



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12620
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-WF-50-80-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	5 H x 5 V
Maximum Candela	35455
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	25166
Beam Efficiency	N.A.
Field Lumens	35502
Field Efficiency	N.A.
Spill Lumens	2711
Luminaire Lumens	38213
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



PFL

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	14	85	38
75	56	75	216
65	278	65	590
55	1316	55	1765
47.5	3519	47.5	4255
42.5	5697	42.5	6981
37.5	9180	37.5	10428
33	14137	33	15254
29	19662	29	20802
25.5	24356	25.5	24992
22.5	27817	22.5	27532
19.5	30476	19.5	29368
17	32383	17	30719
15	33501	15	31665
13	34055	13	32502
11	34475	11	33261
9	34776	9	33936
7	34972	7	34512
5	35080	5	34968
3	35130	3	35316
1	35220	1	35324
0	35271	0	35271
-1	35220	-1	35345
-3	35130	-3	35455
-5	35080	-5	35454
-7	34972	-7	35284
-9	34776	-9	34984
-11	34475	-11	34574
-13	34055	-13	34051
-15	33501	-15	33384
-17	32383	-17	32566
-19.5	30476	-19.5	31503
-22.5	27817	-22.5	29185
-25.5	24356	-25.5	25666
-29	19662	-29	22326
-33	14137	-33	16067
-37.5	9180	-37.5	9852
-42.5	5697	-42.5	6354
-47.5	3519	-47.5	4246
-55	1316	-55	1552
-65	278	-65	428
-75	56	-75	14
-85	14	-85	10
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 35455

Beam Edge = 17727.5 Cd (50% of Max.)

