



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-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-42L-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	137972
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	20257
Beam Efficiency	N.A.
Field Lumens	30015
Field Efficiency	N.A.
Spill Lumens	6752
Luminaire Lumens	36767
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	8	85	25
75	29	75	48
65	132	65	638
55	612	55	1422
47.5	876	47.5	1800
42.5	1104	42.5	1735
37.5	1495	37.5	1881
33	2232	33	2729
29	3725	29	4796
25.5	6004	25.5	8072
22.5	9789	22.5	13900
19.5	18907	19.5	25474
17	33936	17	41677
15	52120	15	60003
13	73757	13	83410
11	94572	11	105039
9	111509	9	121752
7	123263	7	132356
5	130281	5	137600
3	134507	3	137972
1	136258	1	137259
0	136721	0	136721
-1	136258	-1	137259
-3	134507	-3	137972
-5	130281	-5	137600
-7	123263	-7	132356
-9	111509	-9	121752
-11	94572	-11	105039
-13	73757	-13	83410
-15	52120	-15	60003
-17	33936	-17	41677
-19.5	18907	-19.5	25474
-22.5	9789	-22.5	13900
-25.5	6004	-25.5	8072
-29	3725	-29	4796
-33	2232	-33	2729
-37.5	1495	-37.5	1881
-42.5	1104	-42.5	1735
-47.5	876	-47.5	1800
-55	612	-55	1422
-65	132	-65	638
-75	29	-75	48
-85	8	-85	25
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 137972

Beam Edge = 68986 Cd (50% of Max.)

