



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12451
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/20/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-NF-50-80
[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 4 V
Maximum Candela	70776
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.3
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	45.5
Vertical Field Angle (10%)	46.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	6069
Beam Efficiency	N.A.
Field Lumens	12463
Field Efficiency	N.A.
Spill Lumens	4567
Luminaire Lumens	17030
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	81	85	102
75	238	75	290
65	399	65	437
55	580	55	647
47.5	772	47.5	782
42.5	886	42.5	964
37.5	1154	37.5	1084
33	1767	33	1888
29	2967	29	3161
25.5	4760	25.5	5084
22.5	7300	22.5	7806
19.5	11265	19.5	12049
17	16141	17	16797
15	21059	15	21627
13	27817	13	28294
11	35990	11	36137
9	45146	9	44792
7	54720	7	53892
5	64014	5	63064
3	69486	3	68757
1	70776	1	70506
0	70724	0	70724
-1	70776	-1	70506
-3	69486	-3	68757
-5	64014	-5	63064
-7	54720	-7	53892
-9	45146	-9	44792
-11	35990	-11	36137
-13	27817	-13	28294
-15	21059	-15	21627
-17	16141	-17	16797
-19.5	11265	-19.5	12049
-22.5	7300	-22.5	7806
-25.5	4760	-25.5	5084
-29	2967	-29	3161
-33	1767	-33	1888
-37.5	1154	-37.5	1084
-42.5	886	-42.5	964
-47.5	772	-47.5	782
-55	580	-55	647
-65	399	-65	437
-75	238	-75	290
-85	81	-85	102
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 70776

Beam Edge = 35388 Cd (50% of Max.)