Field Edge = 3545.5 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	2	8	16	23	25	27	28	29	31
75.0	0	5	17	25	35	54	73	92	110	135
65.0	0	8	21	38	97	170	226	293	352	406
55.0	0	10	26	76	232	410	555	720	888	1044
47.5	0	11	32	116	369	691	959	1310	1681	2048
42.5	0	12	37	145	481	929	1341	1897	2509	3144
37.5	0	12	42	174	611	1233	1849	2701	3643 *	4628 *
33.0	0	13	45	201	735	1540	2384	3559 *	4823 *	6125 *
29.0	0	13	49	224	834	1847	2902	4374 *	5948 *	7698 *
25.5	0	13	52	242	935	2112	3375	5123 *	7029 *	9227 *
22.5	0	14	54	255	1010	2375	3795 *	5758 *	8035 *	10773 *
19.5	0	14	55	267	1079	2605	4214 *	6429 *	9047 *	12428 *
17.0	0	14	56	274	1144	2787	4499 *	6973 *	10031 *	13816 *
15.0	0	14	57	278	1189	2950	4745 *	7372 *	10812 *	14835 *
13.0	0	14	57	280	1227	3090	5006 *	7822 *	11492 *	15979 *
11.0	0	14	57	280	1259	3208	5231 *	8209 *	12170 *	17005 *
9.0	0	14	57	282	1282	3305	5404 *	8524 *	12794 *	17900 *
7.0	0	14	57	284	1299	3379	5529 *	8773 *	13293 *	18590 *
5.0	0	14	58	284	1315	3435	5608 *	8957 *	13662 *	19111 *
3.0	0	14	57	284	1332	3507	5704 *	9086 *	13909 *	19478 *
1.0	0	14	56	280	1321	3515	5699 *	9174 *	14093 *	19647 *
0.0	0	14	56	278	1316	3519	5697 *	9180 *	14137 *	19662 *
-1.0	0	14	56	277	1317	3514	5706 *	9232 *	14206 *	19772 *
-3.0	0	14	55	276	1318	3504	5723 *	9255 *	14243 *	19847 *
-5.0	0	14	55	271	1292	3428	5635 *	9180 *	14079 *	19619 *
-7.0	0	14	53	266	1269	3369	5559 *	9010 *	13769 *	19230 *
-9.0	0	14	52	260	1244	3293	5447 *	8764 *	13326 *	18658 *
-11.0	0	13	51	252	1212	3196	5299 *	8445 *	12756 *	17899 *
-13.0	0	13	50	246	1171	3077	5116 *	8063 *	12109 *	16996 *
-15.0	0	13	48	239	1123	2937	4887 *	7618 *	11458 *	15959 *
-17.0	0	13	47	231	1066	2777	4608 *	7194 *	10716 *	14947 *
-19.5	0	12	45	218	985	2568	4237 *	6561 *	9650 *	13360 *
-22.5	0	12	42	200	898	2290	3757 *	5726 *	8389 *	11426 *
-25.5	0	12	39	183	804	1962	3303	4966 *	7120 *	9582 *
-29.0	0	11	36	162	679	1644	2720	4087 *	5755 *	7657 *
-33.0	0	10	32	137	566	1301	2078	3180	4360 *	5760 *
-37.5	0	10	29	109	444	986	1515	2278	3123	4041 *
-42.5	0	9	25	83	325	705	1060	1561	2112	2693
-47.5	0	8	21	59	224	494	733	1062	1401	1803
-55.0	0	6	17	32	107	234	350	485	634	772
-65.0	0	4	11	17	25	51	85	127	171	212
-75.0	0	3	5	8	10	12	12	13	14	16
-85.0	0	1	2	3	4	5	5	5	6	7
-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	32	33	34	35	36	36	37	38	38	37
75.0	158	175	188	198	205	208	210	212	213	217
65.0	454	491	523	547	565	578	584	588	591	590
55.0	1191	1296	1407	1517	1593	1658	1701	1726	1739	1764
47.5	2382	2740	3054	3299	3506	3693 *	3858 *	3992 *	4099 *	4162 *
42.5	3758 *	4311 *	4908 *	5360 *	5686 *	6004 *	6299 *	6533 *	6706 *	6835 *
37.5	5586 *	6401 *	7263 *	7951 *	8445 *	8945 *	9385 *	9757 *	10024 *	10226 *
33.0	7429 *	8657 *	9921 *	11000 *	11806 *	12537 *	13313 *	13999 *	14507 *	14889 *
29.0	9496 *	11285 *	13108 *	14651 *	15919 *	17208 *	18200 *	19042 *	19741 *	20288 *
25.5	11665 *	14018 *	16468 *	18688 *	20134 *	21351 *	22428 *	23309 *	24030 *	24521 *
