



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-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-34L-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	127452
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	18712
Beam Efficiency	N.A.
Field Lumens	27726
Field Efficiency	N.A.
Spill Lumens	6237
Luminaire Lumens	33963
Total Efficiency	N.A.
Total Luminaire Watts	278
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	7	85	23
75	27	75	44
65	122	65	589
55	566	55	1314
47.5	810	47.5	1662
42.5	1019	42.5	1603
37.5	1381	37.5	1737
33	2061	33	2520
29	3441	29	4430
25.5	5546	25.5	7457
22.5	9043	22.5	12840
19.5	17465	19.5	23532
17	31348	17	38499
15	48146	15	55428
13	68132	13	77050
11	87360	11	97030
9	103006	9	112469
7	113865	7	122264
5	120347	5	127108
3	124251	3	127452
1	125868	1	126793
0	126296	0	126296
-1	125868	-1	126793
-3	124251	-3	127452
-5	120347	-5	127108
-7	113865	-7	122264
-9	103006	-9	112469
-11	87360	-11	97030
-13	68132	-13	77050
-15	48146	-15	55428
-17	31348	-17	38499
-19.5	17465	-19.5	23532
-22.5	9043	-22.5	12840
-25.5	5546	-25.5	7457
-29	3441	-29	4430
-33	2061	-33	2520
-37.5	1381	-37.5	1737
-42.5	1019	-42.5	1603
-47.5	810	-47.5	1662
-55	566	-55	1314
-65	122	-65	589
-75	27	-75	44
-85	7	-85	23
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 127452

Beam Edge = 63726 Cd (50% of Max.)