Field Edge = 7077.6 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	8	26	49	66	78	84	88	94	100
75.0	0	23	71	135	181	207	222	239	251	258
65.0	0	37	107	191	257	307	341	365	382	393
55.0	0	49	136	222	316	384	421	458	490	517
47.5	0	57	156	253	363	445	501	561	607	652
42.5	0	61	168	275	398	496	567	633	700	756
37.5	0	65	180	298	434	550	629	717	801	860
33.0	0	69	190	318	465	592	686	786	877	958
29.0	0	71	199	335	490	630	739	842	952	1066
25.5	0	73	207	351	511	660	776	892	1024	1226
22.5	0	75	212	360	527	688	804	931	1113	1436
19.5	0	76	218	370	540	712	828	974	1211	1652
17.0	0	77	222	377	550	729	843	1000	1308	1875
15.0	0	78	225	382	557	739	856	1012	1382	2047
13.0	0	79	228	386	563	747	867	1045	1443	2231
11.0	0	81	230	390	568	754	875	1076	1528	2402
9.0	0	81	232	393	573	759	879	1103	1612	2556
7.0	0	81	234	395	576	763	881	1121	1676	2703
5.0	0	81	236	397	579	766	880	1130	1717	2826
3.0	0	81	237	399	581	771	885	1138	1739	2899
1.0	0	81	238	399	580	772	886	1151	1761	2955
0.0	0	81	238	399	580	772	886	1154	1767	2967
-1.0	0	81	238	399	580	772	886	1151	1761	2955
-3.0	0	81	237	399	581	771	885	1138	1739	2899
-5.0	0	81	236	397	579	766	880	1130	1717	2826
-7.0	0	81	234	395	576	763	881	1121	1676	2703
-9.0	0	81	232	393	573	759	879	1103	1612	2556
-11.0	0	81	230	390	568	754	875	1076	1528	2402
-13.0	0	79	228	386	563	747	867	1045	1443	2231
-15.0	0	78	225	382	557	739	856	1012	1382	2047
-17.0	0	77	222	377	550	729	843	1000	1308	1875
-19.5	0	76	218	370	540	712	828	974	1211	1652
-22.5	0	75	212	360	527	688	804	931	1113	1436
-25.5	0	73	207	351	511	660	776	892	1024	1226
-29.0	0	71	199	335	490	630	739	842	952	1066
-33.0	0	69	190	318	465	592	686	786	877	958
-37.5	0	65	180	298	434	550	629	717	801	860
-42.5	0	61	168	275	398	496	567	633	700	756
-47.5	0	57	156	253	363	445	501	561	607	652
-55.0	0	49	136	222	316	384	421	458	490	517
-65.0	0	37	107	191	257	307	341	365	382	393
-75.0	0	23	71	135	181	207	222	239	251	258
-85.0	0	8	26	49	66	78	84	88	94	100
-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	105	106	105	104	103	103	104	102	101	100
75.0	262	263	264	265	265	268	272	275	279	283
65.0	405	412	417	421	424	427	431	433	435	436
55.0	543	561	579	594	606	617	625	631	638	643
47.5	685	712	736	751	762	770	777	782	785	784
42.5	789	821	850	870	883	897	911	923	933	944
37.5	898	931	964	984	997	1033	1052	1060	1075	1080
33.0	1036	1131	1233	1341	1430	1506	1598	1688	1759	1810
29.0	1219	1415	1645	1867	2056	2286	2477	2645	2817	2965
25.5	1494	1839	2255	2648	3034	3416	3745	4160	4511	4781
22.5	1862	2372	3030	3693	4317	4959	5565	6285	6881	7347 *
19.5	2289	3009	4010	5053	6021	7113 *	8137 *	9266 *	10235 *	11017 *
17.0	2630	3627	4972	6466	7770 *	9346 *	10779 *	12474 *	13924 *	15153 *
15.0	2971	4187	5836	7645 *	9522 *	11394 *	13644 *	15607 *	17744 *	19659 *
13.0	3321	4782	6814	9140 *	11299 *	13978 *	16806 *	19806 *	22425 *	25173 *
11.0	3635	5343	7767 *	10528 *	13378 *	16632 *	20412 *	24445 *	28212 *	31593 *
9.0	3999	5965	8841 *	12131 *	15282 *	19511 *	24304 *	29459 *	34662 *	39106 *
7.0	4300	6468	9721 *	13581 *	17528 *	22232 *	28049 *	34615 *	41010 *	46922 *
5.0	4522	6877	10395 *	14768 *	19303 *	24939 *	31589 *	39339 *	47365 *	54197 *
3.0	4660	7173 *	10983 *	15696 *	20534 *	26889 *	34599 *	43252 *	52230 *	60234 *
1.0	4744	7322 *	11269 *	16174 *	21231 *	27932 *	36243 *	45451 *	54915 *	64163 *
0.0	4760	7300 *	11265 *	16141 *	21059 *	27817 *	35990 *	45146 *	54720 *	64014 *
-1.0	4744	7322 *	11269 *	16174 *	21231 *	27932 *	36243 *	45451 *	54915 *	64163 *
-3.0	4660	7173 *	10983 *	15696 *	20534 *	26889 *	34599 *	43252 *	52230 *	60234 *
-5.0	4522	6877	10395 *	14768 *	19303 *	24939 *	31589 *	39339 *	47365 *	54197 *
-7.0	4300	6468	9721 *	13581 *	17528 *	22232 *	28049 *	34615 *	41010 *	46922 *
-9.0	3999	5965	8841 *	12131 *	15282 *	19511 *	24304 *	29459 *	34662 *	39106 *
-11.0	3635	5343	7767 *	10528 *	13378 *	16632 *	20412 *	24445 *	28212 *	31593 *
-13.0	3321	4782	6814	9140 *	11299 *	13978 *	16806 *	19806 *	22425 *	25173 *
-15.0	2971	4187	5836	7645 *	9522 *	11394 *	13644 *	15607 *	17744 *	19659 *
-17.0	2630	3627	4972	6466	7770 *	9346 *	10779 *	12474 *	13924 *	15153 *
-19.5	2289	3009	4010	5053	6021	7113 *	8137 *	9266 *	10235 *	11017 *
-22.5	1862	2372	3030	3693	4317	4959	5565	6285	6881	7347 *
-25.5	1494	1839	2255	2648	3034	3416	3745	4160	4511	4781
-29.0	1219	1415	1645	1867	2056	2286	2477	2645	2817	2965
-33.0	1036	1131	1233	1341	1430	1506	1598	1688	1759	1810
-37.5	898	931	964	984	997	1033	1052	1060	1075	1080
-42.5	789	821	850	870	883	897	911	923	933	944
-47.5	685	712	736	751	762	770	777	782	785	784
-55.0	543	561	579	594	606	617	625	631	638	643
-65.0	405	412	417	421	424	427	431	433	435	436
-75.0	262	263	264	265	265	268	272	275	279	283
-85.0	105	106	105	104	103	103	104	102	101	100
-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	101	102	102	102	101	100	101	102	104	103
75.0	286	289	290	289	286	283	279	275	272	268
65.0	437	437	437	437	437	436	435	433	431	427

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CANDELA TABULATION - (Cont.)