22.5	13758 *	16638 *	19530 *	21715 *	23271 *	24412 *	25359 *	26079 *	26694 *	27129 *
19.5	15914 *	19177 *	22073 *	24215 *	25716 *	26867 *	27692 *	28286 *	28760 *	29076 *
17.0	17751 *	21046 *	23915 *	26000 *	27494 *	28440 *	29221 *	29772 *	30170 *	30419 *
15.0	19059 *	22394 *	25174 *	27307 *	28608 *	29592 *	30234 *	30785 *	31162 *	31388 *
13.0	20248 *	23613 *	26324 *	28404 *	29770 *	30544 *	31189 *	31677 *	32068 *	32289 *
11.0	21389 *	24735 *	27377 *	29514 *	30681 *	31463 *	32035 *	32501 *	32869 *	33080 *
9.0	22309 *	25596 *	28242 *	30242 *	31522 *	32223 *	32764 *	33185 *	33526 *	33755 *
7.0	23067 *	26350 *	29006 *	30968 *	32130 *	32876 *	33367 *	33726 *	34058 *	34296 *
5.0	23674 *	26982 *	29601 *	31580 *	32619 *	33335 *	33851 *	34188 *	34429 *	34667 *
3.0	24109 *	27467 *	30056 *	31993 *	33084 *	33704 *	34142 *	34495 *	34769 *	34906 *
1.0	24325 *	27778 *	30365 *	32273 *	33471 *	34023 *	34440 *	34725 *	34919 *	35035 *
0.0	24356 *	27817 *	30476 *	32383 *	33501 *	34055 *	34475 *	34776 *	34972 *	35080 *
-1.0	24441 *	27916 *	30497 *	32386 *	33568 *	34113 *	34531 *	34848 *	35065 *	35149 *
-3.0	24436 *	27842 *	30438 *	32380 *	33503 *	34142 *	34594 *	34940 *	35203 *	35281 *
-5.0	24164 *	27545 *	30217 *	32250 *	33350 *	34093 *	34617 *	34909 *	35077 *	35227 *
-7.0	23719 *	27095 *	29884 *	31942 *	33157 *	33899 *	34347 *	34648 *	34884 *	35117 *
-9.0	23131 *	26525 *	29348 *	31445 *	32736 *	33443 *	33948 *	34303 *	34618 *	34820 *
-11.0	22379 *	25840 *	28654 *	30801 *	32010 *	32865 *	33419 *	33882 *	34215 *	34374 *
-13.0	21432 *	24948 *	27828 *	29907 *	31300 *	32160 *	32819 *	33335 *	33628 *	33804 *
-15.0	20437 *	23956 *	26899 *	29037 *	30378 *	31409 *	32070 *	32590 *	32875 *	33120 *
-17.0	19266 *	22797 *	25793 *	27905 *	29419 *	30418 *	31200 *	31704 *	32063 *	32326 *
-19.5	17609 *	20878 *	24159 *	26239 *	27787 *	29008 *	29876 *	30433 *	30874 *	31201 *
-22.5	15033 *	18188 *	21126 *	23320 *	24866 *	26124 *	27094 *	27774 *	28432 *	28960 *
-25.5	12338 *	15172 *	17935 *	19842 *	21395 *	22633 *	23535 *	24471 *	25087 *	25410 *
-29.0	9697 *	11668 *	13857 *	15872 *	17360 *	18657 *	19822 *	20954 *	21769 *	22070 *
-33.0	7128 *	8447 *	9775 *	11115 *	12053 *	12896 *	13891 *	14745 *	15335 *	15730 *
-37.5	4905 *	5680 *	6603 *	7333 *	7849 *	8481 *	9050 *	9528 *	9752 *	9841 *
-42.5	3279	3811 *	4348 *	4754 *	5098 *	5428 *	5726 *	5949 *	6112 *	6239 *
-47.5	2177	2515	2861	3156	3386	3597 *	3784 *	3916 *	4030 *	4124 *
-55.0	925	1049	1176	1289	1371	1446	1496	1529	1552	1564
-65.0	248	278	310	338	359	378	392	405	415	424
-75.0	16	16	16	16	16	16	16	15	15	15
-85.0	8	8	9	10	10	10	10	10	10	10
-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	37	38	38	38	37	37	38	38	37	36
75.0	217	216	216	216	217	217	213	212	210	208
65.0	593	591	590	591	593	590	591	588	584	578

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CANDELA TABULATION - (Cont.)