Field Edge = 12745.2 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	3	11	18	20	22	23	24	25
<b>75.0</b>	0	3	7	12	16	19	22	25	28	32
<b>65.0</b>	0	4	9	16	26	40	74	150	233	289
<b>55.0</b>	0	5	13	25	47	188	342	489	615	726
<b>47.5</b>	0	6	15	32	117	410	618	791	952	1102
<b>42.5</b>	0	6	17	37	203	540	726	907	1062	1204
<b>37.5</b>	0	6	19	42	291	621	795	984	1131	1252
<b>33.0</b>	0	6	21	47	361	673	855	1043	1193	1344
<b>29.0</b>	0	6	22	50	418	714	898	1086	1276	1518
<b>25.5</b>	0	7	23	53	460	748	926	1130	1388	1746
<b>22.5</b>	0	7	24	68	491	770	951	1168	1495	1991
<b>19.5</b>	0	7	25	82	518	783	973	1218	1598	2240
<b>17.0</b>	0	7	25	92	535	790	988	1255	1697	2459
<b>15.0</b>	0	7	26	99	545	799	999	1274	1767	2599
<b>13.0</b>	0	7	26	104	554	805	1009	1300	1817	2838
<b>11.0</b>	0	7	26	108	560	809	1016	1321	1879	3018
<b>9.0</b>	0	7	27	113	563	811	1019	1344	1944	3138
<b>7.0</b>	0	7	27	116	565	811	1018	1360	2002	3274
<b>5.0</b>	0	7	27	119	568	810	1014	1368	2036	3389
<b>3.0</b>	0	7	27	122	571	814	1021	1374	2049	3432
<b>1.0</b>	0	7	27	122	568	811	1020	1382	2062	3453
<b>0.0</b>	0	7	27	122	566	810	1019	1381	2061	3441
<b>-1.0</b>	0	7	27	122	568	811	1020	1382	2062	3453
<b>-3.0</b>	0	7	27	122	571	814	1021	1374	2049	3432
<b>-5.0</b>	0	7	27	119	568	810	1014	1368	2036	3389
<b>-7.0</b>	0	7	27	116	565	811	1018	1360	2002	3274
<b>-9.0</b>	0	7	27	113	563	811	1019	1344	1944	3138
<b>-11.0</b>	0	7	26	108	560	809	1016	1321	1879	3018
<b>-13.0</b>	0	7	26	104	554	805	1009	1300	1817	2838
<b>-15.0</b>	0	7	26	99	545	799	999	1274	1767	2599
<b>-17.0</b>	0	7	25	92	535	790	988	1255	1697	2459
<b>-19.5</b>	0	7	25	82	518	783	973	1218	1598	2240
<b>-22.5</b>	0	7	24	68	491	770	951	1168	1495	1991
<b>-25.5</b>	0	7	23	53	460	748	926	1130	1388	1746
<b>-29.0</b>	0	6	22	50	418	714	898	1086	1276	1518
<b>-33.0</b>	0	6	21	47	361	673	855	1043	1193	1344
<b>-37.5</b>	0	6	19	42	291	621	795	984	1131	1252
<b>-42.5</b>	0	6	17	37	203	540	726	907	1062	1204
<b>-47.5</b>	0	6	15	32	117	410	618	791	952	1102
<b>-55.0</b>	0	5	13	25	47	188	342	489	615	726
<b>-65.0</b>	0	4	9	16	26	40	74	150	233	289
<b>-75.0</b>	0	3	7	12	16	19	22	25	28	32
<b>-85.0</b>	0	1	3	11	18	20	22	23	24	25
<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	25	25	26	26	26	25	25	25	24	24
75.0	35	37	39	40	41	42	42	43	43	44
65.0	329	367	415	451	476	498	519	538	555	571
55.0	834	922	1006	1072	1122	1170	1209	1243	1274	1301
47.5	1227	1297	1389	1447	1481	1519	1558	1582	1609	1637
42.5	1296	1372	1436	1477	1510	1541	1569	1585	1594	1602
37.5	1352	1428	1525	1601	1646	1697	1734	1757	1761	1754
33.0	1515	1700	1885	2047	2155	2235	2341	2424	2479	2513
29.0	1837	2170	2566	2918	3170	3525	3789	3981	4166	4340
25.5	2227	2824	3574	4274	4971	5630	6122	6663	7025	7303
22.5	2697	3649	4949	6262	7544	8640	9539	10716	11639	12375
19.5	3286	4668	6721	8807	10794	13009 *	14980 *	17602 *	19696 *	21307 *
17.0	3746	5623	8194	11273	13994 *	18120 *	21855 *	26523 *	30757 *	34365 *
15.0	4177	6326	9408	13032 *	18100 *	23332 *	30146 *	35986 *	43368 *	49816 *
13.0	4536	6945	10639	15914 *	21934 *	30926 *	40101 *	50483 *	59184 *	68011 *
11.0	4846	7418	11864	18258 *	27692 *	38832 *	52285 *	65381 *	77671 *	87247 *
9.0	5195	8175	13559 *	22166 *	32581 *	47728 *	63720 *	80067 *	92869 *	104122 *
7.0	5428	8693	14955 *	25717 *	39021 *	55488 *	74064 *	90530 *	104927 *	113257 *
5.0	5590	9040	15906 *	28373 *	44272 *	62446 *	81175 *	98400 *	110067 *	118676 *
3.0	5620	9171	17182 *	30661 *	47532 *	67019 *	85697 *	101861 *	113513 *	120111 *
1.0	5589	9152	17647 *	31656 *	48897 *	68718 *	87508 *	102790 *	113629 *	120580 *
0.0	5546	9043	17465 *	31348 *	48146 *	68132 *	87360 *	103006 *	113865 *	120347 *
-1.0	5589	9152	17647 *	31656 *	48897 *	68718 *	87508 *	102790 *	113629 *	120580 *
-3.0	5620	9171	17182 *	30661 *	47532 *	67019 *	85697 *	101861 *	113513 *	120111 *
-5.0	5590	9040	15906 *	28373 *	44272 *	62446 *	81175 *	98400 *	110067 *	118676 *
-7.0	5428	8693	14955 *	25717 *	39021 *	55488 *	74064 *	90530 *	104927 *	113257 *
-9.0	5195	8175	13559 *	22166 *	32581 *	47728 *	63720 *	80067 *	92869 *	104122 *
-11.0	4846	7418	11864	18258 *	27692 *	38832 *	52285 *	65381 *	77671 *	87247 *
-13.0	4536	6945	10639	15914 *	21934 *	30926 *	40101 *	50483 *	59184 *	68011 *
-15.0	4177	6326	9408	13032 *	18100 *	23332 *	30146 *	35986 *	43368 *	49816 *
-17.0	3746	5623	8194	11273	13994 *	18120 *	21855 *	26523 *	30757 *	34365 *
-19.5	3286	4668	6721	8807	10794	13009 *	14980 *	17602 *	19696 *	21307 *
-22.5	2697	3649	4949	6262	7544	8640	9539	10716	11639	12375
-25.5	2227	2824	3574	4274	4971	5630	6122	6663	7025	7303
-29.0	1837	2170	2566	2918	3170	3525	3789	3981	4166	4340
-33.0	1515	1700	1885	2047	2155	2235	2341	2424	2479	2513
-37.5	1352	1428	1525	1601	1646	1697	1734	1757	1761	1754
-42.5	1296	1372	1436	1477	1510	1541	1569	1585	1594	1602
-47.5	1227	1297	1389	1447	1481	1519	1558	1582	1609	1637
-55.0	834	922	1006	1072	1122	1170	1209	1243	1274	1301
-65.0	329	367	415	451	476	498	519	538	555	571
-75.0	35	37	39	40	41	42	42	43	43	44
-85.0	25	25	26	26	26	25	25	25	24	24
-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	24	23	23	23	24	24	24	25	25	25
75.0	44	44	44	44	44	44	43	43	42	42
65.0	582	587	589	587	582	571	555	538	519	498

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**CANDELA TABULATION - (Cont.)**

