



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80-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-30L-PC-NF-40-80-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	115028
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	16888
Beam Efficiency	N.A.
Field Lumens	25024
Field Efficiency	N.A.
Spill Lumens	5629
Luminaire Lumens	30653
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	21
75	24	75	40
65	110	65	532
55	510	55	1186
47.5	731	47.5	1500
42.5	919	42.5	1447
37.5	1246	37.5	1568
33	1860	33	2275
29	3106	29	3998
25.5	5005	25.5	6729
22.5	8161	22.5	11589
19.5	15762	19.5	21238
17	28293	17	34747
15	43453	15	50025
13	61491	13	69539
11	78845	11	87571
9	92966	9	101505
7	102766	7	110346
5	108616	5	114718
3	112139	3	115028
1	113599	1	114433
0	113985	0	113985
-1	113599	-1	114433
-3	112139	-3	115028
-5	108616	-5	114718
-7	102766	-7	110346
-9	92966	-9	101505
-11	78845	-11	87571
-13	61491	-13	69539
-15	43453	-15	50025
-17	28293	-17	34747
-19.5	15762	-19.5	21238
-22.5	8161	-22.5	11589
-25.5	5005	-25.5	6729
-29	3106	-29	3998
-33	1860	-33	2275
-37.5	1246	-37.5	1568
-42.5	919	-42.5	1447
-47.5	731	-47.5	1500
-55	510	-55	1186
-65	110	-65	532
-75	24	-75	40
-85	7	-85	21
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 115028

Beam Edge = 57514 Cd (50% of Max.)