55.0	648	647	647	647	648	643	638	631	625	617
47.5	784	783	782	783	784	784	785	782	777	770
42.5	957	962	964	962	957	944	933	923	911	897
37.5	1079	1084	1084	1084	1079	1080	1075	1060	1052	1033
33.0	1841	1877	1888	1877	1841	1810	1759	1688	1598	1506
29.0	3065	3139	3161	3139	3065	2965	2817	2645	2477	2286
25.5	4959	5062	5084	5062	4959	4781	4511	4160	3745	3416
22.5	7657 *	7821 *	7806 *	7821 *	7657 *	7347 *	6881	6285	5565	4959
19.5	11712 *	12068 *	12049 *	12068 *	11712 *	11017 *	10235 *	9266 *	8137 *	7113 *
17.0	16256 *	16871 *	16797 *	16871 *	16256 *	15153 *	13924 *	12474 *	10779 *	9346 *
15.0	21063 *	21857 *	21627 *	21857 *	21063 *	19659 *	17744 *	15607 *	13644 *	11394 *
13.0	27290 *	28454 *	28294 *	28454 *	27290 *	25173 *	22425 *	19806 *	16806 *	13978 *
11.0	34536 *	36306 *	36137 *	36306 *	34536 *	31593 *	28212 *	24445 *	20412 *	16632 *
9.0	42605 *	44879 *	44792 *	44879 *	42605 *	39106 *	34662 *	29459 *	24304 *	19511 *
7.0	51137 *	53772 *	53892 *	53772 *	51137 *	46922 *	41010 *	34615 *	28049 *	22232 *
5.0	59369 *	62881 *	63064 *	62881 *	59369 *	54197 *	47365 *	39339 *	31589 *	24939 *
3.0	65539 *	68185 *	68757 *	68185 *	65539 *	60234 *	52230 *	43252 *	34599 *	26889 *
1.0	69242 *	70574 *	70506 *	70574 *	69242 *	64163 *	54915 *	45451 *	36243 *	27932 *
0.0	69486 *	70776 *	70724 *	70776 *	69486 *	64014 *	54720 *	45146 *	35990 *	27817 *
-1.0	69242 *	70574 *	70506 *	70574 *	69242 *	64163 *	54915 *	45451 *	36243 *	27932 *
-3.0	65539 *	68185 *	68757 *	68185 *	65539 *	60234 *	52230 *	43252 *	34599 *	26889 *
-5.0	59369 *	62881 *	63064 *	62881 *	59369 *	54197 *	47365 *	39339 *	31589 *	24939 *
-7.0	51137 *	53772 *	53892 *	53772 *	51137 *	46922 *	41010 *	34615 *	28049 *	22232 *
-9.0	42605 *	44879 *	44792 *	44879 *	42605 *	39106 *	34662 *	29459 *	24304 *	19511 *
-11.0	34536 *	36306 *	36137 *	36306 *	34536 *	31593 *	28212 *	24445 *	20412 *	16632 *
-13.0	27290 *	28454 *	28294 *	28454 *	27290 *	25173 *	22425 *	19806 *	16806 *	13978 *
-15.0	21063 *	21857 *	21627 *	21857 *	21063 *	19659 *	17744 *	15607 *	13644 *	11394 *
-17.0	16256 *	16871 *	16797 *	16871 *	16256 *	15153 *	13924 *	12474 *	10779 *	9346 *
-19.5	11712 *	12068 *	12049 *	12068 *	11712 *	11017 *	10235 *	9266 *	8137 *	7113 *
-22.5	7657 *	7821 *	7806 *	7821 *	7657 *	7347 *	6881	6285	5565	4959
-25.5	4959	5062	5084	5062	4959	4781	4511	4160	3745	3416
-29.0	3065	3139	3161	3139	3065	2965	2817	2645	2477	2286
-33.0	1841	1877	1888	1877	1841	1810	1759	1688	1598	1506
-37.5	1079	1084	1084	1084	1079	1080	1075	1060	1052	1033
-42.5	957	962	964	962	957	944	933	923	911	897
-47.5	784	783	782	783	784	784	785	782	777	770
-55.0	648	647	647	647	648	643	638	631	625	617
-65.0	437	437	437	437	437	436	435	433	431	427
-75.0	286	289	290	289	286	283	279	275	272	268
-85.0	101	102	102	102	101	100	101	102	104	103
-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	103	104	105	106	105	100	94	88	84	78
75.0	265	265	264	263	262	258	251	239	222	207
65.0	424	421	417	412	405	393	382	365	341	307
55.0	606	594	579	561	543	517	490	458	421	384
47.5	762	751	736	712	685	652	607	561	501	445
42.5	883	870	850	821	789	756	700	633	567	496
37.5	997	984	964	931	898	860	801	717	629	550
33.0	1430	1341	1233	1131	1036	958	877	786	686	592
29.0	2056	1867	1645	1415	1219	1066	952	842	739	630
25.5	3034	2648	2255	1839	1494	1226	1024	892	776	660

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CANDELA TABULATION - (Cont.)