55.0	1317	1315	1314	1315	1317	1301	1274	1243	1209	1170
47.5	1664	1663	1662	1663	1664	1637	1609	1582	1558	1519
42.5	1606	1604	1603	1604	1606	1602	1594	1585	1569	1541
37.5	1737	1739	1737	1739	1737	1754	1761	1757	1734	1697
33.0	2522	2526	2520	2526	2522	2513	2479	2424	2341	2235
29.0	4422	4445	4430	4445	4422	4340	4166	3981	3789	3525
25.5	7454	7484	7457	7484	7454	7303	7025	6663	6122	5630
22.5	12902 *	13032 *	12840 *	13032 *	12902 *	12375	11639	10716	9539	8640
19.5	22993 *	23709 *	23532 *	23709 *	22993 *	21307 *	19696 *	17602 *	14980 *	13009 *
17.0	37329 *	38743 *	38499 *	38743 *	37329 *	34365 *	30757 *	26523 *	21855 *	18120 *
15.0	54164 *	56091 *	55428 *	56091 *	54164 *	49816 *	43368 *	35986 *	30146 *	23332 *
13.0	74591 *	77364 *	77050 *	77364 *	74591 *	68011 *	59184 *	50483 *	40101 *	30926 *
11.0	94051 *	97220 *	97030 *	97220 *	94051 *	87247 *	77671 *	65381 *	52285 *	38832 *
9.0	110164 *	112515 *	112469 *	112515 *	110164 *	104122 *	92869 *	80067 *	63720 *	47728 *
7.0	120045 *	122100 *	122264 *	122100 *	120045 *	113257 *	104927 *	90530 *	74064 *	55488 *
5.0	123425 *	126619 *	127108 *	126619 *	123425 *	118676 *	110067 *	98400 *	81175 *	62446 *
3.0	124454 *	126984 *	127452 *	126984 *	124454 *	120111 *	113513 *	101861 *	85697 *	67019 *
1.0	124385 *	126294 *	126793 *	126294 *	124385 *	120580 *	113629 *	102790 *	87508 *	68718 *
0.0	124251 *	125868 *	126296 *	125868 *	124251 *	120347 *	113865 *	103006 *	87360 *	68132 *
-1.0	124385 *	126294 *	126793 *	126294 *	124385 *	120580 *	113629 *	102790 *	87508 *	68718 *
-3.0	124454 *	126984 *	127452 *	126984 *	124454 *	120111 *	113513 *	101861 *	85697 *	67019 *
-5.0	123425 *	126619 *	127108 *	126619 *	123425 *	118676 *	110067 *	98400 *	81175 *	62446 *
-7.0	120045 *	122100 *	122264 *	122100 *	120045 *	113257 *	104927 *	90530 *	74064 *	55488 *
-9.0	110164 *	112515 *	112469 *	112515 *	110164 *	104122 *	92869 *	80067 *	63720 *	47728 *
-11.0	94051 *	97220 *	97030 *	97220 *	94051 *	87247 *	77671 *	65381 *	52285 *	38832 *
-13.0	74591 *	77364 *	77050 *	77364 *	74591 *	68011 *	59184 *	50483 *	40101 *	30926 *
-15.0	54164 *	56091 *	55428 *	56091 *	54164 *	49816 *	43368 *	35986 *	30146 *	23332 *
-17.0	37329 *	38743 *	38499 *	38743 *	37329 *	34365 *	30757 *	26523 *	21855 *	18120 *
-19.5	22993 *	23709 *	23532 *	23709 *	22993 *	21307 *	19696 *	17602 *	14980 *	13009 *
-22.5	12902 *	13032 *	12840 *	13032 *	12902 *	12375	11639	10716	9539	8640
-25.5	7454	7484	7457	7484	7454	7303	7025	6663	6122	5630
-29.0	4422	4445	4430	4445	4422	4340	4166	3981	3789	3525
-33.0	2522	2526	2520	2526	2522	2513	2479	2424	2341	2235
-37.5	1737	1739	1737	1739	1737	1754	1761	1757	1734	1697
-42.5	1606	1604	1603	1604	1606	1602	1594	1585	1569	1541
-47.5	1664	1663	1662	1663	1664	1637	1609	1582	1558	1519
-55.0	1317	1315	1314	1315	1317	1301	1274	1243	1209	1170
-65.0	582	587	589	587	582	571	555	538	519	498
-75.0	44	44	44	44	44	44	43	43	42	42
-85.0	24	23	23	23	24	24	24	25	25	25
-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	26	26	26	25	25	25	24	23	22	20
75.0	41	40	39	37	35	32	28	25	22	19
65.0	476	451	415	367	329	289	233	150	74	40
55.0	1122	1072	1006	922	834	726	615	489	342	188
47.5	1481	1447	1389	1297	1227	1102	952	791	618	410
42.5	1510	1477	1436	1372	1296	1204	1062	907	726	540
37.5	1646	1601	1525	1428	1352	1252	1131	984	795	621
33.0	2155	2047	1885	1700	1515	1344	1193	1043	855	673
29.0	3170	2918	2566	2170	1837	1518	1276	1086	898	714
25.5	4971	4274	3574	2824	2227	1746	1388	1130	926	748

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**CANDELA TABULATION - (Cont.)**