Field Edge = 11502.8 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	3	9	16	18	20	21	22	23
75.0	0	2	6	10	15	17	20	23	25	28
65.0	0	3	9	15	23	36	67	136	210	261
55.0	0	4	12	22	43	170	308	441	555	656
47.5	0	5	14	29	106	370	558	714	859	995
42.5	0	5	16	33	183	487	655	818	959	1086
37.5	0	6	18	38	263	560	717	888	1020	1130
33.0	0	6	19	42	326	607	772	942	1077	1213
29.0	0	6	20	46	377	644	811	981	1152	1370
25.5	0	6	21	48	416	674	836	1020	1253	1575
22.5	0	7	22	61	443	694	859	1054	1350	1797
19.5	0	7	22	74	468	706	878	1099	1443	2022
17.0	0	7	23	83	483	712	892	1132	1532	2220
15.0	0	7	23	89	492	720	902	1150	1595	2346
13.0	0	7	23	94	500	726	910	1173	1640	2562
11.0	0	7	23	97	505	730	917	1193	1695	2724
9.0	0	7	24	101	509	732	920	1213	1754	2833
7.0	0	7	24	105	510	731	920	1227	1806	2955
5.0	0	7	24	107	512	731	916	1234	1837	3059
3.0	0	7	24	110	515	734	922	1240	1850	3097
1.0	0	7	24	110	512	732	920	1247	1861	3116
0.0	0	7	24	110	510	731	919	1246	1860	3106
-1.0	0	7	24	110	512	732	920	1247	1861	3116
-3.0	0	7	24	110	515	734	922	1240	1850	3097
-5.0	0	7	24	107	512	731	916	1234	1837	3059
-7.0	0	7	24	105	510	731	920	1227	1806	2955
-9.0	0	7	24	101	509	732	920	1213	1754	2833
-11.0	0	7	23	97	505	730	917	1193	1695	2724
-13.0	0	7	23	94	500	726	910	1173	1640	2562
-15.0	0	7	23	89	492	720	902	1150	1595	2346
-17.0	0	7	23	83	483	712	892	1132	1532	2220
-19.5	0	7	22	74	468	706	878	1099	1443	2022
-22.5	0	7	22	61	443	694	859	1054	1350	1797
-25.5	0	6	21	48	416	674	836	1020	1253	1575
-29.0	0	6	20	46	377	644	811	981	1152	1370
-33.0	0	6	19	42	326	607	772	942	1077	1213
-37.5	0	6	18	38	263	560	717	888	1020	1130
-42.5	0	5	16	33	183	487	655	818	959	1086
-47.5	0	5	14	29	106	370	558	714	859	995
-55.0	0	4	12	22	43	170	308	441	555	656
-65.0	0	3	9	15	23	36	67	136	210	261
-75.0	0	2	6	10	15	17	20	23	25	28
-85.0	0	1	3	9	16	18	20	21	22	23
-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	23	23	24	24	24	23	23	23	22	22
75.0	31	33	35	36	37	38	38	39	39	40
65.0	297	331	375	407	430	450	469	486	501	515
55.0	753	832	908	967	1012	1056	1092	1122	1150	1174
47.5	1108	1171	1254	1306	1336	1370	1406	1428	1452	1478
42.5	1170	1238	1295	1333	1362	1391	1416	1430	1438	1445
37.5	1220	1288	1376	1445	1486	1531	1564	1585	1589	1582
33.0	1367	1534	1701	1848	1945	2017	2113	2187	2237	2268
29.0	1657	1958	2316	2633	2861	3181	3419	3593	3760	3917
25.5	2010	2549	3226	3858	4486	5081	5525	6014	6340	6591
22.5	2435	3294	4467	5652	6809	7798	8609	9672	10505	11169
19.5	2966	4213	6066	7949	9742	11740 *	13520 *	15886 *	17776 *	19230 *
17.0	3381	5075	7395	10175	12630 *	16354 *	19725 *	23937 *	27759 *	31016 *
15.0	3770	5710	8491	11762 *	16335 *	21057 *	27207 *	32478 *	39141 *	44960 *
13.0	4094	6268	9602	14363 *	19796 *	27911 *	36192 *	45562 *	53415 *	61381 *
11.0	4374	6695	10707	16479 *	24993 *	35047 *	47188 *	59009 *	70100 *	78742 *
9.0	4688	7378	12238 *	20006 *	29406 *	43075 *	57509 *	72262 *	83817 *	93973 *
7.0	4898	7846	13498 *	23211 *	35217 *	50079 *	66845 *	81705 *	94699 *	102218 *
5.0	5045	8159	14356 *	25608 *	39956 *	56359 *	73262 *	88808 *	99338 *	107107 *
3.0	5073	8277	15508 *	27672 *	42899 *	60487 *	77344 *	91931 *	102447 *	108403 *
1.0	5044	8259	15926 *	28570 *	44130 *	62020 *	78978 *	92770 *	102553 *	108827 *
0.0	5005	8161	15762 *	28293 *	43453 *	61491 *	78845 *	92966 *	102766 *	108616 *
-1.0	5044	8259	15926 *	28570 *	44130 *	62020 *	78978 *	92770 *	102553 *	108827 *
-3.0	5073	8277	15508 *	27672 *	42899 *	60487 *	77344 *	91931 *	102447 *	108403 *
-5.0	5045	8159	14356 *	25608 *	39956 *	56359 *	73262 *	88808 *	99338 *	107107 *
-7.0	4898	7846	13498 *	23211 *	35217 *	50079 *	66845 *	81705 *	94699 *	102218 *
-9.0	4688	7378	12238 *	20006 *	29406 *	43075 *	57509 *	72262 *	83817 *	93973 *
-11.0	4374	6695	10707	16479 *	24993 *	35047 *	47188 *	59009 *	70100 *	78742 *
-13.0	4094	6268	9602	14363 *	19796 *	27911 *	36192 *	45562 *	53415 *	61381 *
-15.0	3770	5710	8491	11762 *	16335 *	21057 *	27207 *	32478 *	39141 *	44960 *
-17.0	3381	5075	7395	10175	12630 *	16354 *	19725 *	23937 *	27759 *	31016 *
-19.5	2966	4213	6066	7949	9742	11740 *	13520 *	15886 *	17776 *	19230 *
-22.5	2435	3294	4467	5652	6809	7798	8609	9672	10505	11169
-25.5	2010	2549	3226	3858	4486	5081	5525	6014	6340	6591
-29.0	1657	1958	2316	2633	2861	3181	3419	3593	3760	3917
-33.0	1367	1534	1701	1848	1945	2017	2113	2187	2237	2268
-37.5	1220	1288	1376	1445	1486	1531	1564	1585	1589	1582
-42.5	1170	1238	1295	1333	1362	1391	1416	1430	1438	1445
-47.5	1108	1171	1254	1306	1336	1370	1406	1428	1452	1478
-55.0	753	832	908	967	1012	1056	1092	1122	1150	1174
-65.0	297	331	375	407	430	450	469	486	501	515
-75.0	31	33	35	36	37	38	38	39	39	40
-85.0	23	23	24	24	24	23	23	23	22	22
-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	22	21	21	21	22	22	22	23	23	23
75.0	40	40	40	40	40	40	39	39	38	38
65.0	526	530	532	530	526	515	501	486	469	450

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CANDELA TABULATION - (Cont.)