22.5	4317	3693	3030	2372	1862	1436	1113	931	804	688
19.5	6021	5053	4010	3009	2289	1652	1211	974	828	712
17.0	7770 *	6466	4972	3627	2630	1875	1308	1000	843	729
15.0	9522 *	7645 *	5836	4187	2971	2047	1382	1012	856	739
13.0	11299 *	9140 *	6814	4782	3321	2231	1443	1045	867	747
11.0	13378 *	10528 *	7767 *	5343	3635	2402	1528	1076	875	754
9.0	15282 *	12131 *	8841 *	5965	3999	2556	1612	1103	879	759
7.0	17528 *	13581 *	9721 *	6468	4300	2703	1676	1121	881	763
5.0	19303 *	14768 *	10395 *	6877	4522	2826	1717	1130	880	766
3.0	20534 *	15696 *	10983 *	7173 *	4660	2899	1739	1138	885	771
1.0	21231 *	16174 *	11269 *	7322 *	4744	2955	1761	1151	886	772
0.0	21059 *	16141 *	11265 *	7300 *	4760	2967	1767	1154	886	772
-1.0	21231 *	16174 *	11269 *	7322 *	4744	2955	1761	1151	886	772
-3.0	20534 *	15696 *	10983 *	7173 *	4660	2899	1739	1138	885	771
-5.0	19303 *	14768 *	10395 *	6877	4522	2826	1717	1130	880	766
-7.0	17528 *	13581 *	9721 *	6468	4300	2703	1676	1121	881	763
-9.0	15282 *	12131 *	8841 *	5965	3999	2556	1612	1103	879	759
-11.0	13378 *	10528 *	7767 *	5343	3635	2402	1528	1076	875	754
-13.0	11299 *	9140 *	6814	4782	3321	2231	1443	1045	867	747
-15.0	9522 *	7645 *	5836	4187	2971	2047	1382	1012	856	739
-17.0	7770 *	6466	4972	3627	2630	1875	1308	1000	843	729
-19.5	6021	5053	4010	3009	2289	1652	1211	974	828	712
-22.5	4317	3693	3030	2372	1862	1436	1113	931	804	688
-25.5	3034	2648	2255	1839	1494	1226	1024	892	776	660
-29.0	2056	1867	1645	1415	1219	1066	952	842	739	630
-33.0	1430	1341	1233	1131	1036	958	877	786	686	592
-37.5	997	984	964	931	898	860	801	717	629	550
-42.5	883	870	850	821	789	756	700	633	567	496
-47.5	762	751	736	712	685	652	607	561	501	445
-55.0	606	594	579	561	543	517	490	458	421	384
-65.0	424	421	417	412	405	393	382	365	341	307
-75.0	265	265	264	263	262	258	251	239	222	207
-85.0	103	104	105	106	105	100	94	88	84	78
-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	66	49	26	8	0
75.0	181	135	71	23	0
65.0	257	191	107	37	0
55.0	316	222	136	49	0
47.5	363	253	156	57	0
42.5	398	275	168	61	0
37.5	434	298	180	65	0
33.0	465	318	190	69	0
29.0	490	335	199	71	0
25.5	511	351	207	73	0
22.5	527	360	212	75	0
19.5	540	370	218	76	0
17.0	550	377	222	77	0
15.0	557	382	225	78	0
13.0	563	386	228	79	0
11.0	568	390	230	81	0
9.0	573	393	232	81	0

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CANDELA TABULATION - (Cont.)

7.0	576	395	234	81	0
5.0	579	397	236	81	0
3.0	581	399	237	81	0
1.0	580	399	238	81	0
0.0	580	399	238	81	0
-1.0	580	399	238	81	0
-3.0	581	399	237	81	0
-5.0	579	397	236	81	0
-7.0	576	395	234	81	0
-9.0	573	393	232	81	0
-11.0	568	390	230	81	0
-13.0	563	386	228	79	0
-15.0	557	382	225	78	0
-17.0	550	377	222	77	0
-19.5	540	370	218	76	0
-22.5	527	360	212	75	0
-25.5	511	351	207	73	0
-29.0	490	335	199	71	0
-33.0	465	318	190	69	0
-37.5	434	298	180	65	0
-42.5	398	275	168	61	0
-47.5	363	253	156	57	0
-55.0	316	222	136	49	0
-65.0	257	191	107	37	0
-75.0	181	135	71	23	0
-85.0	66	49	26	8	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8514.8