22.5	7544	6262	4949	3649	2697	1991	1495	1168	951	770
19.5	10794	8807	6721	4668	3286	2240	1598	1218	973	783
17.0	13994 *	11273	8194	5623	3746	2459	1697	1255	988	790
15.0	18100 *	13032 *	9408	6326	4177	2599	1767	1274	999	799
13.0	21934 *	15914 *	10639	6945	4536	2838	1817	1300	1009	805
11.0	27692 *	18258 *	11864	7418	4846	3018	1879	1321	1016	809
9.0	32581 *	22166 *	13559 *	8175	5195	3138	1944	1344	1019	811
7.0	39021 *	25717 *	14955 *	8693	5428	3274	2002	1360	1018	811
5.0	44272 *	28373 *	15906 *	9040	5590	3389	2036	1368	1014	810
3.0	47532 *	30661 *	17182 *	9171	5620	3432	2049	1374	1021	814
1.0	48897 *	31656 *	17647 *	9152	5589	3453	2062	1382	1020	811
0.0	48146 *	31348 *	17465 *	9043	5546	3441	2061	1381	1019	810
-1.0	48897 *	31656 *	17647 *	9152	5589	3453	2062	1382	1020	811
-3.0	47532 *	30661 *	17182 *	9171	5620	3432	2049	1374	1021	814
-5.0	44272 *	28373 *	15906 *	9040	5590	3389	2036	1368	1014	810
-7.0	39021 *	25717 *	14955 *	8693	5428	3274	2002	1360	1018	811
-9.0	32581 *	22166 *	13559 *	8175	5195	3138	1944	1344	1019	811
-11.0	27692 *	18258 *	11864	7418	4846	3018	1879	1321	1016	809
-13.0	21934 *	15914 *	10639	6945	4536	2838	1817	1300	1009	805
-15.0	18100 *	13032 *	9408	6326	4177	2599	1767	1274	999	799
-17.0	13994 *	11273	8194	5623	3746	2459	1697	1255	988	790
-19.5	10794	8807	6721	4668	3286	2240	1598	1218	973	783
-22.5	7544	6262	4949	3649	2697	1991	1495	1168	951	770
-25.5	4971	4274	3574	2824	2227	1746	1388	1130	926	748
-29.0	3170	2918	2566	2170	1837	1518	1276	1086	898	714
-33.0	2155	2047	1885	1700	1515	1344	1193	1043	855	673
-37.5	1646	1601	1525	1428	1352	1252	1131	984	795	621
-42.5	1510	1477	1436	1372	1296	1204	1062	907	726	540
-47.5	1481	1447	1389	1297	1227	1102	952	791	618	410
-55.0	1122	1072	1006	922	834	726	615	489	342	188
-65.0	476	451	415	367	329	289	233	150	74	40
-75.0	41	40	39	37	35	32	28	25	22	19
-85.0	26	26	26	25	25	25	24	23	22	20
-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	18	11	3	1	0
75.0	16	12	7	3	0
65.0	26	16	9	4	0
55.0	47	25	13	5	0
47.5	117	32	15	6	0
42.5	203	37	17	6	0
37.5	291	42	19	6	0
33.0	361	47	21	6	0
29.0	418	50	22	6	0
25.5	460	53	23	7	0
22.5	491	68	24	7	0
19.5	518	82	25	7	0
17.0	535	92	25	7	0
15.0	545	99	26	7	0
13.0	554	104	26	7	0
11.0	560	108	26	7	0
9.0	563	113	27	7	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**CANDELA TABULATION - (Cont.)**

7.0	565	116	27	7	0
5.0	568	119	27	7	0
3.0	571	122	27	7	0
1.0	568	122	27	7	0
0.0	566	122	27	7	0
-1.0	568	122	27	7	0
-3.0	571	122	27	7	0
-5.0	568	119	27	7	0
-7.0	565	116	27	7	0
-9.0	563	113	27	7	0
-11.0	560	108	26	7	0
-13.0	554	104	26	7	0
-15.0	545	99	26	7	0
-17.0	535	92	25	7	0
-19.5	518	82	25	7	0
-22.5	491	68	24	7	0
-25.5	460	53	23	7	0
-29.0	418	50	22	6	0
-33.0	361	47	21	6	0
-37.5	291	42	19	6	0
-42.5	203	37	17	6	0
-47.5	117	32	15	6	0
-55.0	47	25	13	5	0
-65.0	26	16	9	4	0
-75.0	16	12	7	3	0
-85.0	18	11	3	1	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16981.62