55.0	1189	1187	1186	1187	1189	1174	1150	1122	1092	1056
47.5	1502	1501	1500	1501	1502	1478	1452	1428	1406	1370
42.5	1449	1448	1447	1448	1449	1445	1438	1430	1416	1391
37.5	1568	1570	1568	1570	1568	1582	1589	1585	1564	1531
33.0	2276	2280	2275	2280	2276	2268	2237	2187	2113	2017
29.0	3991	4012	3998	4012	3991	3917	3760	3593	3419	3181
25.5	6727	6755	6729	6755	6727	6591	6340	6014	5525	5081
22.5	11644 *	11761 *	11589 *	11761 *	11644 *	11169	10505	9672	8609	7798
19.5	20751 *	21398 *	21238 *	21398 *	20751 *	19230 *	17776 *	15886 *	13520 *	11740 *
17.0	33690 *	34967 *	34747 *	34967 *	33690 *	31016 *	27759 *	23937 *	19725 *	16354 *
15.0	48884 *	50623 *	50025 *	50623 *	48884 *	44960 *	39141 *	32478 *	27207 *	21057 *
13.0	67320 *	69823 *	69539 *	69823 *	67320 *	61381 *	53415 *	45562 *	36192 *	27911 *
11.0	84883 *	87744 *	87571 *	87744 *	84883 *	78742 *	70100 *	59009 *	47188 *	35047 *
9.0	99425 *	101548 *	101505 *	101548 *	99425 *	93973 *	83817 *	72262 *	57509 *	43075 *
7.0	108344 *	110199 *	110346 *	110199 *	108344 *	102218 *	94699 *	81705 *	66845 *	50079 *
5.0	111394 *	114277 *	114718 *	114277 *	111394 *	107107 *	99338 *	88808 *	73262 *	56359 *
3.0	112323 *	114606 *	115028 *	114606 *	112323 *	108403 *	102447 *	91931 *	77344 *	60487 *
1.0	112261 *	113983 *	114433 *	113983 *	112261 *	108827 *	102553 *	92770 *	78978 *	62020 *
0.0	112139 *	113599 *	113985 *	113599 *	112139 *	108616 *	102766 *	92966 *	78845 *	61491 *
-1.0	112261 *	113983 *	114433 *	113983 *	112261 *	108827 *	102553 *	92770 *	78978 *	62020 *
-3.0	112323 *	114606 *	115028 *	114606 *	112323 *	108403 *	102447 *	91931 *	77344 *	60487 *
-5.0	111394 *	114277 *	114718 *	114277 *	111394 *	107107 *	99338 *	88808 *	73262 *	56359 *
-7.0	108344 *	110199 *	110346 *	110199 *	108344 *	102218 *	94699 *	81705 *	66845 *	50079 *
-9.0	99425 *	101548 *	101505 *	101548 *	99425 *	93973 *	83817 *	72262 *	57509 *	43075 *
-11.0	84883 *	87744 *	87571 *	87744 *	84883 *	78742 *	70100 *	59009 *	47188 *	35047 *
-13.0	67320 *	69823 *	69539 *	69823 *	67320 *	61381 *	53415 *	45562 *	36192 *	27911 *
-15.0	48884 *	50623 *	50025 *	50623 *	48884 *	44960 *	39141 *	32478 *	27207 *	21057 *
-17.0	33690 *	34967 *	34747 *	34967 *	33690 *	31016 *	27759 *	23937 *	19725 *	16354 *
-19.5	20751 *	21398 *	21238 *	21398 *	20751 *	19230 *	17776 *	15886 *	13520 *	11740 *
-22.5	11644 *	11761 *	11589 *	11761 *	11644 *	11169	10505	9672	8609	7798
-25.5	6727	6755	6729	6755	6727	6591	6340	6014	5525	5081
-29.0	3991	4012	3998	4012	3991	3917	3760	3593	3419	3181
-33.0	2276	2280	2275	2280	2276	2268	2237	2187	2113	2017
-37.5	1568	1570	1568	1570	1568	1582	1589	1585	1564	1531
-42.5	1449	1448	1447	1448	1449	1445	1438	1430	1416	1391
-47.5	1502	1501	1500	1501	1502	1478	1452	1428	1406	1370
-55.0	1189	1187	1186	1187	1189	1174	1150	1122	1092	1056
-65.0	526	530	532	530	526	515	501	486	469	450
-75.0	40	40	40	40	40	40	39	39	38	38
-85.0	22	21	21	21	22	22	22	23	23	23
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	24	24	24	23	23	23	22	21	20	18
75.0	37	36	35	33	31	28	25	23	20	17
65.0	430	407	375	331	297	261	210	136	67	36
55.0	1012	967	908	832	753	656	555	441	308	170
47.5	1336	1306	1254	1171	1108	995	859	714	558	370
42.5	1362	1333	1295	1238	1170	1086	959	818	655	487
37.5	1486	1445	1376	1288	1220	1130	1020	888	717	560
33.0	1945	1848	1701	1534	1367	1213	1077	942	772	607
29.0	2861	2633	2316	1958	1657	1370	1152	981	811	644
25.5	4486	3858	3226	2549	2010	1575	1253	1020	836	674

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CANDELA TABULATION - (Cont.)

