374	359	337	306	283	257	221	166	107	59
-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	21	14	5	1	0
75.0	49	18	10	3	0
65.0	177	45	13	5	0
55.0	338	113	20	6	0
47.5	463	170	27	6	0
42.5	545	208	36	7	0
37.5	591	242	44	7	0
33.0	620	271	49	7	0
29.0	636	293	55	7	0
25.5	640	310	59	7	0
22.5	637	318	62	7	0
19.5	642	326	64	7	0
17.0	642	331	65	7	0
15.0	641	333	66	7	0
13.0	638	334	66	7	0
11.0	635	334	66	7	0
9.0	631	335	66	7	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	626	335	65	7	0
5.0	624	334	65	7	0
3.0	623	333	64	7	0
1.0	618	328	63	7	0
0.0	615	326	62	7	0
-1.0	614	325	62	7	0
-3.0	613	322	61	7	0
-5.0	609	316	60	7	0
-7.0	604	310	58	7	0
-9.0	601	303	57	7	0
-11.0	598	295	55	7	0
-13.0	592	287	53	7	0
-15.0	585	278	51	7	0
-17.0	577	268	48	7	0
-19.5	564	254	45	6	0
-22.5	543	234	42	6	0
-25.5	518	215	37	6	0
-29.0	484	189	32	6	0
-33.0	438	159	26	6	0
-37.5	380	127	22	5	0
-42.5	310	95	18	5	0
-47.5	233	64	13	4	0
-55.0	123	29	10	4	0
-65.0	23	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-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 13599.83