Total Field Lumens (one side of beam only) = 6231.37

* 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	0.08	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.19
75	0.60	1.18	1.17	1.16	1.14	1.13	1.11	1.09	1.08	1.33
65	1.11	2.21	2.19	2.17	2.14	2.12	2.08	2.05	2.01	2.47
55	1.65	3.30	3.29	3.26	3.22	3.18	3.13	3.06	2.99	3.64
47.5	1.63	3.27	3.26	3.24	3.21	3.17	3.12	3.05	2.98	3.61
42.5	1.33	2.65	2.64	2.61	2.58	2.54	2.50	2.45	2.39	2.90
37.5	1.56	3.11	3.08	3.05	3.01	2.96	2.90	2.82	2.73	3.32
33	2.03	4.03	3.97	3.90	3.79	3.64	3.48	3.30	3.13	3.68
29	3.07	6.04	5.88	5.67	5.37	5.04	4.69	4.30	3.92	4.40
25.5	4.38	8.64	8.39	7.99	7.46	6.84	6.22	5.58	4.92	5.32
22.5	5.89	11.64	11.28	10.69	9.88	8.89	7.90	6.97	6.01	6.31
19.5	9.08 *	17.93 *	17.20 *	16.12 *	14.78 *	13.16 *	11.52	9.94	8.38	8.56
17	11.00 *	21.65 *	20.56 *	19.06 *	17.31 *	15.24 *	13.17 *	11.18 *	9.26	9.27
15	11.75 *	23.15 *	21.92 *	20.14 *	18.02 *	15.75 *	13.46 *	11.24 *	9.19 *	9.01
13	15.27 *	30.03 *	28.32 *	25.75 *	22.80 *	19.76 *	16.63 *	13.65 *	11.01 *	10.64 *
11	19.68 *	38.53 *	36.04 *	32.54 *	28.62 *	24.44 *	20.21 *	16.34 *	12.98 *	12.38 *
9	24.69 *	48.20 *	44.92 *	40.46 *	35.22 *	29.58 *	24.09 *	19.15 *	15.03 *	14.20 *
7	30.05 *	58.57 *	54.62 *	48.98 *	42.15 *	34.93 *	28.04 *	22.03 *	17.14 *	16.01 *
5	35.58 *	69.15 *	64.30 *	57.40 *	48.96 *	40.07 *	31.82 *	24.83 *	19.08 *	17.52 *
3	40.04 *	77.92 *	72.73 *	64.84 *	54.95 *	44.63 *	35.16 *	27.09 *	20.58 *	18.75 *
1	42.34 *	83.27 *	78.75 *	70.14 *	59.08 *	47.86 *	37.44 *	28.55 *	21.56 *	19.57 *
0	21.52 *	42.63 *	40.55 *	36.02 *	30.20 *	24.42 *	19.07 *	14.49 *	10.92 *	9.92 *
-1	21.52 *	42.63 *	40.55 *	36.02 *	30.20 *	24.42 *	19.07 *	14.49 *	10.92 *	9.92 *
	42.34 *	83.27 *	78.75 *	70.14 *	59.08 *	47.86 *	37.44 *	28.55 *	21.56 *	19.57 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	40.04 *	77.92 *	72.73 *	64.84 *	54.95 *	44.63 *	35.16 *	27.09 *	20.58 *	18.75 *
-5	35.58 *	69.15 *	64.30 *	57.40 *	48.96 *	40.07 *	31.82 *	24.83 *	19.08 *	17.52 *
-7	30.05 *	58.57 *	54.62 *	48.98 *	42.15 *	34.93 *	28.04 *	22.03 *	17.14 *	16.01 *
-9	24.69 *	48.20 *	44.92 *	40.46 *	35.22 *	29.58 *	24.09 *	19.15 *	15.03 *	14.20 *
-11	19.68 *	38.53 *	36.04 *	32.54 *	28.62 *	24.44 *	20.21 *	16.34 *	12.98 *	12.38 *
-13	15.27 *	30.03 *	28.32 *	25.75 *	22.80 *	19.76 *	16.63 *	13.65 *	11.01 *	10.64 *
-15	11.75 *	23.15 *	21.92 *	20.14 *	18.02 *	15.75 *	13.46 *	11.24 *	9.19 *	9.01
-17	11.00 *	21.65 *	20.56 *	19.06 *	17.31 *	15.24 *	13.17 *	11.18 *	9.26	9.27
-19.5	9.08 *	17.93 *	17.20 *	16.12 *	14.78 *	13.16 *	11.52	9.94	8.38	8.56
-22.5	5.89	11.64	11.28	10.69	9.88	8.89	7.90	6.97	6.01	6.31
-25.5	4.38	8.64	8.39	7.99	7.46	6.84	6.22	5.58	4.92	5.32
-29	3.07	6.04	5.88	5.67	5.37	5.04	4.69	4.30	3.92	4.40
-33	2.03	4.03	3.97	3.90	3.79	3.64	3.48	3.30	3.13	3.68
-37.5	1.56	3.11	3.08	3.05	3.01	2.96	2.90	2.82	2.73	3.32
-42.5	1.33	2.65	2.64	2.61	2.58	2.54	2.50	2.45	2.39	2.90
-47.5	1.63	3.27	3.26	3.24	3.21	3.17	3.12	3.05	2.98	3.61
-55	1.65	3.30	3.29	3.26	3.22	3.18	3.13	3.06	2.99	3.64
-65	1.11	2.21	2.19	2.17	2.14	2.12	2.08	2.05	2.01	2.47
-75	0.60	1.18	1.17	1.16	1.14	1.13	1.11	1.09	1.08	1.33
-85	0.08	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.19
-90										
Total	568.63	1114.53	1050.42	950.68	828.13	699.03	575.78	466.63	374.95	365.99