22.5	6809	5652	4467	3294	2435	1797	1350	1054	859	694
19.5	9742	7949	6066	4213	2966	2022	1443	1099	878	706
17.0	12630 *	10175	7395	5075	3381	2220	1532	1132	892	712
15.0	16335 *	11762 *	8491	5710	3770	2346	1595	1150	902	720
13.0	19796 *	14363 *	9602	6268	4094	2562	1640	1173	910	726
11.0	24993 *	16479 *	10707	6695	4374	2724	1695	1193	917	730
9.0	29406 *	20006 *	12238 *	7378	4688	2833	1754	1213	920	732
7.0	35217 *	23211 *	13498 *	7846	4898	2955	1806	1227	920	731
5.0	39956 *	25608 *	14356 *	8159	5045	3059	1837	1234	916	731
3.0	42899 *	27672 *	15508 *	8277	5073	3097	1850	1240	922	734
1.0	44130 *	28570 *	15926 *	8259	5044	3116	1861	1247	920	732
0.0	43453 *	28293 *	15762 *	8161	5005	3106	1860	1246	919	731
-1.0	44130 *	28570 *	15926 *	8259	5044	3116	1861	1247	920	732
-3.0	42899 *	27672 *	15508 *	8277	5073	3097	1850	1240	922	734
-5.0	39956 *	25608 *	14356 *	8159	5045	3059	1837	1234	916	731
-7.0	35217 *	23211 *	13498 *	7846	4898	2955	1806	1227	920	731
-9.0	29406 *	20006 *	12238 *	7378	4688	2833	1754	1213	920	732
-11.0	24993 *	16479 *	10707	6695	4374	2724	1695	1193	917	730
-13.0	19796 *	14363 *	9602	6268	4094	2562	1640	1173	910	726
-15.0	16335 *	11762 *	8491	5710	3770	2346	1595	1150	902	720
-17.0	12630 *	10175	7395	5075	3381	2220	1532	1132	892	712
-19.5	9742	7949	6066	4213	2966	2022	1443	1099	878	706
-22.5	6809	5652	4467	3294	2435	1797	1350	1054	859	694
-25.5	4486	3858	3226	2549	2010	1575	1253	1020	836	674
-29.0	2861	2633	2316	1958	1657	1370	1152	981	811	644
-33.0	1945	1848	1701	1534	1367	1213	1077	942	772	607
-37.5	1486	1445	1376	1288	1220	1130	1020	888	717	560
-42.5	1362	1333	1295	1238	1170	1086	959	818	655	487
-47.5	1336	1306	1254	1171	1108	995	859	714	558	370
-55.0	1012	967	908	832	753	656	555	441	308	170
-65.0	430	407	375	331	297	261	210	136	67	36
-75.0	37	36	35	33	31	28	25	23	20	17
-85.0	24	24	24	23	23	23	22	21	20	18
-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	16	9	3	1	0
75.0	15	10	6	2	0
65.0	23	15	9	3	0
55.0	43	22	12	4	0
47.5	106	29	14	5	0
42.5	183	33	16	5	0
37.5	263	38	18	6	0
33.0	326	42	19	6	0
29.0	377	46	20	6	0
25.5	416	48	21	6	0
22.5	443	61	22	7	0
19.5	468	74	22	7	0
17.0	483	83	23	7	0
15.0	492	89	23	7	0
13.0	500	94	23	7	0
11.0	505	97	23	7	0
9.0	509	101	24	7	0

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

CANDELA TABULATION - (Cont.)

7.0	510	105	24	7	0
5.0	512	107	24	7	0
3.0	515	110	24	7	0
1.0	512	110	24	7	0
0.0	510	110	24	7	0
-1.0	512	110	24	7	0
-3.0	515	110	24	7	0
-5.0	512	107	24	7	0
-7.0	510	105	24	7	0
-9.0	509	101	24	7	0
-11.0	505	97	23	7	0
-13.0	500	94	23	7	0
-15.0	492	89	23	7	0
-17.0	483	83	23	7	0
-19.5	468	74	22	7	0
-22.5	443	61	22	7	0
-25.5	416	48	21	6	0
-29.0	377	46	20	6	0
-33.0	326	42	19	6	0
-37.5	263	38	18	6	0
-42.5	183	33	16	5	0
-47.5	106	29	14	5	0
-55.0	43	22	12	4	0
-65.0	23	15	9	3	0
-75.0	15	10	6	2	0
-85.0	16	9	3	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15326.38