Total Field Lumens (one side of beam only) = 10688.91

* 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	0.75	1.51	1.53	1.52	1.49	1.47	1.43	1.40	1.35	1.62
65	2.25	4.50	4.50	4.45	4.36	4.26	4.16	4.03	3.88	4.61
55	3.87	7.74	7.70	7.61	7.49	7.34	7.18	6.98	6.74	8.05
47.5	3.50	6.99	6.96	6.91	6.83	6.74	6.64	6.51	6.35	7.69
42.5	2.37	4.74	4.72	4.70	4.68	4.64	4.61	4.56	4.50	5.49
37.5	2.47	4.95	4.95	4.95	4.93	4.91	4.88	4.82	4.75	5.77
33	2.72	5.45	5.45	5.43	5.37	5.27	5.15	5.02	4.87	5.80
29	3.66	7.33	7.27	7.10	6.88	6.65	6.36	5.98	5.60	6.47
25.5	5.27	10.57	10.44	10.11	9.68	9.17	8.54	7.79	6.98	7.61
22.5	7.39	14.64	14.31	13.83	13.22	12.29	11.15	9.95	8.60	8.85
19.5	12.42 *	24.49 *	23.46 *	22.23 *	20.89 *	18.82 *	16.45	14.19	11.84	11.80
17	16.89 *	33.28 *	31.67 *	29.40 *	26.64 *	22.98 *	19.32 *	15.94 *	12.83	12.52
15	20.25 *	39.61 *	37.71 *	34.53 *	30.06 *	25.17 *	20.60 *	16.36 *	12.68 *	11.91
13	28.50 *	55.54 *	52.76 *	47.57 *	40.67 *	33.58 *	26.87 *	20.66 *	15.44 *	13.90
11	37.66 *	73.57 *	69.82 *	62.94 *	53.93 *	44.19 *	34.73 *	26.11 *	18.80 *	16.07 *
9	46.12 *	90.51 *	86.28 *	78.58 *	67.96 *	55.95 *	43.81 *	32.24 *	22.46 *	18.55 *
7	52.54 *	103.51 *	99.00 *	91.42 *	80.56 *	67.22 *	52.91 *	38.56 *	26.42 *	21.28 *
5	56.33 *	110.94 *	106.54 *	99.75 *	89.76 *	76.35 *	60.52 *	44.32 *	30.13 *	23.44 *
3	57.94 *	114.07 *	110.07 *	104.17 *	95.18 *	82.02 *	65.69 *	48.64 *	33.15 *	25.58 *
1	58.47 *	115.42 *	111.84 *	106.56 *	98.21 *	85.42 *	69.34 *	51.88 *	35.68 *	27.64 *
0	29.32 *	58.00 *	56.41 *	53.83 *	49.82 *	43.72 *	35.76 *	26.80 *	18.48 *	14.33 *
-1	29.48 *	58.33 *	56.78 *	54.21 *	50.19 *	44.07 *	36.03 *	26.91 *	18.47 *	14.30 *
	59.85 *	118.26 *	114.92 *	109.65 *	101.27 *	88.48 *	72.00 *	53.58 *	36.41 *	27.84 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	60.97 *	120.00 *	115.93 *	109.96 *	100.93 *	87.49 *	70.42 *	52.13 *	35.11 *	26.44 *
-5	60.67 *	119.30 *	114.65 *	107.65 *	97.43 *	83.36 *	66.20 *	48.49 *	32.73 *	24.87 *
-7	57.92 *	114.10 *	109.45 *	101.47 *	89.94 *	75.46 *	59.16 *	42.67 *	28.91 *	22.85 *
-9	52.73 *	103.65 *	98.92 *	90.53 *	78.58 *	64.48 *	49.72 *	35.65 *	24.24 *	19.74 *
-11	44.93 *	87.91 *	82.95 *	74.98 *	64.36 *	52.03 *	39.64 *	28.66 *	19.96 *	16.80 *
-13	35.09 *	68.30 *	63.82 *	57.36 *	48.99 *	39.62 *	30.45 *	22.42 *	16.22 *	14.31
-15	25.05 *	48.42 *	45.12 *	40.90 *	35.26 *	28.72 *	22.59 *	17.27 *	13.05 *	12.05
-17	20.19 *	38.77 *	36.26 *	33.26 *	29.63 *	24.73 *	20.15 *	16.29 *	12.92	12.55
-19.5	13.61 *	26.34 *	24.99 *	23.43 *	21.58 *	18.97 *	16.34	14.02	11.64	11.62
-22.5	7.33	14.39	13.99	13.48	12.75	11.73	10.59	9.42	8.10	8.35
-25.5	4.97	9.84	9.71	9.43	9.01	8.45	7.81	7.09	6.29	6.80
-29	3.29	6.59	6.55	6.41	6.17	5.90	5.58	5.19	4.80	5.44
-33	2.27	4.55	4.56	4.54	4.48	4.37	4.23	4.07	3.89	4.57
-37.5	1.96	3.93	3.94	3.94	3.92	3.88	3.81	3.71	3.61	4.34
-42.5	1.90	3.79	3.77	3.74	3.71	3.67	3.60	3.52	3.42	4.13
-47.5	2.58	5.16	5.12	5.05	4.96	4.87	4.75	4.61	4.45	5.31
-55	2.17	4.34	4.32	4.26	4.16	4.05	3.92	3.77	3.60	4.25
-65	0.68	1.36	1.35	1.33	1.30	1.27	1.22	1.17	1.12	1.32
-75	0.04	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.12
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
-90										
Total	938.40	1844.87	1770.67	1653.33	1487.41	1273.97	1034.53	793.57	580.64	507.05

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.09	0.08	0.09	0.10	0.10	0.10	0.08	0.08	0.07	0.02
85	1.82	1.67	1.78	1.84	1.75	1.42	0.92	0.74	0.39	0.12
75	5.15	4.75	5.08	5.19	4.89	4.09	2.83	2.38	1.10	0.22
65	9.07	8.43	9.06	9.19	8.61	7.44	5.43	4.98	2.56	0.50
55	8.81	8.29	8.98	9.20	8.78	7.85	5.90	5.58	3.09	0.64