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.22	0.22	0.24	0.25	0.25	0.25	0.22	0.26	0.22	0.10
85	1.57	1.54	1.72	1.84	1.88	1.85	1.59	1.90	1.64	0.73
75	2.89	2.80	3.12	3.35	3.46	3.40	2.90	3.40	2.91	1.31
65	4.20	4.01	4.40	4.65	4.74	4.62	3.91	4.52	3.75	1.71
55	4.14	3.91	4.26	4.44	4.44	4.24	3.53	4.04	3.29	1.50

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	3.33	3.14	3.41	3.54	3.50	3.30	2.70	3.04	2.45	1.11
42.5	3.80	3.59	3.91	4.07	3.99	3.71	3.02	3.35	2.67	1.20
37.5	4.09	3.75	4.00	4.11	4.01	3.70	2.98	3.28	2.59	1.15
33	4.63	4.01	4.06	4.02	3.87	3.56	2.85	3.11	2.45	1.08
29	5.34	4.36	4.15	3.90	3.63	3.32	2.64	2.86	2.25	0.99
25.5	6.08	4.74	4.28	3.76	3.32	2.98	2.36	2.56	2.00	0.88
22.5	7.95	5.97	5.15	4.24	3.55	3.09	2.45	2.64	2.05	0.91
19.5	8.33	6.03	5.00	3.95	3.14	2.66	2.09	2.26	1.75	0.77
17	7.94	5.60	4.51	3.45	2.63	2.16	1.70	1.84	1.42	0.63
15	9.22	6.37	5.01	3.71	2.73	2.20	1.73	1.86	1.44	0.64
13	10.54	7.13	5.49	3.97	2.85	2.25	1.75	1.88	1.45	0.64
11	11.91	7.91	5.97	4.23	2.98	2.29	1.76	1.90	1.46	0.65
9	13.22 *	8.65	6.42	4.46	3.08	2.32	1.77	1.91	1.47	0.65
7	14.27 *	9.25	6.80	4.66	3.16	2.34	1.77	1.92	1.48	0.66
5	15.11 *	9.70	7.06	4.79	3.20	2.35	1.78	1.93	1.49	0.66
3	15.67 *	9.97	7.23	4.88	3.24	2.37	1.78	1.93	1.49	0.66
1	7.92 *	5.03	3.65	2.47	1.63	1.19	0.89	0.97	0.74	0.33
0	7.92 *	5.03	3.65	2.47	1.63	1.19	0.89	0.97	0.74	0.33
-1	15.67 *	9.97	7.23	4.88	3.24	2.37	1.78	1.93	1.49	0.66
-3	15.11 *	9.70	7.06	4.79	3.20	2.35	1.78	1.93	1.49	0.66
-5	14.27 *	9.25	6.80	4.66	3.16	2.34	1.77	1.92	1.48	0.66
-7	13.22 *	8.65	6.42	4.46	3.08	2.32	1.77	1.91	1.47	0.65
-9	11.91	7.91	5.97	4.23	2.98	2.29	1.76	1.90	1.46	0.65
-11	10.54	7.13	5.49	3.97	2.85	2.25	1.75	1.88	1.45	0.64
-13	9.22	6.37	5.01	3.71	2.73	2.20	1.73	1.86	1.44	0.64
-15	7.94	5.60	4.51	3.45	2.63	2.16	1.70	1.84	1.42	0.63
-17	8.33	6.03	5.00	3.95	3.14	2.66	2.09	2.26	1.75	0.77
-19.5	7.95	5.97	5.15	4.24	3.55	3.09	2.45	2.64	2.05	0.91

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	6.08	4.74	4.28	3.76	3.32	2.98	2.36	2.56	2.00	0.88
-25.5	5.34	4.36	4.15	3.90	3.63	3.32	2.64	2.86	2.25	0.99
-29	4.63	4.01	4.06	4.02	3.87	3.56	2.85	3.11	2.45	1.08
-33	4.09	3.75	4.00	4.11	4.01	3.70	2.98	3.28	2.59	1.15
-37.5	3.80	3.59	3.91	4.07	3.99	3.71	3.02	3.35	2.67	1.20
-42.5	3.33	3.14	3.41	3.54	3.50	3.30	2.70	3.04	2.45	1.11
-47.5	4.14	3.91	4.26	4.44	4.44	4.24	3.53	4.04	3.29	1.50
-55	4.20	4.01	4.40	4.65	4.74	4.62	3.91	4.52	3.75	1.71
-65	2.89	2.80	3.12	3.35	3.46	3.40	2.90	3.40	2.91	1.31
-75	1.57	1.54	1.72	1.84	1.88	1.85	1.59	1.90	1.64	0.73
-85	0.22	0.22	0.24	0.25	0.25	0.25	0.22	0.26	0.22	0.10
-90										
Total	324.74	235.35	199.71	165.48	138.59	120.33	96.36	106.71	84.90	37.91