Total Field Lumens (one side of beam only) = 12511.85

* 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	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
75	0.09	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.22
65	0.87	1.73	1.70	1.66	1.61	1.55	1.48	1.41	1.33	1.54
55	2.62	5.22	5.17	5.06	4.92	4.75	4.57	4.36	4.12	4.80
47.5	3.07	6.14	6.09	5.97	5.83	5.68	5.50	5.29	5.07	6.01
42.5	2.24	4.49	4.46	4.40	4.33	4.26	4.16	4.03	3.91	4.69
37.5	2.30	4.59	4.59	4.58	4.56	4.50	4.40	4.26	4.12	4.93
33	2.64	5.27	5.26	5.23	5.16	5.03	4.84	4.64	4.43	5.18
29	3.83	7.65	7.57	7.38	7.10	6.79	6.39	5.91	5.44	6.15
25.5	5.73	11.45	11.29	10.92	10.40	9.74	8.97	8.07	7.09	7.61
22.5	8.41	16.84	16.47	15.72	14.72	13.42	12.07	10.72	9.14	9.33
19.5	15.07 *	29.93 *	28.62 *	26.66 *	24.36 *	21.46 *	18.62	16.00	13.24	13.09
17	21.39 *	42.16 *	39.76 *	36.27 *	32.18 *	27.40 *	22.84 *	18.64 *	14.82	14.28
15	25.95 *	51.19 *	48.18 *	43.28 *	37.20 *	31.00 *	25.13 *	19.62 *	14.90 *	13.68
13	36.55 *	72.04 *	67.62 *	60.25 *	51.46 *	42.43 *	33.48 *	25.15 *	18.23 *	15.99
11	47.93 *	94.30 *	88.83 *	79.86 *	68.80 *	56.38 *	43.60 *	31.85 *	22.14 *	18.50 *
9	57.63 *	113.73 *	108.48 *	98.95 *	86.02 *	70.78 *	54.47 *	39.17 *	26.61 *	21.49 *
7	64.51 *	127.71 *	122.75 *	113.51 *	100.29 *	83.49 *	64.81 *	46.63 *	31.58 *	24.93 *
5	68.47 *	135.23 *	130.38 *	122.19 *	109.96 *	93.18 *	73.46 *	53.68 *	36.31 *	27.72 *
3	69.85 *	137.78 *	133.46 *	126.41 *	115.38 *	99.40 *	79.69 *	59.02 *	39.86 *	30.06 *
1	69.76 *	137.95 *	134.25 *	127.91 *	117.55 *	102.30 *	83.08 *	61.93 *	41.95 *	31.70 *
0	34.72 *	68.80 *	67.13 *	64.03 *	58.98 *	51.53 *	41.91 *	31.19 *	21.15 *	16.01 *
-1	34.72 *	68.80 *	67.13 *	64.03 *	58.98 *	51.53 *	41.91 *	31.19 *	21.15 *	16.01 *
	69.76 *	137.95 *	134.25 *	127.91 *	117.55 *	102.30 *	83.08 *	61.93 *	41.95 *	31.70 *

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

LUMENS TABULATION - (Cont.)

-3	69.85 *	137.78 *	133.46 *	126.41 *	115.38 *	99.40 *	79.69 *	59.02 *	39.86 *	30.06 *
-5	68.47 *	135.23 *	130.38 *	122.19 *	109.96 *	93.18 *	73.46 *	53.68 *	36.31 *	27.72 *
-7	64.51 *	127.71 *	122.75 *	113.51 *	100.29 *	83.49 *	64.81 *	46.63 *	31.58 *	24.93 *
-9	57.63 *	113.73 *	108.48 *	98.95 *	86.02 *	70.78 *	54.47 *	39.17 *	26.61 *	21.49 *
-11	47.93 *	94.30 *	88.83 *	79.86 *	68.80 *	56.38 *	43.60 *	31.85 *	22.14 *	18.50 *
-13	36.55 *	72.04 *	67.62 *	60.25 *	51.46 *	42.43 *	33.48 *	25.15 *	18.23 *	15.99
-15	25.95 *	51.19 *	48.18 *	43.28 *	37.20 *	31.00 *	25.13 *	19.62 *	14.90 *	13.68
-17	21.39 *	42.16 *	39.76 *	36.27 *	32.18 *	27.40 *	22.84 *	18.64 *	14.82	14.28
-19.5	15.07 *	29.93 *	28.62 *	26.66 *	24.36 *	21.46 *	18.62	16.00	13.24	13.09
-22.5	8.41	16.84	16.47	15.72	14.72	13.42	12.07	10.72	9.14	9.33
-25.5	5.73	11.45	11.29	10.92	10.40	9.74	8.97	8.07	7.09	7.61
-29	3.83	7.65	7.57	7.38	7.10	6.79	6.39	5.91	5.44	6.15
-33	2.64	5.27	5.26	5.23	5.16	5.03	4.84	4.64	4.43	5.18
-37.5	2.30	4.59	4.59	4.58	4.56	4.50	4.40	4.26	4.12	4.93
-42.5	2.24	4.49	4.46	4.40	4.33	4.26	4.16	4.03	3.91	4.69
-47.5	3.07	6.14	6.09	5.97	5.83	5.68	5.50	5.29	5.07	6.01
-55	2.62	5.22	5.17	5.06	4.92	4.75	4.57	4.36	4.12	4.80
-65	0.87	1.73	1.70	1.66	1.61	1.55	1.48	1.41	1.33	1.54
-75	0.09	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.22
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
-90										
Total	1087.29	2148.84	2064.56	1920.99	1722.05	1470.53	1187.37	903.59	651.31	555.91

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
85	0.25	0.23	0.25	0.26	0.25	0.24	0.20	0.24	0.19	0.07
75	1.65	1.44	1.46	1.37	1.10	0.72	0.38	0.33	0.24	0.10
65	5.22	4.62	4.66	4.39	3.75	2.78	1.56	0.97	0.39	0.15
55	6.66	6.05	6.24	6.00	5.39	4.42	2.84	1.85	0.57	0.15

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

LUMENS TABULATION - (Cont.)