Field Edge = 13797.2 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	4	12	19	22	23	25	26	26
75.0	0	3	8	13	18	20	24	27	30	34
65.0	0	5	10	18	28	43	80	162	252	313
55.0	0	6	14	26	51	204	370	529	666	787
47.5	0	7	17	34	127	444	669	857	1030	1193
42.5	0	7	19	40	219	584	786	981	1150	1303
37.5	0	7	21	45	315	672	860	1065	1224	1356
33.0	0	7	22	51	391	728	926	1129	1292	1455
29.0	0	7	24	55	453	773	972	1176	1381	1643
25.5	0	8	25	58	498	809	1002	1223	1502	1890
22.5	0	8	26	74	532	833	1029	1264	1619	2155
19.5	0	8	27	89	562	848	1054	1318	1730	2425
17.0	0	8	27	100	580	855	1070	1358	1837	2662
15.0	0	8	28	107	591	864	1082	1380	1913	2814
13.0	0	8	28	113	600	871	1092	1407	1968	3073
11.0	0	8	28	117	606	876	1100	1431	2034	3267
9.0	0	8	28	122	610	878	1103	1455	2105	3398
7.0	0	8	29	126	612	877	1103	1472	2167	3544
5.0	0	8	29	129	615	876	1099	1481	2204	3669
3.0	0	8	29	132	617	880	1106	1487	2219	3715
1.0	0	8	29	132	614	877	1105	1496	2233	3738
0.0	0	8	29	132	612	876	1104	1495	2232	3725
-1.0	0	8	29	132	614	877	1105	1496	2233	3738
-3.0	0	8	29	132	617	880	1106	1487	2219	3715
-5.0	0	8	29	129	615	876	1099	1481	2204	3669
-7.0	0	8	29	126	612	877	1103	1472	2167	3544
-9.0	0	8	28	122	610	878	1103	1455	2105	3398
-11.0	0	8	28	117	606	876	1100	1431	2034	3267
-13.0	0	8	28	113	600	871	1092	1407	1968	3073
-15.0	0	8	28	107	591	864	1082	1380	1913	2814
-17.0	0	8	27	100	580	855	1070	1358	1837	2662
-19.5	0	8	27	89	562	848	1054	1318	1730	2425
-22.5	0	8	26	74	532	833	1029	1264	1619	2155
-25.5	0	8	25	58	498	809	1002	1223	1502	1890
-29.0	0	7	24	55	453	773	972	1176	1381	1643
-33.0	0	7	22	51	391	728	926	1129	1292	1455
-37.5	0	7	21	45	315	672	860	1065	1224	1356
-42.5	0	7	19	40	219	584	786	981	1150	1303
-47.5	0	7	17	34	127	444	669	857	1030	1193
-55.0	0	6	14	26	51	204	370	529	666	787
-65.0	0	5	10	18	28	43	80	162	252	313
-75.0	0	3	8	13	18	20	24	27	30	34
-85.0	0	1	4	12	19	22	23	25	26	26
-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	27	27	27	28	28	27	27	27	26	26
75.0	38	40	42	44	45	46	46	47	47	48
65.0	357	397	450	488	515	539	562	582	601	618
55.0	903	999	1090	1160	1215	1266	1309	1346	1379	1408
47.5	1328	1404	1503	1566	1603	1644	1686	1713	1743	1773
42.5	1403	1486	1555	1599	1634	1668	1698	1715	1725	1733
37.5	1463	1545	1650	1733	1782	1837	1876	1901	1906	1898
33.0	1640	1839	2040	2216	2333	2419	2534	2623	2683	2721
29.0	1988	2349	2778	3158	3432	3816	4102	4310	4509	4698
25.5	2411	3057	3869	4627	5381	6094	6627	7213	7605	7906
22.5	2920	3951	5357	6779	8167	9353	10326	11601	12600	13397
19.5	3557	5054	7276	9534	11685	14082 *	16217 *	19055 *	21322 *	23066 *
17.0	4056	6088	8870	12204	15149 *	19616 *	23659 *	28712 *	33296 *	37202 *
15.0	4522	6849	10185	14108 *	19594 *	25258 *	32634 *	38956 *	46948 *	53927 *
13.0	4910	7519	11517	17228 *	23745 *	33479 *	43412 *	54650 *	64069 *	73624 *
11.0	5246	8030	12843	19765 *	29977 *	42038 *	56600 *	70778 *	84082 *	94449 *
9.0	5623	8850	14678 *	23996 *	35271 *	51667 *	68979 *	86676 *	100535 *	112717 *
7.0	5876	9411	16190 *	27840 *	42242 *	60068 *	80178 *	98002 *	113588 *	122606 *
5.0	6052	9786	17220 *	30716 *	47926 *	67601 *	87876 *	106522 *	119153 *	128472 *
3.0	6084	9928	18601 *	33192 *	51456 *	72552 *	92771 *	110268 *	122883 *	130025 *
1.0	6050	9907	19103 *	34269 *	52933 *	74390 *	94731 *	111275 *	123009 *	130534 *
0.0	6004	9789	18907 *	33936 *	52120 *	73757 *	94572 *	111509 *	123263 *	130281 *
-1.0	6050	9907	19103 *	34269 *	52933 *	74390 *	94731 *	111275 *	123009 *	130534 *
-3.0	6084	9928	18601 *	33192 *	51456 *	72552 *	92771 *	110268 *	122883 *	130025 *
-5.0	6052	9786	17220 *	30716 *	47926 *	67601 *	87876 *	106522 *	119153 *	128472 *
-7.0	5876	9411	16190 *	27840 *	42242 *	60068 *	80178 *	98002 *	113588 *	122606 *
-9.0	5623	8850	14678 *	23996 *	35271 *	51667 *	68979 *	86676 *	100535 *	112717 *
-11.0	5246	8030	12843	19765 *	29977 *	42038 *	56600 *	70778 *	84082 *	94449 *
-13.0	4910	7519	11517	17228 *	23745 *	33479 *	43412 *	54650 *	64069 *	73624 *
-15.0	4522	6849	10185	14108 *	19594 *	25258 *	32634 *	38956 *	46948 *	53927 *
-17.0	4056	6088	8870	12204	15149 *	19616 *	23659 *	28712 *	33296 *	37202 *
-19.5	3557	5054	7276	9534	11685	14082 *	16217 *	19055 *	21322 *	23066 *
-22.5	2920	3951	5357	6779	8167	9353	10326	11601	12600	13397
-25.5	2411	3057	3869	4627	5381	6094	6627	7213	7605	7906
-29.0	1988	2349	2778	3158	3432	3816	4102	4310	4509	4698
-33.0	1640	1839	2040	2216	2333	2419	2534	2623	2683	2721
-37.5	1463	1545	1650	1733	1782	1837	1876	1901	1906	1898
-42.5	1403	1486	1555	1599	1634	1668	1698	1715	1725	1733
-47.5	1328	1404	1503	1566	1603	1644	1686	1713	1743	1773
-55.0	903	999	1090	1160	1215	1266	1309	1346	1379	1408
-65.0	357	397	450	488	515	539	562	582	601	618
-75.0	38	40	42	44	45	46	46	47	47	48
-85.0	27	27	27	28	28	27	27	27	26	26
-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	26	25	25	25	26	26	26	27	27	27
75.0	48	48	48	48	48	48	47	47	46	46
65.0	631	636	638	636	631	618	601	582	562	539

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CANDELA TABULATION - (Cont.)