55.0	1788	1773	1765	1773	1788	1764	1739	1726	1701	1658
47.5	4209 *	4240 *	4255 *	4240 *	4209 *	4162 *	4099 *	3992 *	3858 *	3693 *
42.5	6975 *	6979 *	6981 *	6979 *	6975 *	6835 *	6706 *	6533 *	6299 *	6004 *
37.5	10441 *	10458 *	10428 *	10458 *	10441 *	10226 *	10024 *	9757 *	9385 *	8945 *
33.0	15209 *	15281 *	15254 *	15281 *	15209 *	14889 *	14507 *	13999 *	13313 *	12537 *
29.0	20695 *	20832 *	20802 *	20832 *	20695 *	20288 *	19741 *	19042 *	18200 *	17208 *
25.5	24856 *	25013 *	24992 *	25013 *	24856 *	24521 *	24030 *	23309 *	22428 *	21351 *
22.5	27411 *	27570 *	27532 *	27570 *	27411 *	27129 *	26694 *	26079 *	25359 *	24412 *
19.5	29322 *	29386 *	29368 *	29386 *	29322 *	29076 *	28760 *	28286 *	27692 *	26867 *
17.0	30595 *	30668 *	30719 *	30668 *	30595 *	30419 *	30170 *	29772 *	29221 *	28440 *
15.0	31550 *	31609 *	31665 *	31609 *	31550 *	31388 *	31162 *	30785 *	30234 *	29592 *
13.0	32432 *	32416 *	32502 *	32416 *	32432 *	32289 *	32068 *	31677 *	31189 *	30544 *
11.0	33217 *	33184 *	33261 *	33184 *	33217 *	33080 *	32869 *	32501 *	32035 *	31463 *
9.0	33880 *	33912 *	33936 *	33912 *	33880 *	33755 *	33526 *	33185 *	32764 *	32223 *
7.0	34441 *	34522 *	34512 *	34522 *	34441 *	34296 *	34058 *	33726 *	33367 *	32876 *
5.0	34850 *	34975 *	34968 *	34975 *	34850 *	34667 *	34429 *	34188 *	33851 *	33335 *
3.0	35071 *	35273 *	35316 *	35273 *	35071 *	34906 *	34769 *	34495 *	34142 *	33704 *
1.0	35135 *	35269 *	35324 *	35269 *	35135 *	35035 *	34919 *	34725 *	34440 *	34023 *
0.0	35130 *	35220 *	35271 *	35220 *	35130 *	35080 *	34972 *	34776 *	34475 *	34055 *
-1.0	35250 *	35290 *	35345 *	35290 *	35250 *	35149 *	35065 *	34848 *	34531 *	34113 *
-3.0	35306 *	35412 *	35455 *	35412 *	35306 *	35281 *	35203 *	34940 *	34594 *	34142 *
-5.0	35347 *	35404 *	35454 *	35404 *	35347 *	35227 *	35077 *	34909 *	34617 *	34093 *
-7.0	35217 *	35246 *	35284 *	35246 *	35217 *	35117 *	34884 *	34648 *	34347 *	33899 *
-9.0	34923 *	34940 *	34984 *	34940 *	34923 *	34820 *	34618 *	34303 *	33948 *	33443 *
-11.0	34485 *	34501 *	34574 *	34501 *	34485 *	34374 *	34215 *	33882 *	33419 *	32865 *
-13.0	33927 *	33959 *	34051 *	33959 *	33927 *	33804 *	33628 *	33335 *	32819 *	32160 *
-15.0	33260 *	33325 *	33384 *	33325 *	33260 *	33120 *	32875 *	32590 *	32070 *	31409 *
-17.0	32448 *	32504 *	32566 *	32504 *	32448 *	32326 *	32063 *	31704 *	31200 *	30418 *
-19.5	31335 *	31427 *	31503 *	31427 *	31335 *	31201 *	30874 *	30433 *	29876 *	29008 *
-22.5	29212 *	29272 *	29185 *	29272 *	29212 *	28960 *	28432 *	27774 *	27094 *	26124 *
-25.5	25562 *	25643 *	25666 *	25643 *	25562 *	25410 *	25087 *	24471 *	23535 *	22633 *
-29.0	22270 *	22343 *	22326 *	22343 *	22270 *	22070 *	21769 *	20954 *	19822 *	18657 *
-33.0	15964 *	16066 *	16067 *	16066 *	15964 *	15730 *	15335 *	14745 *	13891 *	12896 *
-37.5	9817 *	9869 *	9852 *	9869 *	9817 *	9841 *	9752 *	9528 *	9050 *	8481 *
-42.5	6365 *	6358 *	6354 *	6358 *	6365 *	6239 *	6112 *	5949 *	5726 *	5428 *
-47.5	4218 *	4237 *	4246 *	4237 *	4218 *	4124 *	4030 *	3916 *	3784 *	3597 *
-55.0	1577	1560	1552	1560	1577	1564	1552	1529	1496	1446
-65.0	431	429	428	429	431	424	415	405	392	378
-75.0	15	14	14	14	15	15	15	15	16	16
-85.0	10	10	10	10	10	10	10	10	10	10
-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	36	35	34	33	32	31	29	28	27	25
75.0	205	198	188	175	158	135	110	92	73	54
65.0	565	547	523	491	454	406	352	293	226	170
55.0	1593	1517	1407	1296	1191	1044	888	720	555	410
47.5	3506	3299	3054	2740	2382	2048	1681	1310	959	691
42.5	5686 *	5360 *	4908 *	4311 *	3758 *	3144	2509	1897	1341	929
37.5	8445 *	7951 *	7263 *	6401 *	5586 *	4628 *	3643 *	2701	1849	1233
33.0	11806 *	11000 *	9921 *	8657 *	7429 *	6125 *	4823 *	3559 *	2384	1540
29.0	15919 *	14651 *	13108 *	11285 *	9496 *	7698 *	5948 *	4374 *	2902	1847
25.5	20134 *	18688 *	16468 *	14018 *	11665 *	9227 *	7029 *	5123 *	3375	2112