47.5										
	5.29	4.89	5.16	5.09	4.69	4.00	2.79	2.05	0.67	0.12
42.5	5.54	5.13	5.46	5.48	5.16	4.49	3.26	2.67	0.98	0.14
37.5	5.66	5.08	5.26	5.22	4.94	4.36	3.22	2.82	1.14	0.14
33	6.41	5.44	5.31	5.02	4.65	4.09	3.05	2.79	1.20	0.13
29	7.50	5.97	5.48	4.89	4.31	3.72	2.79	2.64	1.18	0.12
25.5	8.66	6.44	5.56	4.68	3.93	3.30	2.47	2.39	1.10	0.12
22.5	11.54	8.08	6.55	5.18	4.15	3.40	2.53	2.48	1.19	0.14
19.5	12.13	8.16	6.27	4.71	3.64	2.92	2.15	2.12	1.05	0.13
17	11.38	7.49	5.55	4.02	3.03	2.38	1.74	1.72	0.87	0.11
15	12.83	8.28	6.05	4.25	3.11	2.41	1.75	1.74	0.89	0.12
13	14.19	8.94	6.52	4.50	3.19	2.45	1.77	1.76	0.91	0.12
11	15.79	9.66	6.93	4.70	3.28	2.47	1.78	1.77	0.92	0.13
9	17.47	10.36	7.28	4.88	3.36	2.50	1.78	1.77	0.93	0.13
7	18.71	10.83	7.56	5.04	3.42	2.51	1.78	1.77	0.94	0.14
5	19.75 *	11.08	7.71	5.14	3.45	2.51	1.78	1.78	0.95	0.14
3	20.46 *	11.12	7.74	5.18	3.47	2.52	1.78	1.78	0.95	0.14
1	10.26 *	5.52	3.85	2.60	1.74	1.26	0.89	0.89	0.47	0.07
0	10.26 *	5.52	3.85	2.60	1.74	1.26	0.89	0.89	0.47	0.07
-1	20.46 *	11.12	7.74	5.18	3.47	2.52	1.78	1.78	0.95	0.14
-3	19.75 *	11.08	7.71	5.14	3.45	2.51	1.78	1.78	0.95	0.14
-5	18.71	10.83	7.56	5.04	3.42	2.51	1.78	1.77	0.94	0.14
-7	17.47	10.36	7.28	4.88	3.36	2.50	1.78	1.77	0.93	0.13
-9	15.79	9.66	6.93	4.70	3.28	2.47	1.78	1.77	0.92	0.13
-11	14.19	8.94	6.52	4.50	3.19	2.45	1.77	1.76	0.91	0.12
-13	12.83	8.28	6.05	4.25	3.11	2.41	1.75	1.74	0.89	0.12
-15	11.38	7.49	5.55	4.02	3.03	2.38	1.74	1.72	0.87	0.11
-17	12.13	8.16	6.27	4.71	3.64	2.92	2.15	2.12	1.05	0.13
-19.5	11.54	8.08	6.55	5.18	4.15	3.40	2.53	2.48	1.19	0.14

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

LUMENS TABULATION - (Cont.)

-22.5	8.66	6.44	5.56	4.68	3.93	3.30	2.47	2.39	1.10	0.12
-25.5	7.50	5.97	5.48	4.89	4.31	3.72	2.79	2.64	1.18	0.12
-29	6.41	5.44	5.31	5.02	4.65	4.09	3.05	2.79	1.20	0.13
-33	5.66	5.08	5.26	5.22	4.94	4.36	3.22	2.82	1.14	0.14
-37.5	5.54	5.13	5.46	5.48	5.16	4.49	3.26	2.67	0.98	0.14
-42.5	5.29	4.89	5.16	5.09	4.69	4.00	2.79	2.05	0.67	0.12
-47.5	6.66	6.05	6.24	6.00	5.39	4.42	2.84	1.85	0.57	0.15
-55	5.22	4.62	4.66	4.39	3.75	2.78	1.56	0.97	0.39	0.15
-65	1.65	1.44	1.46	1.37	1.10	0.72	0.38	0.33	0.24	0.10
-75	0.25	0.23	0.25	0.26	0.25	0.24	0.20	0.24	0.19	0.07
-85	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
-90	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.02
Total	434.76	289.72	233.84	185.29	148.12	119.01	84.64	76.75	35.61	5.26

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.84
85			
	0.02	0.00	3.98
75			
	0.03	0.00	23.70
65			
	0.04	0.00	74.12
55			
	0.03	0.00	94.86
47.5			
	0.03	0.00	75.75
42.5			
	0.03	0.00	81.14
37.5			
	0.03	0.00	85.54
33			
	0.03	0.00	102.33
29			
	0.02	0.00	129.92
25.5			
	0.02	0.00	165.51
22.5			
	0.02	0.00	252.34
19.5			
	0.02	0.00	313.05
17			
	0.02	0.00	348.42

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

LUMENS TABULATION - (Cont.)