55.0	1426	1423	1422	1423	1426	1408	1379	1346	1309	1266
47.5	1802	1801	1800	1801	1802	1773	1743	1713	1686	1644
42.5	1738	1736	1735	1736	1738	1733	1725	1715	1698	1668
37.5	1880	1883	1881	1883	1880	1898	1906	1901	1876	1837
33.0	2730	2734	2729	2734	2730	2721	2683	2623	2534	2419
29.0	4787	4812	4796	4812	4787	4698	4509	4310	4102	3816
25.5	8069	8102	8072	8102	8069	7906	7605	7213	6627	6094
22.5	13967 *	14107 *	13900 *	14107 *	13967 *	13397	12600	11601	10326	9353
19.5	24891 *	25667 *	25474 *	25667 *	24891 *	23066 *	21322 *	19055 *	16217 *	14082 *
17.0	40410 *	41941 *	41677 *	41941 *	40410 *	37202 *	33296 *	28712 *	23659 *	19616 *
15.0	58634 *	60721 *	60003 *	60721 *	58634 *	53927 *	46948 *	38956 *	32634 *	25258 *
13.0	80748 *	83750 *	83410 *	83750 *	80748 *	73624 *	64069 *	54650 *	43412 *	33479 *
11.0	101815 *	105246 *	105039 *	105246 *	101815 *	94449 *	84082 *	70778 *	56600 *	42038 *
9.0	119257 *	121803 *	121752 *	121803 *	119257 *	112717 *	100535 *	86676 *	68979 *	51667 *
7.0	129954 *	132179 *	132356 *	132179 *	129954 *	122606 *	113588 *	98002 *	80178 *	60068 *
5.0	133613 *	137071 *	137600 *	137071 *	133613 *	128472 *	119153 *	106522 *	87876 *	67601 *
3.0	134727 *	137465 *	137972 *	137465 *	134727 *	130025 *	122883 *	110268 *	92771 *	72552 *
1.0	134653 *	136719 *	137259 *	136719 *	134653 *	130534 *	123009 *	111275 *	94731 *	74390 *
0.0	134507 *	136258 *	136721 *	136258 *	134507 *	130281 *	123263 *	111509 *	94572 *	73757 *
-1.0	134653 *	136719 *	137259 *	136719 *	134653 *	130534 *	123009 *	111275 *	94731 *	74390 *
-3.0	134727 *	137465 *	137972 *	137465 *	134727 *	130025 *	122883 *	110268 *	92771 *	72552 *
-5.0	133613 *	137071 *	137600 *	137071 *	133613 *	128472 *	119153 *	106522 *	87876 *	67601 *
-7.0	129954 *	132179 *	132356 *	132179 *	129954 *	122606 *	113588 *	98002 *	80178 *	60068 *
-9.0	119257 *	121803 *	121752 *	121803 *	119257 *	112717 *	100535 *	86676 *	68979 *	51667 *
-11.0	101815 *	105246 *	105039 *	105246 *	101815 *	94449 *	84082 *	70778 *	56600 *	42038 *
-13.0	80748 *	83750 *	83410 *	83750 *	80748 *	73624 *	64069 *	54650 *	43412 *	33479 *
-15.0	58634 *	60721 *	60003 *	60721 *	58634 *	53927 *	46948 *	38956 *	32634 *	25258 *
-17.0	40410 *	41941 *	41677 *	41941 *	40410 *	37202 *	33296 *	28712 *	23659 *	19616 *
-19.5	24891 *	25667 *	25474 *	25667 *	24891 *	23066 *	21322 *	19055 *	16217 *	14082 *
-22.5	13967 *	14107 *	13900 *	14107 *	13967 *	13397	12600	11601	10326	9353
-25.5	8069	8102	8072	8102	8069	7906	7605	7213	6627	6094
-29.0	4787	4812	4796	4812	4787	4698	4509	4310	4102	3816
-33.0	2730	2734	2729	2734	2730	2721	2683	2623	2534	2419
-37.5	1880	1883	1881	1883	1880	1898	1906	1901	1876	1837
-42.5	1738	1736	1735	1736	1738	1733	1725	1715	1698	1668
-47.5	1802	1801	1800	1801	1802	1773	1743	1713	1686	1644
-55.0	1426	1423	1422	1423	1426	1408	1379	1346	1309	1266
-65.0	631	636	638	636	631	618	601	582	562	539
-75.0	48	48	48	48	48	48	47	47	46	46
-85.0	26	25	25	25	26	26	26	27	27	27
-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	28	28	27	27	27	26	26	25	23	22
75.0	45	44	42	40	38	34	30	27	24	20
65.0	515	488	450	397	357	313	252	162	80	43
55.0	1215	1160	1090	999	903	787	666	529	370	204
47.5	1603	1566	1503	1404	1328	1193	1030	857	669	444
42.5	1634	1599	1555	1486	1403	1303	1150	981	786	584
37.5	1782	1733	1650	1545	1463	1356	1224	1065	860	672
33.0	2333	2216	2040	1839	1640	1455	1292	1129	926	728
29.0	3432	3158	2778	2349	1988	1643	1381	1176	972	773
25.5	5381	4627	3869	3057	2411	1890	1502	1223	1002	809

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CANDELA TABULATION - (Cont.)