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CANDELA TABULATION - (Cont.)

22.5	23271 *	21715 *	19530 *	16638 *	13758 *	10773 *	8035 *	5758 *	3795 *	2375
19.5	25716 *	24215 *	22073 *	19177 *	15914 *	12428 *	9047 *	6429 *	4214 *	2605
17.0	27494 *	26000 *	23915 *	21046 *	17751 *	13816 *	10031 *	6973 *	4499 *	2787
15.0	28608 *	27307 *	25174 *	22394 *	19059 *	14835 *	10812 *	7372 *	4745 *	2950
13.0	29770 *	28404 *	26324 *	23613 *	20248 *	15979 *	11492 *	7822 *	5006 *	3090
11.0	30681 *	29514 *	27377 *	24735 *	21389 *	17005 *	12170 *	8209 *	5231 *	3208
9.0	31522 *	30242 *	28242 *	25596 *	22309 *	17900 *	12794 *	8524 *	5404 *	3305
7.0	32130 *	30968 *	29006 *	26350 *	23067 *	18590 *	13293 *	8773 *	5529 *	3379
5.0	32619 *	31580 *	29601 *	26982 *	23674 *	19111 *	13662 *	8957 *	5608 *	3435
3.0	33084 *	31993 *	30056 *	27467 *	24109 *	19478 *	13909 *	9086 *	5704 *	3507
1.0	33471 *	32273 *	30365 *	27778 *	24325 *	19647 *	14093 *	9174 *	5699 *	3515
0.0	33501 *	32383 *	30476 *	27817 *	24356 *	19662 *	14137 *	9180 *	5697 *	3519
-1.0	33568 *	32386 *	30497 *	27916 *	24441 *	19772 *	14206 *	9232 *	5706 *	3514
-3.0	33503 *	32380 *	30438 *	27842 *	24436 *	19847 *	14243 *	9255 *	5723 *	3504
-5.0	33350 *	32250 *	30217 *	27545 *	24164 *	19619 *	14079 *	9180 *	5635 *	3428
-7.0	33157 *	31942 *	29884 *	27095 *	23719 *	19230 *	13769 *	9010 *	5559 *	3369
-9.0	32736 *	31445 *	29348 *	26525 *	23131 *	18658 *	13326 *	8764 *	5447 *	3293
-11.0	32010 *	30801 *	28654 *	25840 *	22379 *	17899 *	12756 *	8445 *	5299 *	3196
-13.0	31300 *	29907 *	27828 *	24948 *	21432 *	16996 *	12109 *	8063 *	5116 *	3077
-15.0	30378 *	29037 *	26899 *	23956 *	20437 *	15959 *	11458 *	7618 *	4887 *	2937
-17.0	29419 *	27905 *	25793 *	22797 *	19266 *	14947 *	10716 *	7194 *	4608 *	2777
-19.5	27787 *	26239 *	24159 *	20878 *	17609 *	13360 *	9650 *	6561 *	4237 *	2568
-22.5	24866 *	23320 *	21126 *	18188 *	15033 *	11426 *	8389 *	5726 *	3757 *	2290
-25.5	21395 *	19842 *	17935 *	15172 *	12338 *	9582 *	7120 *	4966 *	3303 *	1962
-29.0	17360 *	15872 *	13857 *	11668 *	9697 *	7657 *	5755 *	4087 *	2720 *	1644
-33.0	12053 *	11115 *	9775 *	8447 *	7128 *	5760 *	4360 *	3180 *	2078 *	1301
-37.5	7849 *	7333 *	6603 *	5680 *	4905 *	4041 *	3123 *	2278 *	1515 *	986
-42.5	5098 *	4754 *	4348 *	3811 *	3279 *	2693 *	2112 *	1561 *	1060 *	705
-47.5	3386 *	3156 *	2861 *	2515 *	2177 *	1803 *	1401 *	1062 *	733 *	494
-55.0	1371 *	1289 *	1176 *	1049 *	925 *	772 *	634 *	485 *	350 *	234
-65.0	359 *	338 *	310 *	278 *	248 *	212 *	171 *	127 *	85 *	51
-75.0	16 *	16 *	16 *	16 *	16 *	16 *	14 *	13 *	12 *	12
-85.0	10 *	10 *	9 *	8 *	8 *	7 *	6 *	5 *	5 *	5
-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	23	16	8	2	0
75.0	35	25	17	5	0
65.0	97	38	21	8	0
55.0	232	76	26	10	0
47.5	369	116	32	11	0
42.5	481	145	37	12	0
37.5	611	174	42	12	0
33.0	735	201	45	13	0
29.0	834	224	49	13	0
25.5	935	242	52	13	0
22.5	1010	255	54	14	0
19.5	1079	267	55	14	0
17.0	1144	274	56	14	0
15.0	1189	278	57	14	0
13.0	1227	280	57	14	0
11.0	1259	280	57	14	0
9.0	1282	282	57	14	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1299	284	57	14	0
5.0	1315	284	58	14	0
3.0	1332	284	57	14	0
1.0	1321	280	56	14	0
0.0	1316	278	56	14	0
-1.0	1317	277	56	14	0
-3.0	1318	276	55	14	0
-5.0	1292	271	55	14	0
-7.0	1269	266	53	14	0
-9.0	1244	260	52	14	0
-11.0	1212	252	51	13	0
-13.0	1171	246	50	13	0
-15.0	1123	239	48	13	0
-17.0	1066	231	47	13	0
-19.5	985	218	45	12	0
-22.5	898	200	42	12	0
-25.5	804	183	39	12	0
-29.0	679	162	36	11	0
-33.0	566	137	32	10	0
-37.5	444	109	29	10	0
-42.5	325	83	25	9	0
-47.5	224	59	21	8	0
-55.0	107	32	17	6	0
-65.0	25	17	11	4	0
-75.0	10	8	5	3	0
-85.0	4	3	2	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19106.68