Total Field Lumens (one side of beam only) = 13863.18

\* 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	0.10	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.24
65	0.96	1.91	1.89	1.84	1.78	1.71	1.64	1.56	1.48	1.71
55	2.90	5.79	5.73	5.61	5.44	5.26	5.06	4.83	4.57	5.32
47.5	3.40	6.80	6.74	6.61	6.46	6.29	6.10	5.87	5.62	6.66
42.5	2.49	4.97	4.94	4.88	4.80	4.72	4.61	4.47	4.33	5.20
37.5	2.54	5.09	5.09	5.08	5.05	4.98	4.87	4.72	4.56	5.46
33	2.92	5.84	5.83	5.80	5.72	5.57	5.37	5.14	4.91	5.74
29	4.24	8.47	8.38	8.18	7.87	7.52	7.09	6.55	6.03	6.81
25.5	6.35	12.68	12.51	12.11	11.53	10.79	9.94	8.95	7.86	8.44
22.5	9.32	18.66	18.25	17.42	16.31	14.87	13.38	11.87	10.12	10.34
19.5	16.70 *	33.17 *	31.71 *	29.54 *	26.99 *	23.77 *	20.63	17.73	14.67	14.50
17	23.70 *	46.72 *	44.06 *	40.19 *	35.66 *	30.36 *	25.31 *	20.66 *	16.42	15.82
15	28.75 *	56.72 *	53.38 *	47.96 *	41.21 *	34.35 *	27.84 *	21.74 *	16.51 *	15.15
13	40.50 *	79.82 *	74.93 *	66.76 *	57.02 *	47.01 *	37.10 *	27.87 *	20.20 *	17.72
11	53.10 *	104.48 *	98.42 *	88.49 *	76.23 *	62.47 *	48.31 *	35.28 *	24.54 *	20.49 *
9	63.85 *	126.01 *	120.20 *	109.63 *	95.31 *	78.43 *	60.35 *	43.40 *	29.48 *	23.81 *
7	71.48 *	141.50 *	136.00 *	125.77 *	111.12 *	92.51 *	71.80 *	51.67 *	34.99 *	27.62 *
5	75.86 *	149.83 *	144.46 *	135.39 *	121.84 *	103.24 *	81.39 *	59.47 *	40.23 *	30.72 *
3	77.39 *	152.66 *	147.88 *	140.07 *	127.85 *	110.13 *	88.29 *	65.40 *	44.17 *	33.31 *
1	77.30 *	152.85 *	148.75 *	141.72 *	130.25 *	113.35 *	92.05 *	68.62 *	46.48 *	35.13 *
0	38.48 *	76.23 *	74.38 *	70.95 *	65.35 *	57.09 *	46.44 *	34.56 *	23.43 *	17.74 *
-1	38.48 *	76.23 *	74.38 *	70.95 *	65.35 *	57.09 *	46.44 *	34.56 *	23.43 *	17.74 *
	77.30 *	152.85 *	148.75 *	141.72 *	130.25 *	113.35 *	92.05 *	68.62 *	46.48 *	35.13 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	77.39 *	152.66 *	147.88 *	140.07 *	127.85 *	110.13 *	88.29 *	65.40 *	44.17 *	33.31 *
<b>-5</b>	75.86 *	149.83 *	144.46 *	135.39 *	121.84 *	103.24 *	81.39 *	59.47 *	40.23 *	30.72 *
<b>-7</b>	71.48 *	141.50 *	136.00 *	125.77 *	111.12 *	92.51 *	71.80 *	51.67 *	34.99 *	27.62 *
<b>-9</b>	63.85 *	126.01 *	120.20 *	109.63 *	95.31 *	78.43 *	60.35 *	43.40 *	29.48 *	23.81 *
<b>-11</b>	53.10 *	104.48 *	98.42 *	88.49 *	76.23 *	62.47 *	48.31 *	35.28 *	24.54 *	20.49 *
<b>-13</b>	40.50 *	79.82 *	74.93 *	66.76 *	57.02 *	47.01 *	37.10 *	27.87 *	20.20 *	17.72
<b>-15</b>	28.75 *	56.72 *	53.38 *	47.96 *	41.21 *	34.35 *	27.84 *	21.74 *	16.51 *	15.15
<b>-17</b>	23.70 *	46.72 *	44.06 *	40.19 *	35.66 *	30.36 *	25.31 *	20.66 *	16.42	15.82
<b>-19.5</b>	16.70 *	33.17 *	31.71 *	29.54 *	26.99 *	23.77 *	20.63	17.73	14.67	14.50
<b>-22.5</b>	9.32	18.66	18.25	17.42	16.31	14.87	13.38	11.87	10.12	10.34
<b>-25.5</b>	6.35	12.68	12.51	12.11	11.53	10.79	9.94	8.95	7.86	8.44
<b>-29</b>	4.24	8.47	8.38	8.18	7.87	7.52	7.09	6.55	6.03	6.81
<b>-33</b>	2.92	5.84	5.83	5.80	5.72	5.57	5.37	5.14	4.91	5.74
<b>-37.5</b>	2.54	5.09	5.09	5.08	5.05	4.98	4.87	4.72	4.56	5.46
<b>-42.5</b>	2.49	4.97	4.94	4.88	4.80	4.72	4.61	4.47	4.33	5.20
<b>-47.5</b>	3.40	6.80	6.74	6.61	6.46	6.29	6.10	5.87	5.62	6.66
<b>-55</b>	2.90	5.79	5.73	5.61	5.44	5.26	5.06	4.83	4.57	5.32
<b>-65</b>	0.96	1.91	1.89	1.84	1.78	1.71	1.64	1.56	1.48	1.71
<b>-75</b>	0.10	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.24
<b>-85</b>	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
<b>-90</b>										
<b>Total</b>	1204.71	2380.91	2287.54	2128.46	1908.04	1629.34	1315.61	1001.18	721.65	615.94

**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>	0.05	0.05	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.02
<b>85</b>	0.27	0.25	0.28	0.28	0.28	0.27	0.22	0.26	0.22	0.09
<b>75</b>	1.83	1.60	1.62	1.52	1.22	0.79	0.42	0.36	0.27	0.11
<b>65</b>	5.78	5.12	5.16	4.86	4.16	3.08	1.73	1.08	0.43	0.16
<b>55</b>	7.38	6.70	6.91	6.65	5.97	4.90	3.15	2.04	0.63	0.17