22.5	8167	6779	5357	3951	2920	2155	1619	1264	1029	833
19.5	11685	9534	7276	5054	3557	2425	1730	1318	1054	848
17.0	15149 *	12204	8870	6088	4056	2662	1837	1358	1070	855
15.0	19594 *	14108 *	10185	6849	4522	2814	1913	1380	1082	864
13.0	23745 *	17228 *	11517	7519	4910	3073	1968	1407	1092	871
11.0	29977 *	19765 *	12843	8030	5246	3267	2034	1431	1100	876
9.0	35271 *	23996 *	14678 *	8850	5623	3398	2105	1455	1103	878
7.0	42242 *	27840 *	16190 *	9411	5876	3544	2167	1472	1103	877
5.0	47926 *	30716 *	17220 *	9786	6052	3669	2204	1481	1099	876
3.0	51456 *	33192 *	18601 *	9928	6084	3715	2219	1487	1106	880
1.0	52933 *	34269 *	19103 *	9907	6050	3738	2233	1496	1105	877
0.0	52120 *	33936 *	18907 *	9789	6004	3725	2232	1495	1104	876
-1.0	52933 *	34269 *	19103 *	9907	6050	3738	2233	1496	1105	877
-3.0	51456 *	33192 *	18601 *	9928	6084	3715	2219	1487	1106	880
-5.0	47926 *	30716 *	17220 *	9786	6052	3669	2204	1481	1099	876
-7.0	42242 *	27840 *	16190 *	9411	5876	3544	2167	1472	1103	877
-9.0	35271 *	23996 *	14678 *	8850	5623	3398	2105	1455	1103	878
-11.0	29977 *	19765 *	12843	8030	5246	3267	2034	1431	1100	876
-13.0	23745 *	17228 *	11517	7519	4910	3073	1968	1407	1092	871
-15.0	19594 *	14108 *	10185	6849	4522	2814	1913	1380	1082	864
-17.0	15149 *	12204	8870	6088	4056	2662	1837	1358	1070	855
-19.5	11685	9534	7276	5054	3557	2425	1730	1318	1054	848
-22.5	8167	6779	5357	3951	2920	2155	1619	1264	1029	833
-25.5	5381	4627	3869	3057	2411	1890	1502	1223	1002	809
-29.0	3432	3158	2778	2349	1988	1643	1381	1176	972	773
-33.0	2333	2216	2040	1839	1640	1455	1292	1129	926	728
-37.5	1782	1733	1650	1545	1463	1356	1224	1065	860	672
-42.5	1634	1599	1555	1486	1403	1303	1150	981	786	584
-47.5	1603	1566	1503	1404	1328	1193	1030	857	669	444
-55.0	1215	1160	1090	999	903	787	666	529	370	204
-65.0	515	488	450	397	357	313	252	162	80	43
-75.0	45	44	42	40	38	34	30	27	24	20
-85.0	28	28	27	27	27	26	26	25	23	22
-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	19	12	4	1	0
75.0	18	13	8	3	0
65.0	28	18	10	5	0
55.0	51	26	14	6	0
47.5	127	34	17	7	0
42.5	219	40	19	7	0
37.5	315	45	21	7	0
33.0	391	51	22	7	0
29.0	453	55	24	7	0
25.5	498	58	25	8	0
22.5	532	74	26	8	0
19.5	562	89	27	8	0
17.0	580	100	27	8	0
15.0	591	107	28	8	0
13.0	600	113	28	8	0
11.0	606	117	28	8	0
9.0	610	122	28	8	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

CANDELA TABULATION - (Cont.)

7.0	612	126	29	8	0
5.0	615	129	29	8	0
3.0	617	132	29	8	0
1.0	614	132	29	8	0
0.0	612	132	29	8	0
-1.0	614	132	29	8	0
-3.0	617	132	29	8	0
-5.0	615	129	29	8	0
-7.0	612	126	29	8	0
-9.0	610	122	28	8	0
-11.0	606	117	28	8	0
-13.0	600	113	28	8	0
-15.0	591	107	28	8	0
-17.0	580	100	27	8	0
-19.5	562	89	27	8	0
-22.5	532	74	26	8	0
-25.5	498	58	25	8	0
-29.0	453	55	24	7	0
-33.0	391	51	22	7	0
-37.5	315	45	21	7	0
-42.5	219	40	19	7	0
-47.5	127	34	17	7	0
-55.0	51	26	14	6	0
-65.0	28	18	10	5	0
-75.0	18	13	8	3	0
-85.0	19	12	4	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 18383.4