Total Field Lumens (one side of beam only) = 17751.23

* 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	0.05	0.05	0.05
75	0.39	0.77	0.77	0.76	0.76	0.75	0.73	0.72	0.69	0.82
65	1.23	2.46	2.46	2.44	2.42	2.39	2.35	2.30	2.22	2.63
55	3.59	7.22	7.19	7.09	7.00	6.90	6.74	6.49	6.18	7.22
47.5	6.87	13.71	13.59	13.36	13.07	12.69	12.19	11.58	10.89	12.58
42.5	8.55 *	17.05 *	16.85 *	16.51 *	16.08 *	15.51 *	14.79 *	13.96 *	13.07 *	15.02 *
37.5	13.27 *	26.52 *	26.19 *	25.59 *	24.90 *	23.98 *	22.82 *	21.49 *	20.09 *	23.04 *
33	17.62 *	35.20 *	34.71 *	33.84 *	32.77 *	31.35 *	29.62 *	27.75 *	25.83 *	29.40 *
29	21.98 *	43.85 *	43.20 *	42.06 *	40.59 *	38.73 *	36.50 *	33.97 *	31.26 *	35.20 *
25.5	24.42 *	48.69 *	48.05 *	46.96 *	45.46 *	43.56 *	41.29 *	38.59 *	35.56 *	39.81 *
22.5	24.01 *	47.88 *	47.36 *	46.52 *	45.30 *	43.73 *	41.81 *	39.53 *	36.81 *	41.44 *
19.5	26.01 *	51.91 *	51.48 *	50.74 *	49.69 *	48.33 *	46.63 *	44.45 *	41.69 *	47.48 *
17	22.87 *	45.65 *	45.36 *	44.84 *	44.11 *	43.11 *	41.79 *	40.09 *	37.85 *	43.48 *
15	18.99 *	37.88 *	37.66 *	37.30 *	36.77 *	36.00 *	35.00 *	33.73 *	32.04 *	37.03 *
13	19.52 *	38.97 *	38.79 *	38.44 *	37.91 *	37.16 *	36.22 *	35.03 *	33.41 *	38.77 *
11	20.01 *	39.95 *	39.81 *	39.47 *	38.95 *	38.22 *	37.31 *	36.19 *	34.66 *	40.36 *
9	20.45 *	40.85 *	40.70 *	40.36 *	39.84 *	39.14 *	38.28 *	37.21 *	35.71 *	41.72 *
7	20.85 *	41.63 *	41.44 *	41.09 *	40.57 *	39.91 *	39.10 *	38.05 *	36.56 *	42.83 *
5	21.17 *	42.25 *	42.01 *	41.64 *	41.14 *	40.54 *	39.75 *	38.71 *	37.27 *	43.81 *
3	21.40 *	42.67 *	42.39 *	42.04 *	41.59 *	41.00 *	40.23 *	39.23 *	37.85 *	44.56 *
1	21.50 *	42.85 *	42.59 *	42.30 *	41.90 *	41.34 *	40.61 *	39.69 *	38.30 *	45.09 *
0	10.74 *	21.42 *	21.33 *	21.21 *	21.02 *	20.76 *	20.41 *	19.96 *	19.27 *	22.69 *
-1	10.75 *	21.44 *	21.36 *	21.25 *	21.06 *	20.79 *	20.44 *	19.98 *	19.30 *	22.73 *
	21.55 *	43.00 *	42.84 *	42.62 *	42.25 *	41.67 *	40.93 *	40.00 *	38.60 *	45.45 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	21.58 *	43.07 *	42.89 *	42.65 *	42.27 *	41.71 *	40.95 *	39.93 *	38.50 *	45.30 *
-5	21.53 *	42.99 *	42.82 *	42.50 *	42.08 *	41.55 *	40.81 *	39.75 *	38.27 *	44.94 *
-7	21.39 *	42.72 *	42.56 *	42.24 *	41.76 *	41.17 *	40.41 *	39.38 *	37.85 *	44.34 *
-9	21.17 *	42.27 *	42.12 *	41.81 *	41.33 *	40.66 *	39.83 *	38.73 *	37.18 *	43.48 *
-11	20.88 *	41.67 *	41.50 *	41.21 *	40.74 *	40.03 *	39.11 *	37.93 *	36.31 *	42.37 *
-13	20.52 *	40.94 *	40.75 *	40.42 *	39.95 *	39.24 *	38.27 *	37.02 *	35.32 *	41.10 *
-15	20.07 *	40.04 *	39.85 *	39.50 *	38.98 *	38.27 *	37.27 *	35.95 *	34.18 *	39.64 *
-17	24.37 *	48.60 *	48.36 *	47.89 *	47.16 *	46.20 *	44.88 *	43.09 *	40.75 *	47.05 *
-19.5	27.73 *	55.36 *	55.02 *	54.29 *	53.17 *	51.83 *	50.10 *	47.78 *	44.89 *	51.44 *
-22.5	25.08 *	50.09 *	49.75 *	49.02 *	47.85 *	46.29 *	44.42 *	42.12 *	39.27 *	44.60 *
-25.5	25.58 *	51.05 *	50.68 *	50.01 *	48.71 *	46.61 *	44.14 *	41.40 *	38.16 *	42.72 *
-29	23.39 *	46.66 *	46.21 *	45.38 *	43.92 *	41.64 *	38.89 *	36.04 *	33.03 *	36.61 *
-33	17.77 *	35.42 *	35.11 *	34.53 *	33.50 *	31.87 *	29.71 *	27.45 *	25.27 *	28.33 *
-37.5	12.35 *	24.66 *	24.51 *	24.19 *	23.63 *	22.69 *	21.37 *	19.84 *	18.33 *	20.83 *
-42.5	8.07 *	16.12 *	15.91 *	15.53 *	15.09 *	14.53 *	13.81 *	12.94 *	12.00 *	13.67 *
-47.5	6.62	13.23	13.08	12.80	12.47	12.06	11.53	10.86	10.10	11.50
-55	3.02	6.08	6.07	5.99	5.88	5.73	5.53	5.25	4.91	5.63
-65	0.67	1.35	1.34	1.32	1.28	1.24	1.19	1.14	1.07	1.23
-75	0.04	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09
-85	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
-90										
Total	699.63	1396.29	1386.79	1369.87	1345.09	1311.02	1267.91	1215.44	1150.64	1328.11

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.09	0.07	0.03
85	0.92	0.83	0.84	0.80	0.72	0.64	0.48	0.49	0.38	0.17
75	2.94	2.67	2.73	2.62	2.37	1.99	1.41	1.27	0.74	0.26
65	7.93	7.16	7.33	7.02	6.30	5.23	3.66	3.25	1.68	0.42
55	13.59	11.91	11.84	11.08	9.65	7.75	5.28	4.56	2.26	0.49

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LUMENS TABULATION - (Cont.)