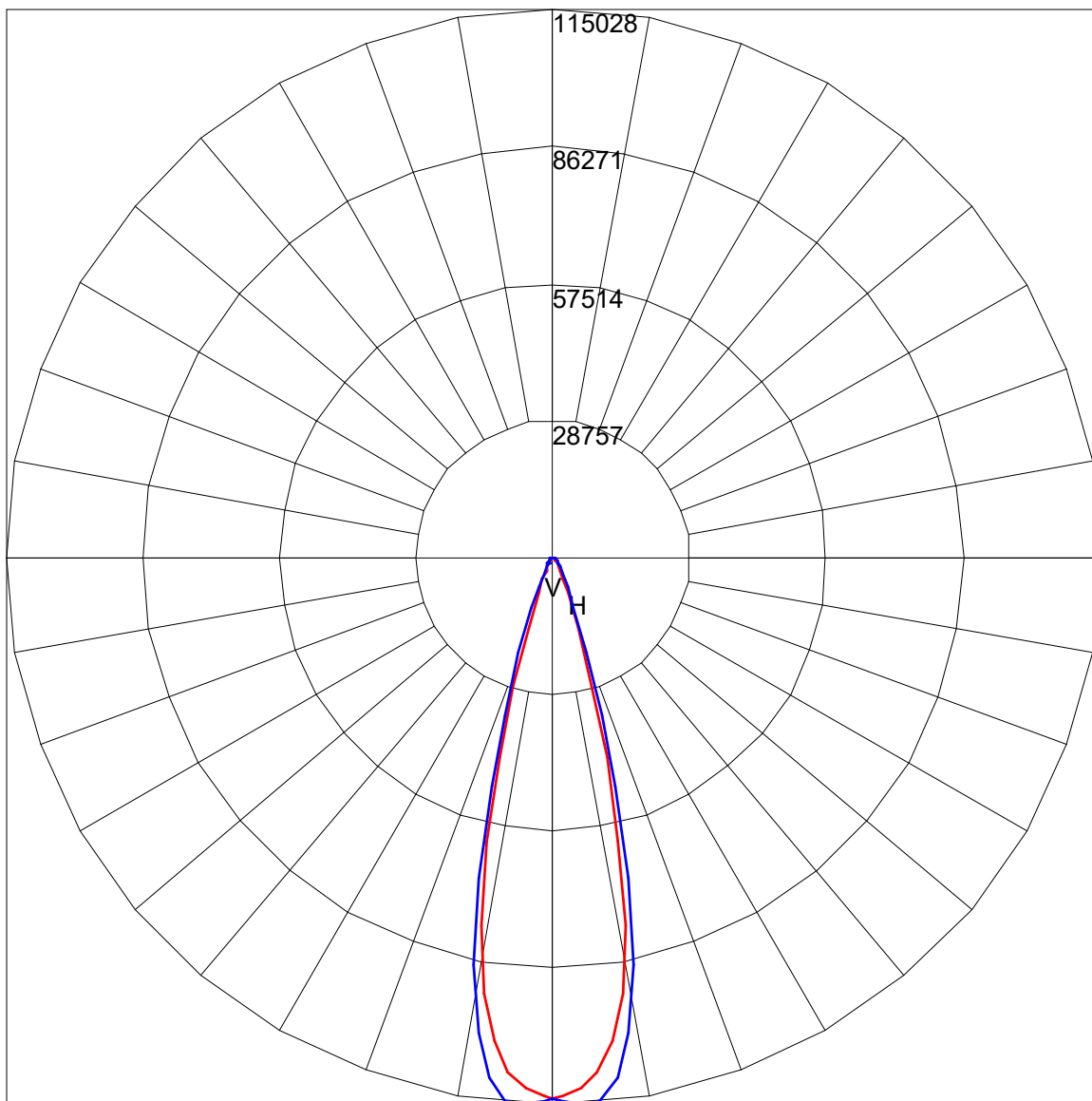
15	0.02	0.00	464.66
13	0.02	0.00	596.55
11	0.02	0.00	724.77
9	0.02	0.00	830.68
7	0.02	0.00	903.26
5	0.02	0.00	945.22
3	0.02	0.00	963.54
1	0.01	0.00	483.02
0	0.01	0.00	483.02
-1	0.02	0.00	963.54
-3	0.02	0.00	945.22
-5	0.02	0.00	903.26
-7	0.02	0.00	830.68
-9	0.02	0.00	724.77
-11	0.02	0.00	596.55
-13	0.02	0.00	464.66
-15	0.02	0.00	348.42
-17	0.02	0.00	313.05
-19.5	0.02	0.00	252.34
-22.5	0.02	0.00	165.51
-25.5	0.02	0.00	129.92
-29	0.03	0.00	102.33
-33	0.03	0.00	85.54
-37.5	0.03	0.00	81.14
-42.5	0.03	0.00	75.75
-47.5	0.03	0.00	94.86
-55	0.04	0.00	74.12
-65	0.03	0.00	23.70