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	5.86	5.42	5.72	5.64	5.19	4.44	3.09	2.27	0.74	0.13
<b>42.5</b>	6.14	5.68	6.05	6.07	5.71	4.97	3.61	2.96	1.09	0.15
<b>37.5</b>	6.27	5.63	5.82	5.78	5.48	4.82	3.57	3.13	1.27	0.15
<b>33</b>	7.10	6.03	5.89	5.57	5.15	4.53	3.38	3.10	1.33	0.15
<b>29</b>	8.31	6.62	6.08	5.42	4.78	4.12	3.10	2.93	1.31	0.13
<b>25.5</b>	9.59	7.14	6.16	5.18	4.35	3.65	2.74	2.65	1.22	0.13
<b>22.5</b>	12.79	8.95	7.26	5.74	4.60	3.77	2.81	2.75	1.32	0.16
<b>19.5</b>	13.44	9.04	6.95	5.22	4.03	3.23	2.38	2.35	1.17	0.15
<b>17</b>	12.60	8.29	6.15	4.45	3.35	2.63	1.93	1.91	0.97	0.13
<b>15</b>	14.21	9.18	6.70	4.71	3.45	2.67	1.94	1.93	0.99	0.13
<b>13</b>	15.72	9.91	7.22	4.99	3.53	2.71	1.96	1.95	1.01	0.14
<b>11</b>	17.49	10.70	7.67	5.21	3.63	2.74	1.97	1.96	1.02	0.14
<b>9</b>	19.36	11.47	8.07	5.41	3.72	2.76	1.97	1.96	1.03	0.15
<b>7</b>	20.73	12.00	8.38	5.59	3.79	2.78	1.97	1.97	1.04	0.15
<b>5</b>	21.88 *	12.28	8.54	5.69	3.82	2.79	1.97	1.97	1.05	0.15
<b>3</b>	22.67 *	12.33	8.57	5.74	3.84	2.80	1.97	1.97	1.05	0.16
<b>1</b>	11.37 *	6.12	4.27	2.88	1.93	1.40	0.99	0.98	0.52	0.08
<b>0</b>	11.37 *	6.12	4.27	2.88	1.93	1.40	0.99	0.98	0.52	0.08
<b>-1</b>	22.67 *	12.33	8.57	5.74	3.84	2.80	1.97	1.97	1.05	0.16
<b>-3</b>	21.88 *	12.28	8.54	5.69	3.82	2.79	1.97	1.97	1.05	0.15
<b>-5</b>	20.73	12.00	8.38	5.59	3.79	2.78	1.97	1.97	1.04	0.15
<b>-7</b>	19.36	11.47	8.07	5.41	3.72	2.76	1.97	1.96	1.03	0.15
<b>-9</b>	17.49	10.70	7.67	5.21	3.63	2.74	1.97	1.96	1.02	0.14
<b>-11</b>	15.72	9.91	7.22	4.99	3.53	2.71	1.96	1.95	1.01	0.14
<b>-13</b>	14.21	9.18	6.70	4.71	3.45	2.67	1.94	1.93	0.99	0.13
<b>-15</b>	12.60	8.29	6.15	4.45	3.35	2.63	1.93	1.91	0.97	0.13
<b>-17</b>	13.44	9.04	6.95	5.22	4.03	3.23	2.38	2.35	1.17	0.15
<b>-19.5</b>	12.79	8.95	7.26	5.74	4.60	3.77	2.81	2.75	1.32	0.16

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	9.59	7.14	6.16	5.18	4.35	3.65	2.74	2.65	1.22	0.13
<b>-25.5</b>	8.31	6.62	6.08	5.42	4.78	4.12	3.10	2.93	1.31	0.13
<b>-29</b>	7.10	6.03	5.89	5.57	5.15	4.53	3.38	3.10	1.33	0.15
<b>-33</b>	6.27	5.63	5.82	5.78	5.48	4.82	3.57	3.13	1.27	0.15
<b>-37.5</b>	6.14	5.68	6.05	6.07	5.71	4.97	3.61	2.96	1.09	0.15
<b>-42.5</b>	5.86	5.42	5.72	5.64	5.19	4.44	3.09	2.27	0.74	0.13
<b>-47.5</b>	7.38	6.70	6.91	6.65	5.97	4.90	3.15	2.04	0.63	0.17
<b>-55</b>	5.78	5.12	5.16	4.86	4.16	3.08	1.73	1.08	0.43	0.16
<b>-65</b>	1.83	1.60	1.62	1.52	1.22	0.79	0.42	0.36	0.27	0.11
<b>-75</b>	0.27	0.25	0.28	0.28	0.28	0.27	0.22	0.26	0.22	0.09
<b>-85</b>	0.05	0.05	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.02
<b>-90</b>	0.05	0.05	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.02
<b>Total</b>	481.72	321.01	259.08	205.30	164.10	131.84	93.80	85.06	39.47	5.83