47.5	16.01 *	13.76	13.42	12.25	10.35	8.03	5.28	4.41	2.11	0.43
42.5	24.40 *	20.93 *	20.28 *	18.17	15.04	11.35	7.20	5.81	2.68	0.52
37.5	30.94 *	26.36 *	25.34 *	22.58 *	18.54 *	13.77	8.49	6.62	2.95	0.54
33	36.66 *	30.77 *	29.14 *	25.68 *	20.93 *	15.42	9.34	7.08	3.03	0.54
29	40.96 *	33.94 *	31.58 *	27.32 *	22.01 *	16.10 *	9.64	7.16	2.97	0.52
25.5	42.64 *	35.11 *	32.29 *	27.46 *	21.78 *	15.79 *	9.41	6.89	2.79	0.47
22.5	49.53 *	41.00 *	37.58 *	31.55 *	24.57 *	17.67 *	10.49	7.58	2.98	0.49
19.5	45.96 *	38.55 *	35.48 *	29.58 *	22.72 *	16.12 *	9.49	6.80	2.63	0.42
17	39.47 *	33.49 *	31.02 *	25.84 *	19.69 *	13.76 *	8.06 *	5.77	2.19	0.35
15	41.59 *	35.61 *	33.23 *	27.73 *	20.98 *	14.55 *	8.50 *	6.04	2.26	0.35
13	43.53 *	37.56 *	35.36 *	29.58 *	22.21 *	15.32 *	8.90 *	6.28	2.32	0.35
11	45.19 *	39.25 *	37.25 *	31.26 *	23.33 *	15.96 *	9.23 *	6.47	2.36	0.35
9	46.57 *	40.62 *	38.79 *	32.67 *	24.28 *	16.46 *	9.48 *	6.62	2.39	0.35
7	47.75 *	41.77 *	40.01 *	33.76 *	25.00 *	16.83 *	9.66 *	6.74	2.42	0.36
5	48.67 *	42.67 *	40.93 *	34.54 *	25.52 *	17.12 *	9.83 *	6.85	2.45	0.36
3	49.33 *	43.27 *	41.49 *	35.05 *	25.89 *	17.30 *	9.92 *	6.91	2.45	0.35
1	24.83 *	21.76 *	20.85 *	17.63 *	13.03 *	8.67 *	4.96 *	3.45	1.22	0.17
0	24.89 *	21.81 *	20.90 *	17.69 *	13.08 *	8.69 *	4.96 *	3.45	1.21	0.17
-1	49.77 *	43.67 *	41.93 *	35.54 *	26.26 *	17.45 *	9.93 *	6.90	2.42	0.35
-3	49.50 *	43.40 *	41.73 *	35.39 *	26.16 *	17.38 *	9.85 *	6.82	2.40	0.34
-5	48.94 *	42.79 *	41.10 *	34.82 *	25.76 *	17.14 *	9.68 *	6.69	2.36	0.34
-7	48.13 *	41.93 *	40.15 *	33.93 *	25.11 *	16.78 *	9.51 *	6.56	2.31	0.33
-9	47.07 *	40.85 *	38.89 *	32.70 *	24.22 *	16.30 *	9.28 *	6.39	2.26	0.32
-11	45.75 *	39.48 *	37.29 *	31.20 *	23.15 *	15.70 *	8.98 *	6.18	2.19	0.31
-13	44.20 *	37.89 *	35.45 *	29.51 *	21.96 *	14.98 *	8.62 *	5.94	2.11	0.30
-15	42.42 *	36.08 *	33.46 *	27.71 *	20.70 *	14.18 *	8.19 *	5.65	2.02	0.29
-17	49.92 *	42.02 *	38.61 *	31.77 *	23.87 *	16.48 *	9.55 *	6.61	2.38	0.35
-19.5	53.97 *	44.89 *	40.82 *	33.54 *	25.45 *	17.74 *	10.38	7.22	2.63	0.39

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	46.33 *	38.02 *	34.39 *	28.60 *	21.99 *	15.53 *	9.13	6.38	2.38	0.36
-25.5	43.76 *	35.70 *	32.57 *	27.51 *	21.47 *	15.39 *	9.07	6.36	2.43	0.38
-29	37.32 *	30.84 *	28.66 *	24.57 *	19.45 *	14.07	8.34	5.99	2.35	0.38
-33	29.28 *	24.57 *	23.28 *	20.30 *	16.29	11.88	7.12	5.30	2.15	0.36
-37.5	21.80 *	18.44 *	17.67 *	15.62	12.69	9.35	5.74	4.39	1.83	0.32
-42.5	14.43	12.29	11.79	10.45	8.58	6.44	4.03	3.12	1.31	0.24
-47.5	12.16	10.43	10.09	9.03	7.52	5.75	3.66	2.84	1.20	0.25
-55	6.00	5.22	5.11	4.67	3.96	3.05	1.94	1.49	0.69	0.20
-65	1.32	1.16	1.17	1.08	0.91	0.69	0.43	0.35	0.23	0.11
-75	0.10	0.10	0.11	0.11	0.11	0.10	0.09	0.11	0.10	0.05
-85	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
-90	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
Total	1416.57	1210.68	1142.03	970.03	743.74	521.00	307.28	221.89	86.31	14.45

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		1.25
85				
	0.04	0.00		13.48
75				
	0.07	0.00		41.97
65				
	0.09	0.00		115.72
55				
	0.08	0.00		199.02
47.5				
	0.06	0.00		233.50
42.5				
	0.07	0.00		354.34
37.5				
	0.07	0.00		454.28
33				
	0.06	0.00		546.01
29				
	0.06	0.00		604.66
25.5				
	0.05	0.00		609.07
22.5				
	0.05	0.00		681.89
19.5				
	0.05	0.00		616.97
17				
	0.04	0.00		522.07