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

LUMENS TABULATION - (Cont.)

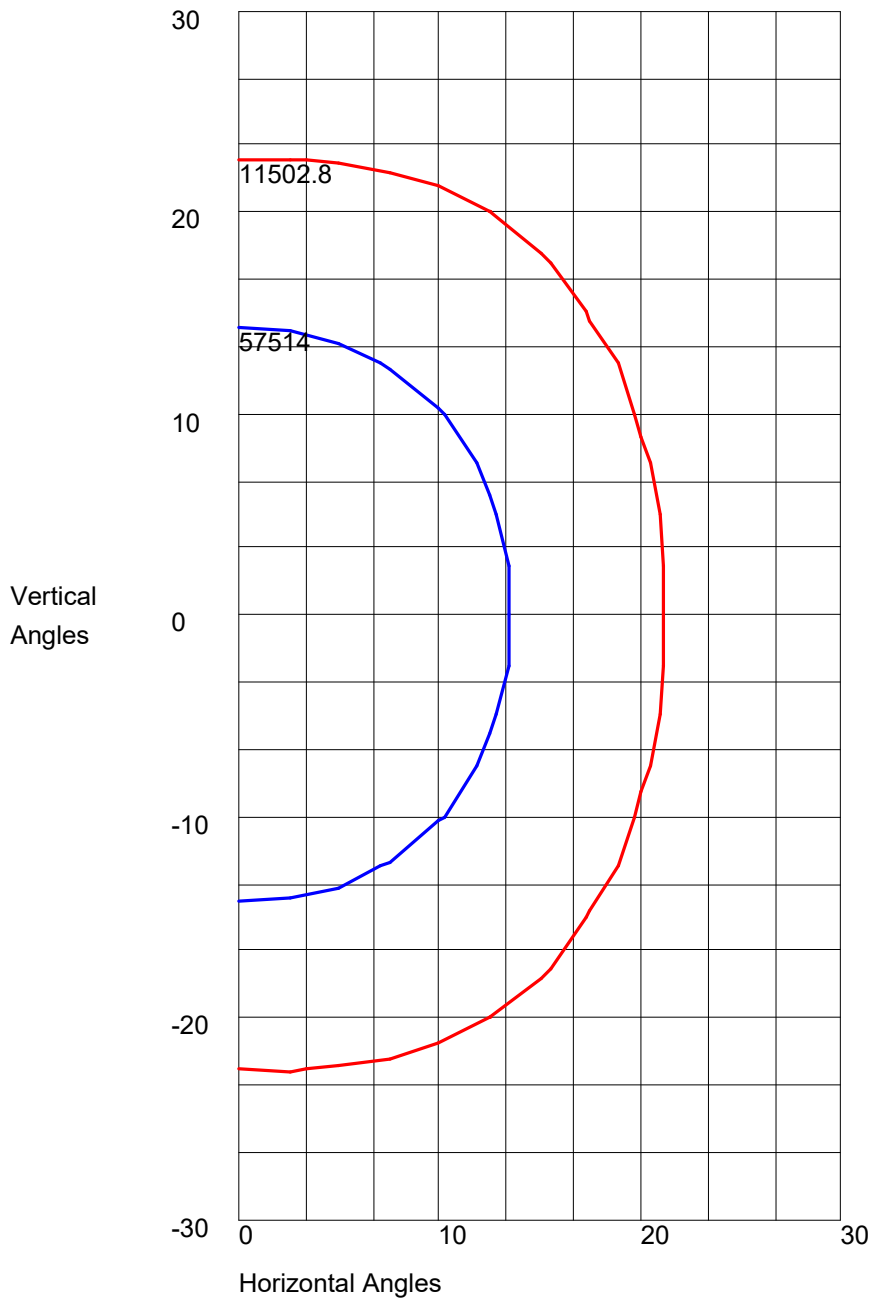
-75	0.02	0.00	3.98
-85	0.00	0.00	0.84
-90			
Total	0.91	0.03	15326.37

AXIAL CANDELA DISPLAY



Maximum Candela = 115028 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 115028 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 57514
10% Maximum Candela = 11502.8