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00	0.92	
<b>85</b>				
	0.02	0.00	4.40	
<b>75</b>				
	0.03	0.00	26.25	
<b>65</b>				
	0.04	0.00	82.11	
<b>55</b>				
	0.04	0.00	105.09	
<b>47.5</b>				
	0.03	0.00	83.94	
<b>42.5</b>				
	0.03	0.00	89.92	
<b>37.5</b>				
	0.03	0.00	94.79	
<b>33</b>				
	0.03	0.00	113.38	
<b>29</b>				
	0.03	0.00	143.95	
<b>25.5</b>				
	0.02	0.00	183.38	
<b>22.5</b>				
	0.02	0.00	279.59	
<b>19.5</b>				
	0.02	0.00	346.85	
<b>17</b>				
	0.02	0.00	386.05	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

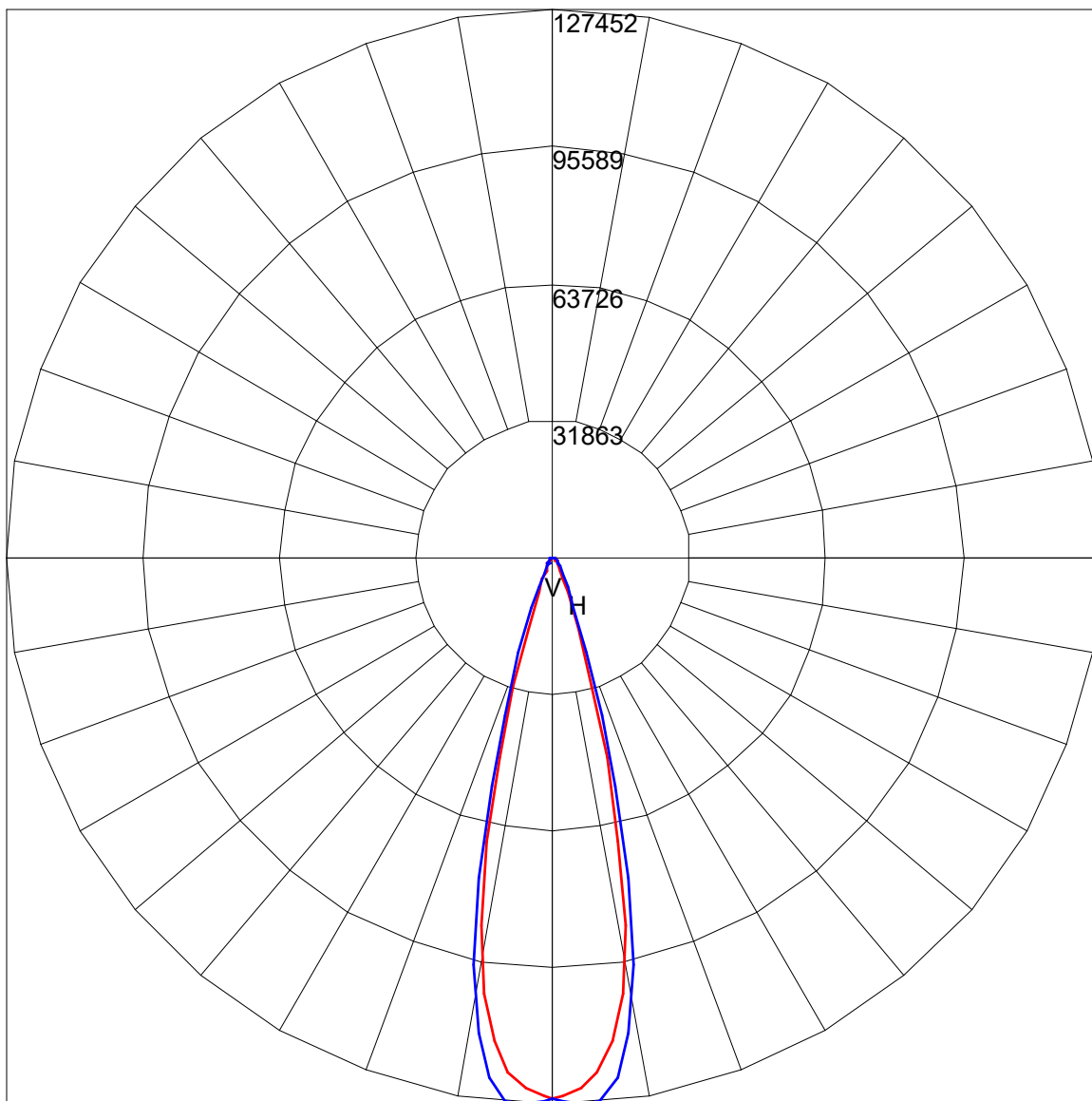
<b>15</b>	0.02	0.00	514.85
<b>13</b>	0.02	0.00	660.98
<b>11</b>	0.02	0.00	803.05
<b>9</b>	0.02	0.00	920.40
<b>7</b>	0.02	0.00	1000.82
<b>5</b>	0.02	0.00	1047.31
<b>3</b>	0.02	0.00	1067.61
<b>1</b>	0.01	0.00	535.19
<b>0</b>	0.01	0.00	535.19
<b>-1</b>	0.02	0.00	1067.61
<b>-3</b>	0.02	0.00	1047.31
<b>-5</b>	0.02	0.00	1000.82
<b>-7</b>	0.02	0.00	920.40
<b>-9</b>	0.02	0.00	803.05
<b>-11</b>	0.02	0.00	660.98
<b>-13</b>	0.02	0.00	514.85
<b>-15</b>	0.02	0.00	386.05
<b>-17</b>	0.02	0.00	346.85
<b>-19.5</b>	0.02	0.00	279.59
<b>-22.5</b>	0.02	0.00	183.38
<b>-25.5</b>	0.03	0.00	143.95
<b>-29</b>	0.03	0.00	113.38
<b>-33</b>	0.03	0.00	94.79
<b>-37.5</b>	0.03	0.00	89.92
<b>-42.5</b>	0.03	0.00	83.94
<b>-47.5</b>	0.04	0.00	105.09
<b>-55</b>	0.04	0.00	82.11
<b>-65</b>	0.03	0.00	26.25