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	6.36	6.07	6.64	6.87	6.72	6.19	4.77	4.60	2.64	0.57
42.5	6.62	6.29	6.86	7.13	7.06	6.60	5.18	5.11	3.02	0.69
37.5	6.47	5.91	6.25	6.40	6.36	5.99	4.74	4.81	2.95	0.71
33	6.88	5.93	5.92	5.75	5.55	5.19	4.14	4.32	2.77	0.70
29	7.58	6.14	5.74	5.26	4.83	4.40	3.54	3.77	2.50	0.65
25.5	8.27	6.25	5.50	4.77	4.16	3.69	2.96	3.20	2.17	0.58
22.5	10.50	7.45	6.16	5.04	4.20	3.65	2.90	3.16	2.19	0.60
19.5	10.78	7.30	5.71	4.43	3.57	3.03	2.38	2.60	1.85	0.51
17	10.07	6.65	4.98	3.71	2.92	2.43	1.88	2.06	1.48	0.41
15	11.32	7.35	5.41	3.89	2.98	2.44	1.88	2.06	1.48	0.42
13	12.45	7.91	5.80	4.10	3.04	2.45	1.88	2.05	1.48	0.42
11	13.76	8.46	6.12	4.25	3.11	2.47	1.88	2.05	1.47	0.42
9	15.13	8.99	6.40	4.41	3.18	2.48	1.87	2.04	1.47	0.42
7	16.13	9.36	6.63	4.56	3.23	2.49	1.86	2.03	1.46	0.42
5	17.11	9.61	6.78	4.67	3.26	2.49	1.86	2.02	1.46	0.41
3	18.02 *	9.76	6.86	4.72	3.27	2.49	1.86	2.01	1.45	0.41
1	9.21 *	4.92	3.46	2.37	1.64	1.24	0.92	1.00	0.72	0.20
0	9.18 *	4.91	3.47	2.37	1.64	1.24	0.92	1.00	0.71	0.20
-1	17.97 *	9.76	6.92	4.76	3.29	2.49	1.84	1.99	1.43	0.40
-3	17.31 *	9.69	6.88	4.73	3.28	2.48	1.84	1.98	1.41	0.39
-5	16.62	9.52	6.76	4.64	3.25	2.48	1.83	1.97	1.40	0.39
-7	15.78	9.21	6.54	4.49	3.20	2.46	1.83	1.96	1.38	0.38
-9	14.38	8.69	6.25	4.33	3.12	2.44	1.82	1.96	1.37	0.37
-11	12.86	8.07	5.89	4.14	3.03	2.41	1.82	1.95	1.35	0.36
-13	11.50	7.45	5.47	3.91	2.95	2.37	1.80	1.93	1.32	0.35
-15	10.13	6.75	5.05	3.69	2.86	2.34	1.79	1.91	1.30	0.34
-17	10.83	7.42	5.75	4.36	3.45	2.87	2.21	2.36	1.58	0.40
-19.5	10.40	7.37	6.03	4.82	3.94	3.36	2.61	2.77	1.82	0.45

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	7.81	5.85	5.10	4.35	3.74	3.26	2.55	2.69	1.72	0.41
-25.5	6.72	5.41	5.02	4.54	4.12	3.69	2.89	3.01	1.87	0.43
-29	5.70	4.91	4.86	4.67	4.45	4.08	3.17	3.22	1.93	0.42
-33	5.02	4.55	4.78	4.85	4.76	4.37	3.36	3.32	1.89	0.39
-37.5	4.92	4.60	4.98	5.11	4.98	4.51	3.43	3.26	1.73	0.34
-42.5	4.70	4.42	4.75	4.81	4.61	4.10	3.02	2.73	1.33	0.25
-47.5	5.95	5.51	5.84	5.82	5.49	4.75	3.35	2.84	1.28	0.23
-55	4.69	4.27	4.46	4.39	3.98	3.24	2.13	1.66	0.71	0.15
-65	1.44	1.29	1.35	1.32	1.15	0.86	0.50	0.35	0.18	0.07
-75	0.13	0.13	0.14	0.15	0.15	0.15	0.13	0.15	0.12	0.05
-85	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.03	0.01
-90										
Total	405.67	277.36	232.56	194.15	164.68	140.62	106.57	107.69	67.62	16.82

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	1.40
85			
	0.03	0.00	26.56
75			
	0.04	0.00	76.72
65			
	0.06	0.00	136.05
55			
	0.06	0.00	132.30
47.5			
	0.05	0.00	96.48
42.5			
	0.06	0.00	102.00
37.5			
	0.06	0.00	101.17
33			
	0.06	0.00	110.53
29			
	0.06	0.00	130.63
25.5			
	0.05	0.00	155.84
22.5			
	0.06	0.00	222.52
19.5			
	0.05	0.00	263.68
17			
	0.04	0.00	285.54