Total Field Lumens (one side of beam only) = 15007.51

* 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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
75	0.11	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.25
65	1.04	2.07	2.04	1.99	1.93	1.86	1.78	1.69	1.60	1.85
55	3.14	6.26	6.20	6.07	5.89	5.70	5.48	5.22	4.95	5.76
47.5	3.68	7.37	7.30	7.16	6.99	6.81	6.60	6.35	6.09	7.21
42.5	2.69	5.39	5.35	5.28	5.20	5.11	4.99	4.84	4.69	5.63
37.5	2.75	5.51	5.51	5.50	5.46	5.39	5.27	5.11	4.94	5.91
33	3.16	6.32	6.31	6.28	6.18	6.03	5.81	5.57	5.31	6.21
29	4.59	9.17	9.08	8.85	8.52	8.14	7.67	7.09	6.52	7.37
25.5	6.87	13.73	13.54	13.10	12.48	11.68	10.76	9.68	8.50	9.13
22.5	10.09	20.20	19.75	18.86	17.65	16.09	14.48	12.85	10.96	11.19
19.5	18.08 *	35.91 *	34.33 *	31.98 *	29.22 *	25.74 *	22.34	19.19	15.88	15.70
17	25.65 *	50.57 *	47.69 *	43.50 *	38.60 *	32.86 *	27.40 *	22.36 *	17.78	17.12
15	31.12 *	61.40 *	57.79 *	51.91 *	44.62 *	37.19 *	30.14 *	23.53 *	17.88 *	16.40
13	43.85 *	86.41 *	81.11 *	72.27 *	61.72 *	50.89 *	40.16 *	30.17 *	21.87 *	19.18
11	57.49 *	113.11 *	106.54 *	95.79 *	82.52 *	67.63 *	52.30 *	38.20 *	26.56 *	22.18 *
9	69.12 *	136.42 *	130.12 *	118.68 *	103.18 *	84.90 *	65.33 *	46.98 *	31.92 *	25.77 *
7	77.38 *	153.18 *	147.23 *	136.15 *	120.29 *	100.14 *	77.73 *	55.93 *	37.87 *	29.90 *
5	82.12 *	162.20 *	156.38 *	146.56 *	131.90 *	111.76 *	88.11 *	64.38 *	43.55 *	33.25 *
3	83.78 *	165.26 *	160.08 *	151.63 *	138.40 *	119.22 *	95.58 *	70.80 *	47.81 *	36.06 *
1	83.68 *	165.47 *	161.03 *	153.42 *	141.00 *	122.70 *	99.65 *	74.28 *	50.32 *	38.03 *
0	41.65 *	82.52 *	80.52 *	76.81 *	70.74 *	61.81 *	50.27 *	37.42 *	25.37 *	19.20 *
-1	41.65 *	82.52 *	80.52 *	76.81 *	70.74 *	61.81 *	50.27 *	37.42 *	25.37 *	19.20 *
	83.68 *	165.47 *	161.03 *	153.42 *	141.00 *	122.70 *	99.65 *	74.28 *	50.32 *	38.03 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

-3	83.78 *	165.26 *	160.08 *	151.63 *	138.40 *	119.22 *	95.58 *	70.80 *	47.81 *	36.06 *
-5	82.12 *	162.20 *	156.38 *	146.56 *	131.90 *	111.76 *	88.11 *	64.38 *	43.55 *	33.25 *
-7	77.38 *	153.18 *	147.23 *	136.15 *	120.29 *	100.14 *	77.73 *	55.93 *	37.87 *	29.90 *
-9	69.12 *	136.42 *	130.12 *	118.68 *	103.18 *	84.90 *	65.33 *	46.98 *	31.92 *	25.77 *
-11	57.49 *	113.11 *	106.54 *	95.79 *	82.52 *	67.63 *	52.30 *	38.20 *	26.56 *	22.18 *
-13	43.85 *	86.41 *	81.11 *	72.27 *	61.72 *	50.89 *	40.16 *	30.17 *	21.87 *	19.18
-15	31.12 *	61.40 *	57.79 *	51.91 *	44.62 *	37.19 *	30.14 *	23.53 *	17.88 *	16.40
-17	25.65 *	50.57 *	47.69 *	43.50 *	38.60 *	32.86 *	27.40 *	22.36 *	17.78	17.12
-19.5	18.08 *	35.91 *	34.33 *	31.98 *	29.22 *	25.74 *	22.34	19.19	15.88	15.70
-22.5	10.09	20.20	19.75	18.86	17.65	16.09	14.48	12.85	10.96	11.19
-25.5	6.87	13.73	13.54	13.10	12.48	11.68	10.76	9.68	8.50	9.13
-29	4.59	9.17	9.08	8.85	8.52	8.14	7.67	7.09	6.52	7.37
-33	3.16	6.32	6.31	6.28	6.18	6.03	5.81	5.57	5.31	6.21
-37.5	2.75	5.51	5.51	5.50	5.46	5.39	5.27	5.11	4.94	5.91
-42.5	2.69	5.39	5.35	5.28	5.20	5.11	4.99	4.84	4.69	5.63
-47.5	3.68	7.37	7.30	7.16	6.99	6.81	6.60	6.35	6.09	7.21
-55	3.14	6.26	6.20	6.07	5.89	5.70	5.48	5.22	4.95	5.76
-65	1.04	2.07	2.04	1.99	1.93	1.86	1.78	1.69	1.60	1.85
-75	0.11	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.25
-85	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
-90										
Total	1304.16	2577.45	2476.37	2304.16	2065.53	1763.83	1424.2	1083.82	781.22	666.78