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

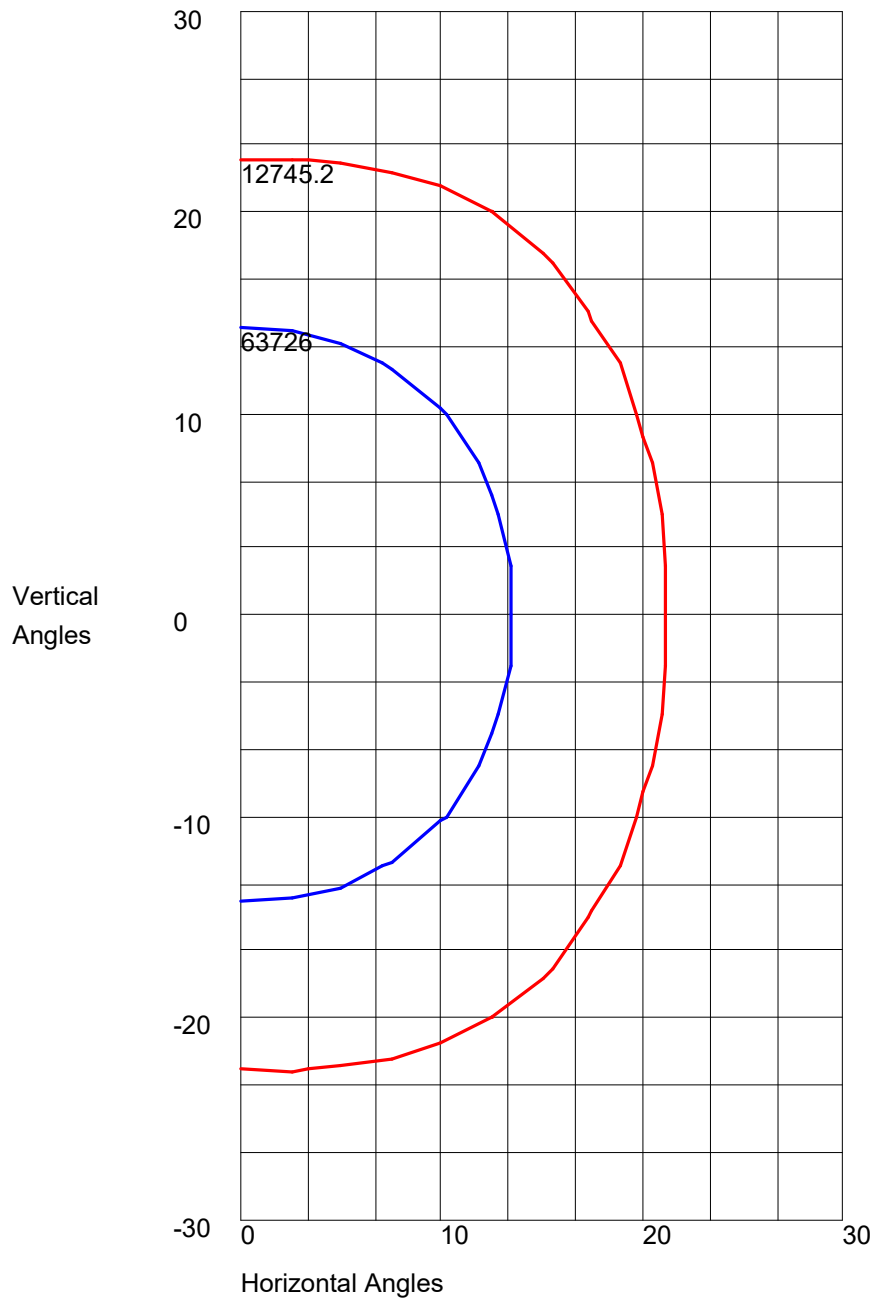
<b>-75</b>	0.02	0.00	4.40
<b>-85</b>	0.00	0.00	0.92
<b>-90</b>			
<b>Total</b>	1.00	0.03	16981.63

AXIAL CANDELA DISPLAY



Maximum Candela = 127452 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 127452 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 63726  
10% Maximum Candela = 12745.2