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

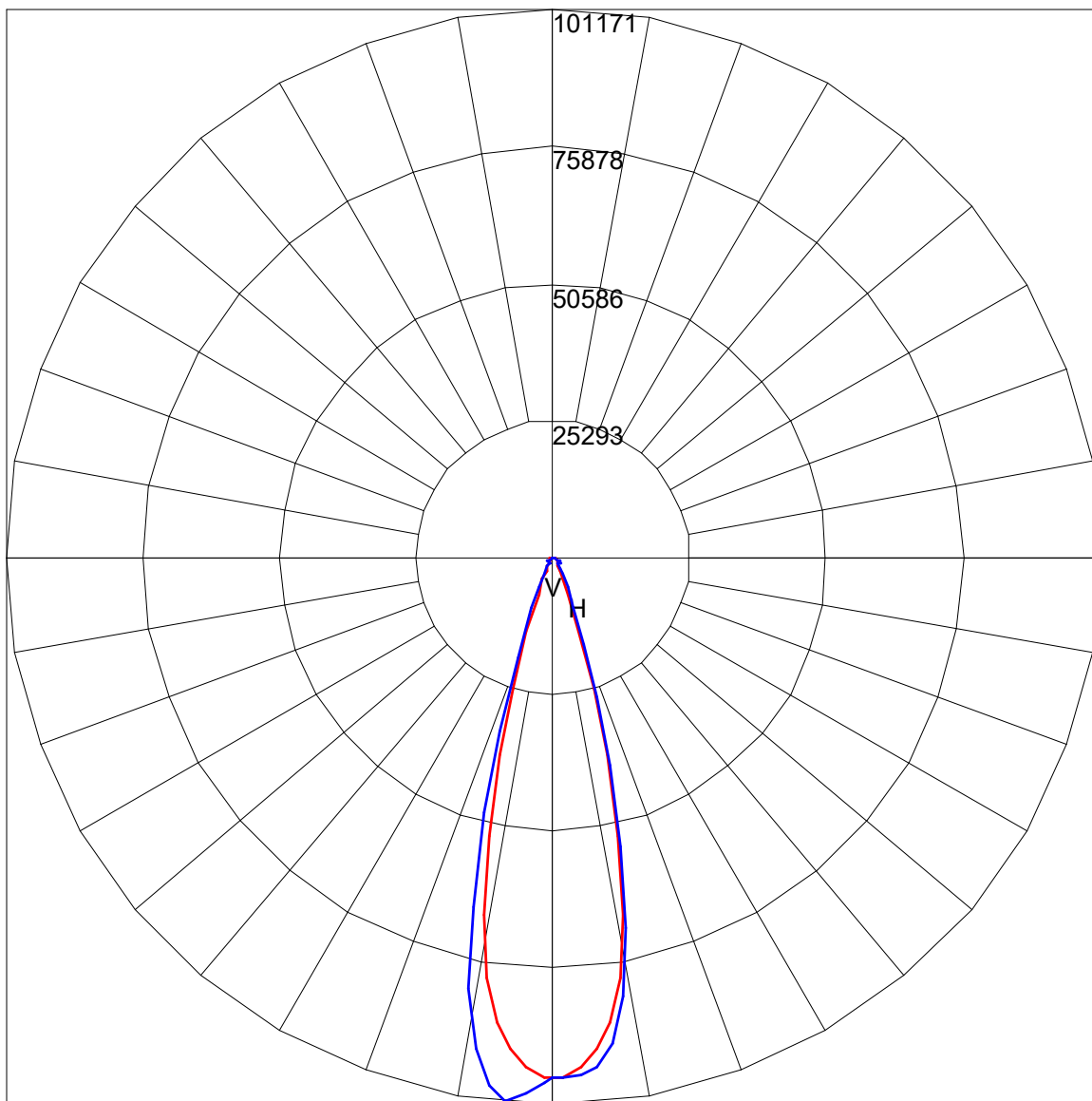
15	0.04	0.00	374.76
13	0.04	0.00	479.42
11	0.04	0.00	586.50
9	0.04	0.00	679.82
7	0.04	0.00	746.29
5	0.04	0.00	786.22
3	0.04	0.00	811.34
1	0.02	0.00	412.17
0	0.02	0.00	414.45
-1	0.04	0.00	833.15
-3	0.04	0.00	829.42
-5	0.03	0.00	804.24
-7	0.03	0.00	749.21
-9	0.03	0.00	662.99
-11	0.03	0.00	554.12
-13	0.03	0.00	435.65
-15	0.03	0.00	324.62
-17	0.03	0.00	286.01
-19.5	0.04	0.00	226.15
-22.5	0.04	0.00	147.67
-25.5	0.04	0.00	117.13
-29	0.04	0.00	93.37
-33	0.04	0.00	78.86
-37.5	0.03	0.00	74.93
-42.5	0.03	0.00	70.00
-47.5	0.03	0.00	87.95
-55	0.03	0.00	68.54
-65	0.02	0.00	20.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