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.07	0.06	0.02
85	0.29	0.28	0.30	0.30	0.30	0.29	0.24	0.28	0.24	0.10
75	1.98	1.74	1.76	1.64	1.32	0.85	0.45	0.39	0.29	0.13
65	6.26	5.54	5.59	5.27	4.50	3.33	1.88	1.16	0.47	0.18
55	7.99	7.25	7.48	7.20	6.47	5.30	3.41	2.21	0.68	0.18

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	6.34	5.87	6.19	6.10	5.62	4.80	3.34	2.45	0.80	0.14
42.5	6.65	6.15	6.54	6.57	6.18	5.38	3.91	3.20	1.18	0.16
37.5	6.79	6.09	6.31	6.26	5.93	5.22	3.86	3.39	1.37	0.16
33	7.68	6.52	6.37	6.03	5.57	4.90	3.66	3.35	1.45	0.16
29	9.00	7.16	6.58	5.86	5.17	4.46	3.35	3.17	1.42	0.15
25.5	10.39	7.72	6.66	5.61	4.71	3.95	2.97	2.86	1.33	0.14
22.5	13.84	9.69	7.86	6.21	4.98	4.08	3.04	2.97	1.43	0.17
19.5	14.55	9.78	7.52	5.65	4.37	3.50	2.58	2.54	1.27	0.16
17	13.65	8.98	6.66	4.82	3.63	2.85	2.08	2.06	1.05	0.14
15	15.38	9.93	7.26	5.10	3.73	2.89	2.10	2.09	1.07	0.14
13	17.02	10.73	7.82	5.40	3.83	2.93	2.12	2.11	1.09	0.15
11	18.94	11.58	8.31	5.64	3.93	2.97	2.13	2.12	1.11	0.15
9	20.95	12.42	8.74	5.85	4.03	2.99	2.13	2.13	1.12	0.16
7	22.44	12.99	9.07	6.05	4.10	3.01	2.13	2.13	1.13	0.16
5	23.69 *	13.29	9.25	6.16	4.14	3.02	2.13	2.13	1.14	0.17
3	24.54 *	13.34	9.28	6.22	4.16	3.03	2.14	2.13	1.14	0.17
1	12.31 *	6.63	4.62	3.11	2.09	1.52	1.07	1.06	0.57	0.08
0	12.31 *	6.63	4.62	3.11	2.09	1.52	1.07	1.06	0.57	0.08
-1	24.54 *	13.34	9.28	6.22	4.16	3.03	2.14	2.13	1.14	0.17
-3	23.69 *	13.29	9.25	6.16	4.14	3.02	2.13	2.13	1.14	0.17
-5	22.44	12.99	9.07	6.05	4.10	3.01	2.13	2.13	1.13	0.16
-7	20.95	12.42	8.74	5.85	4.03	2.99	2.13	2.13	1.12	0.16
-9	18.94	11.58	8.31	5.64	3.93	2.97	2.13	2.12	1.11	0.15
-11	17.02	10.73	7.82	5.40	3.83	2.93	2.12	2.11	1.09	0.15
-13	15.38	9.93	7.26	5.10	3.73	2.89	2.10	2.09	1.07	0.14
-15	13.65	8.98	6.66	4.82	3.63	2.85	2.08	2.06	1.05	0.14
-17	14.55	9.78	7.52	5.65	4.37	3.50	2.58	2.54	1.27	0.16
-19.5	13.84	9.69	7.86	6.21	4.98	4.08	3.04	2.97	1.43	0.17

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

-22.5	10.39	7.72	6.66	5.61	4.71	3.95	2.97	2.86	1.33	0.14
-25.5	9.00	7.16	6.58	5.86	5.17	4.46	3.35	3.17	1.42	0.15
-29	7.68	6.52	6.37	6.03	5.57	4.90	3.66	3.35	1.45	0.16
-33	6.79	6.09	6.31	6.26	5.93	5.22	3.86	3.39	1.37	0.16
-37.5	6.65	6.15	6.54	6.57	6.18	5.38	3.91	3.20	1.18	0.16
-42.5	6.34	5.87	6.19	6.10	5.62	4.80	3.34	2.45	0.80	0.14
-47.5	7.99	7.25	7.48	7.20	6.47	5.30	3.41	2.21	0.68	0.18
-55	6.26	5.54	5.59	5.27	4.50	3.33	1.88	1.16	0.47	0.18
-65	1.98	1.74	1.76	1.64	1.32	0.85	0.45	0.39	0.29	0.13
-75	0.29	0.28	0.30	0.30	0.30	0.29	0.24	0.28	0.24	0.10
-85	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.07	0.06	0.02
-90	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.07	0.06	0.02
Total	521.48	347.52	280.47	222.24	177.64	142.71	101.52	92.07	42.75	6.33