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		3.75
85				
	0.17	0.01		27.42
75				
	0.31	0.01		50.42
65				
	0.43	0.01		71.68
55				
	0.39	0.01		68.73
47.5				
	0.29	0.01		54.41
42.5				
	0.31	0.01		62.17
37.5				
	0.30	0.01		68.92
33				
	0.28	0.01		82.31
29				
	0.25	0.01		99.45
25.5				
	0.22	0.01		118.64
22.5				
	0.23	0.01		164.89
19.5				
	0.20	0.01		183.89
17				
	0.16	0.01		185.69

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

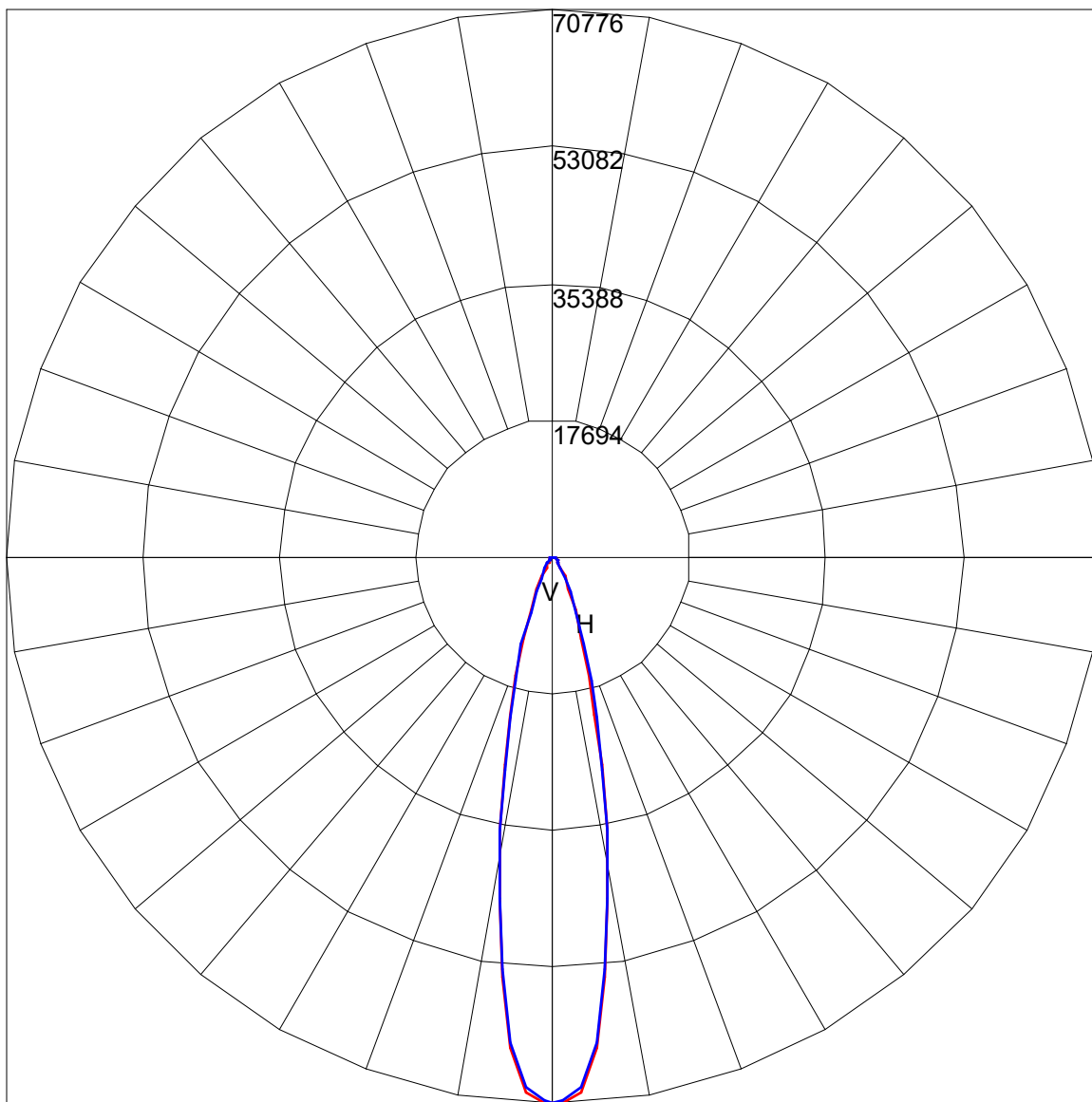
15	0.16	0.01	228.93
13	0.16	0.01	279.88
11	0.16	0.01	336.76
9	0.17	0.01	396.66
7	0.17	0.01	455.22
5	0.17	0.01	504.94
3	0.17	0.01	537.97
1	0.08	0.00	274.66
0	0.08	0.00	274.66
-1	0.17	0.01	537.97
-3	0.17	0.01	504.94
-5	0.17	0.01	455.22
-7	0.17	0.01	396.66
-9	0.16	0.01	336.76
-11	0.16	0.01	279.88
-13	0.16	0.01	228.93
-15	0.16	0.01	185.69
-17	0.20	0.01	183.89
-19.5	0.23	0.01	164.89
-22.5	0.22	0.01	118.64
-25.5	0.25	0.01	99.45
-29	0.28	0.01	82.31
-33	0.30	0.01	68.92
-37.5	0.31	0.01	62.17
-42.5	0.29	0.01	54.41
-47.5	0.39	0.01	68.73
-55	0.43	0.01	71.68
-65	0.31	0.01	50.42