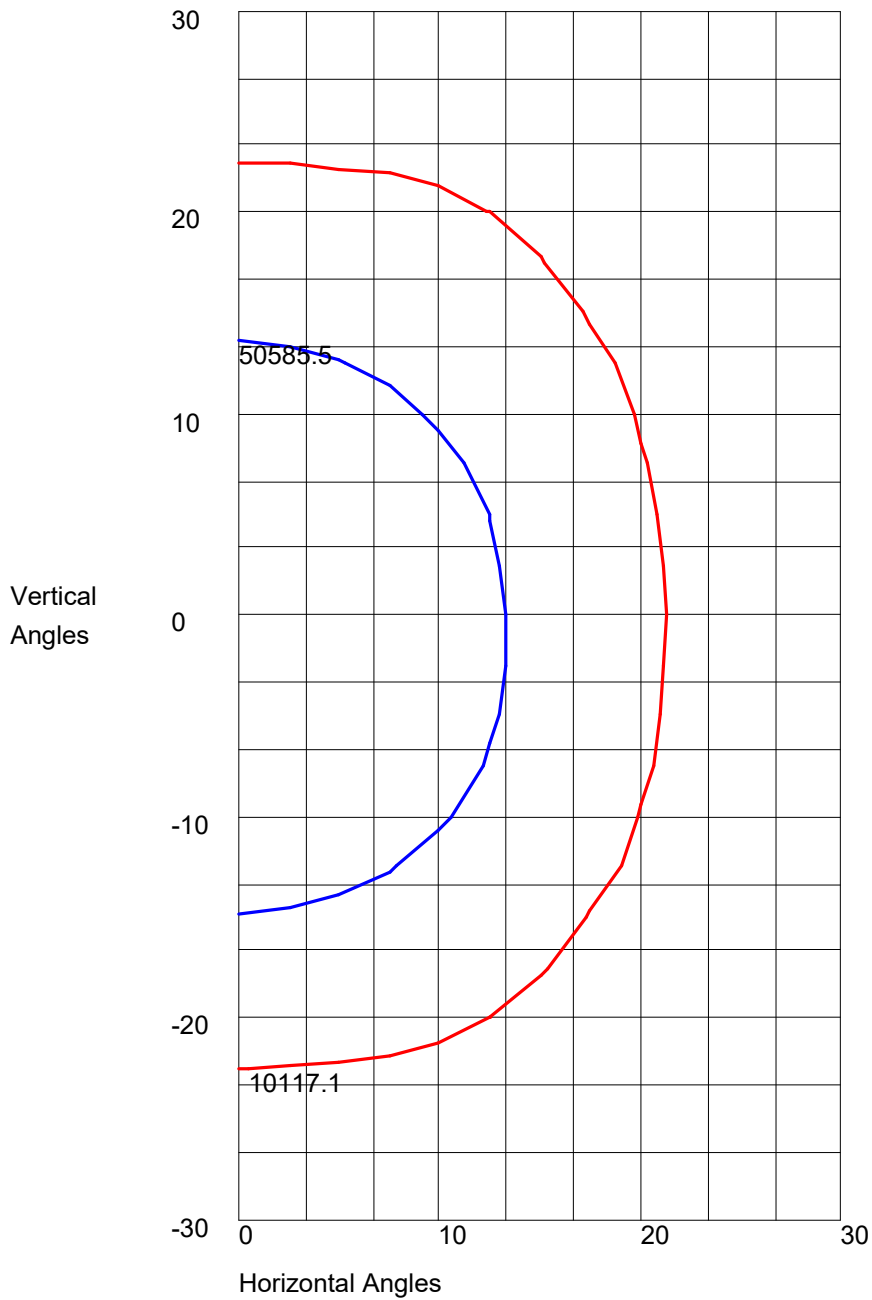
-75	0.01	0.00	2.23
-85	0.00	0.00	0.57
-90			
Total	1.62	0.03	13599.82

AXIAL CANDELA DISPLAY



Maximum Candela = 101171 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 101171 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 50585.5
10% Maximum Candela = 10117.1