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.99
85			
	0.02	0.00	4.76
75			
	0.03	0.00	28.44
65			
	0.05	0.00	88.90
55			
	0.04	0.00	113.77
47.5			
	0.03	0.00	90.86
42.5			
	0.04	0.00	97.32
37.5			
	0.03	0.00	102.60
33			
	0.03	0.00	122.74
29			
	0.03	0.00	155.83
25.5			
	0.03	0.00	198.52
22.5			
	0.03	0.00	302.68
19.5			
	0.02	0.00	375.49
17			
	0.02	0.00	417.92

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

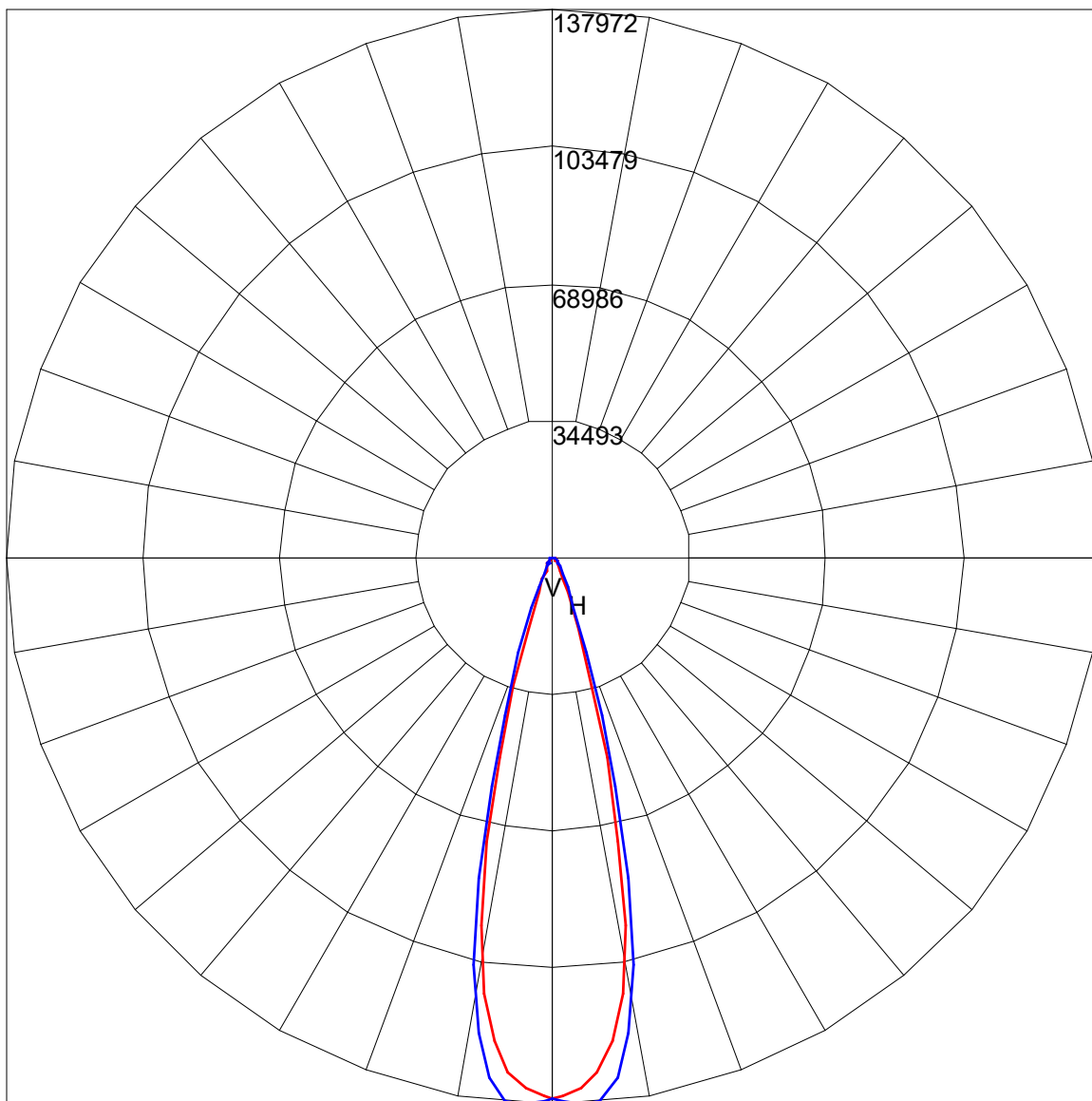
15	0.02	0.00	557.35
13	0.02	0.00	715.54
11	0.02	0.00	869.34
9	0.02	0.00	996.37
7	0.02	0.00	1083.44
5	0.02	0.00	1133.76
3	0.02	0.00	1155.73
1	0.01	0.00	579.36
0	0.01	0.00	579.36
-1	0.02	0.00	1155.73
-3	0.02	0.00	1133.76
-5	0.02	0.00	1083.44
-7	0.02	0.00	996.37
-9	0.02	0.00	869.34
-11	0.02	0.00	715.54
-13	0.02	0.00	557.35
-15	0.02	0.00	417.92
-17	0.02	0.00	375.49
-19.5	0.03	0.00	302.68
-22.5	0.03	0.00	198.52
-25.5	0.03	0.00	155.83
-29	0.03	0.00	122.74
-33	0.03	0.00	102.60
-37.5	0.04	0.00	97.32
-42.5	0.03	0.00	90.86
-47.5	0.04	0.00	113.77
-55	0.05	0.00	88.90
-65	0.03	0.00	28.44