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

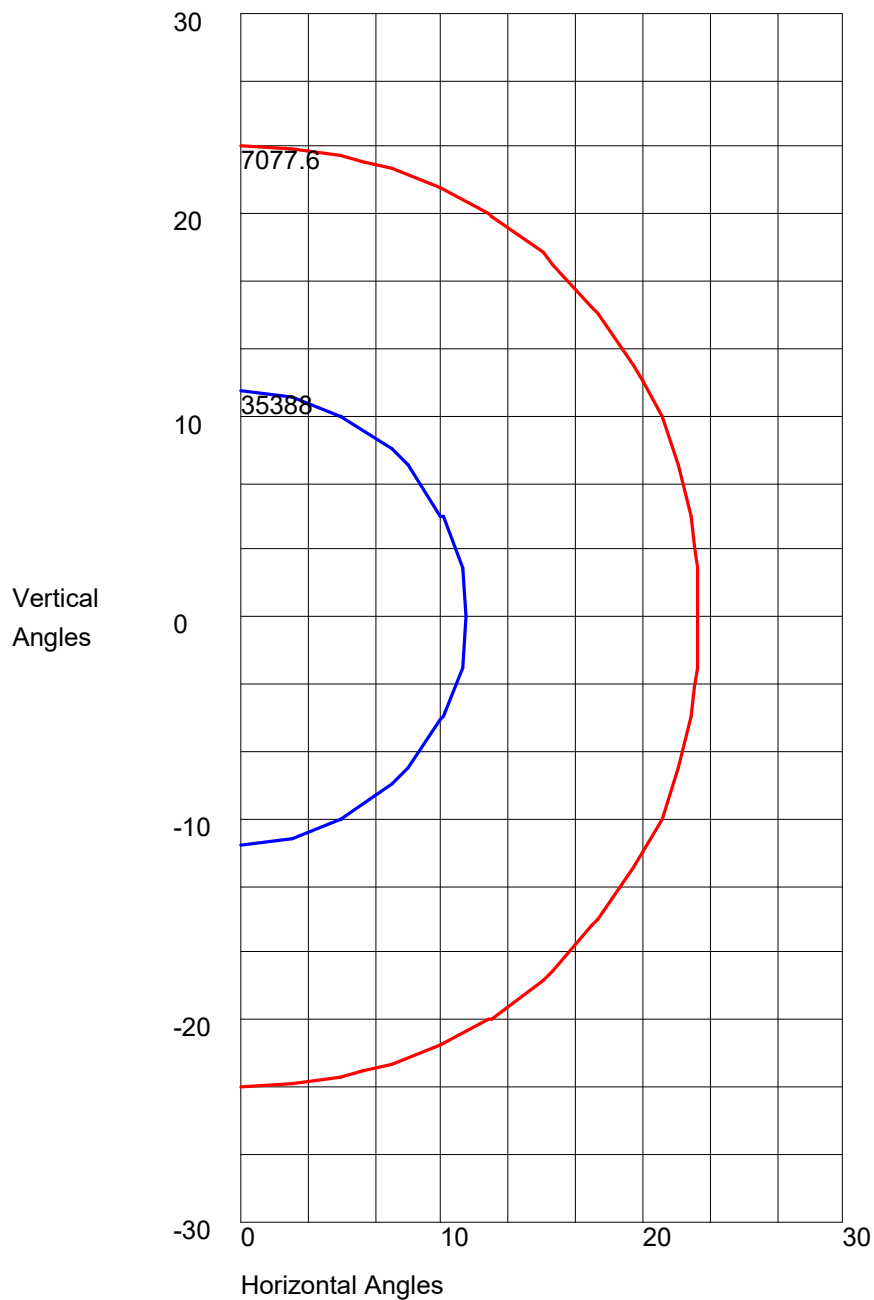
-75	0.17	0.01	27.42
-85	0.02	0.00	3.75
-90			
Total	9.65	0.32	8514.8

AXIAL CANDELA DISPLAY



Maximum Candela = 70776 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 70776 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 35388
10% Maximum Candela = 7077.6