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-NF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

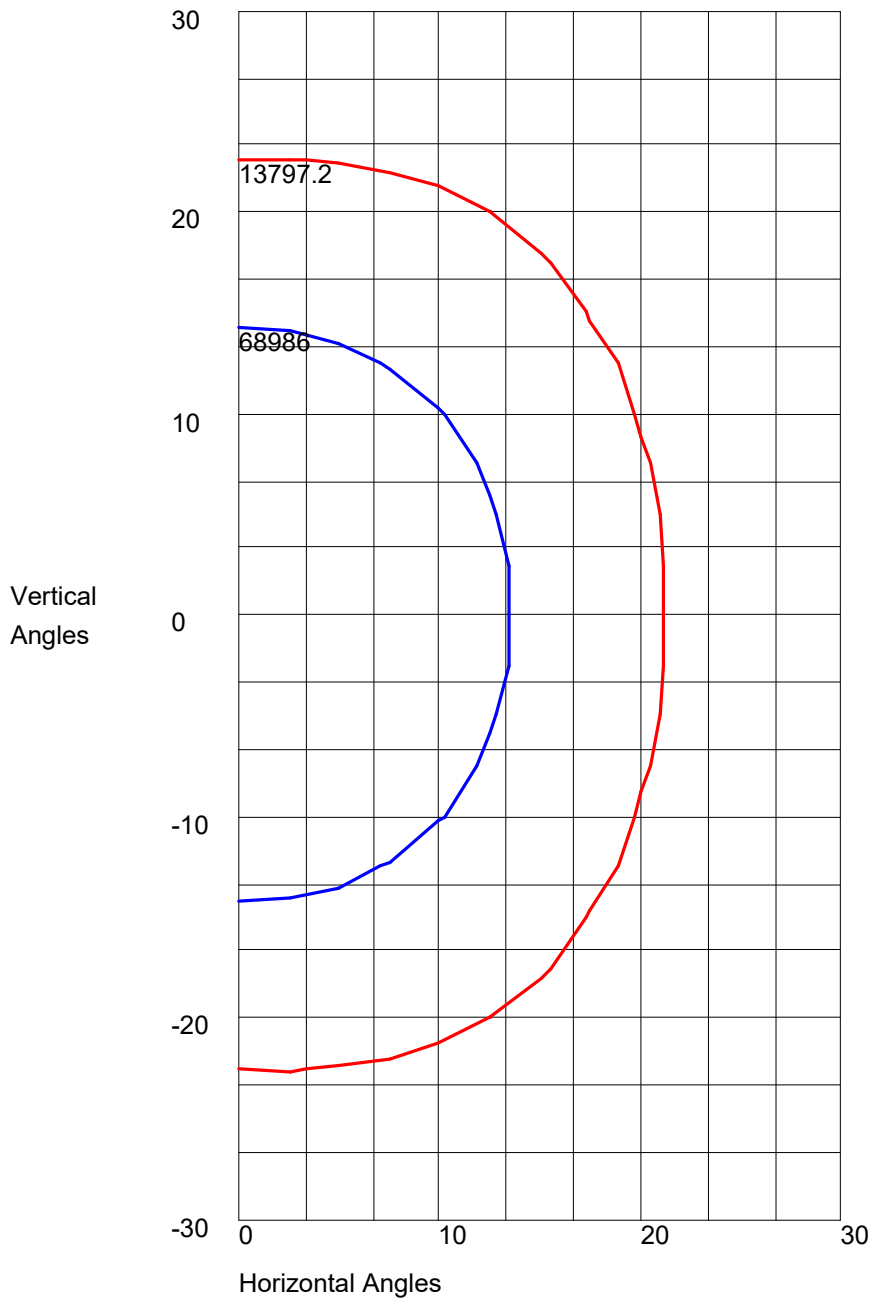
-75	0.02	0.00	4.76
-85	0.00	0.00	0.99
-90			
Total	1.11	0.03	18383.39

AXIAL CANDELA DISPLAY



Maximum Candela = 137972 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 137972 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 68986
10% Maximum Candela = 13797.2