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

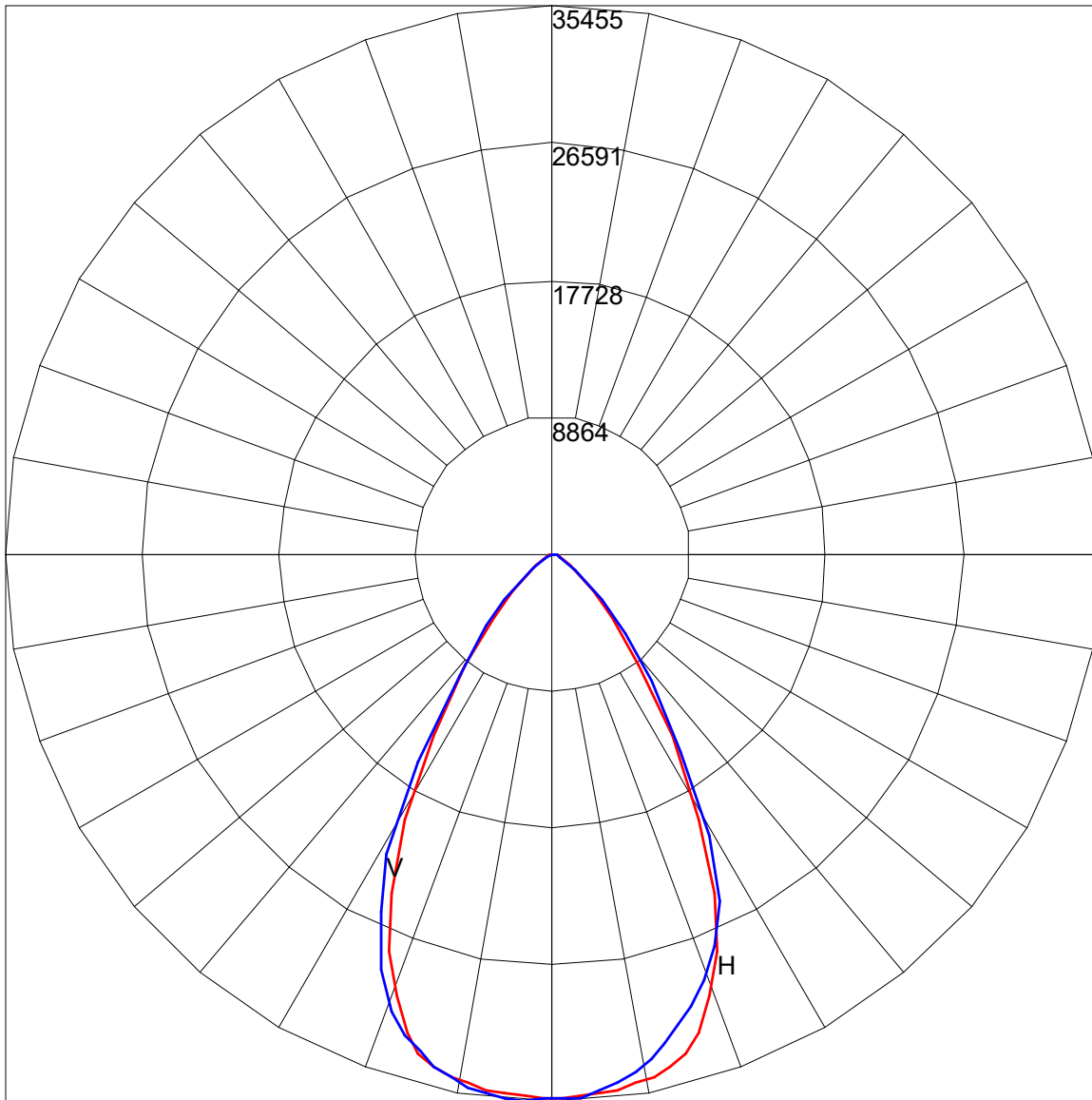
15	0.04	0.00	545.10
13	0.04	0.00	566.37
11	0.04	0.00	584.94
9	0.04	0.00	600.31
7	0.04	0.00	612.62
5	0.04	0.00	621.93
3	0.04	0.00	628.16
1	0.02	0.00	315.41
0	0.02	0.00	316.01
-1	0.04	0.00	633.18
-3	0.04	0.00	631.86
-5	0.04	0.00	626.90
-7	0.04	0.00	618.61
-9	0.03	0.00	606.91
-11	0.03	0.00	592.04
-13	0.03	0.00	574.52
-15	0.03	0.00	554.48
-17	0.04	0.00	659.92
-19.5	0.04	0.00	728.69
-22.5	0.04	0.00	641.65
-25.5	0.05	0.00	633.75
-29	0.05	0.00	563.79
-33	0.05	0.00	439.53
-37.5	0.05	0.00	320.31
-42.5	0.04	0.00	210.40
-47.5	0.05	0.00	177.26
-55	0.05	0.00	86.49
-65	0.03	0.00	19.32

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

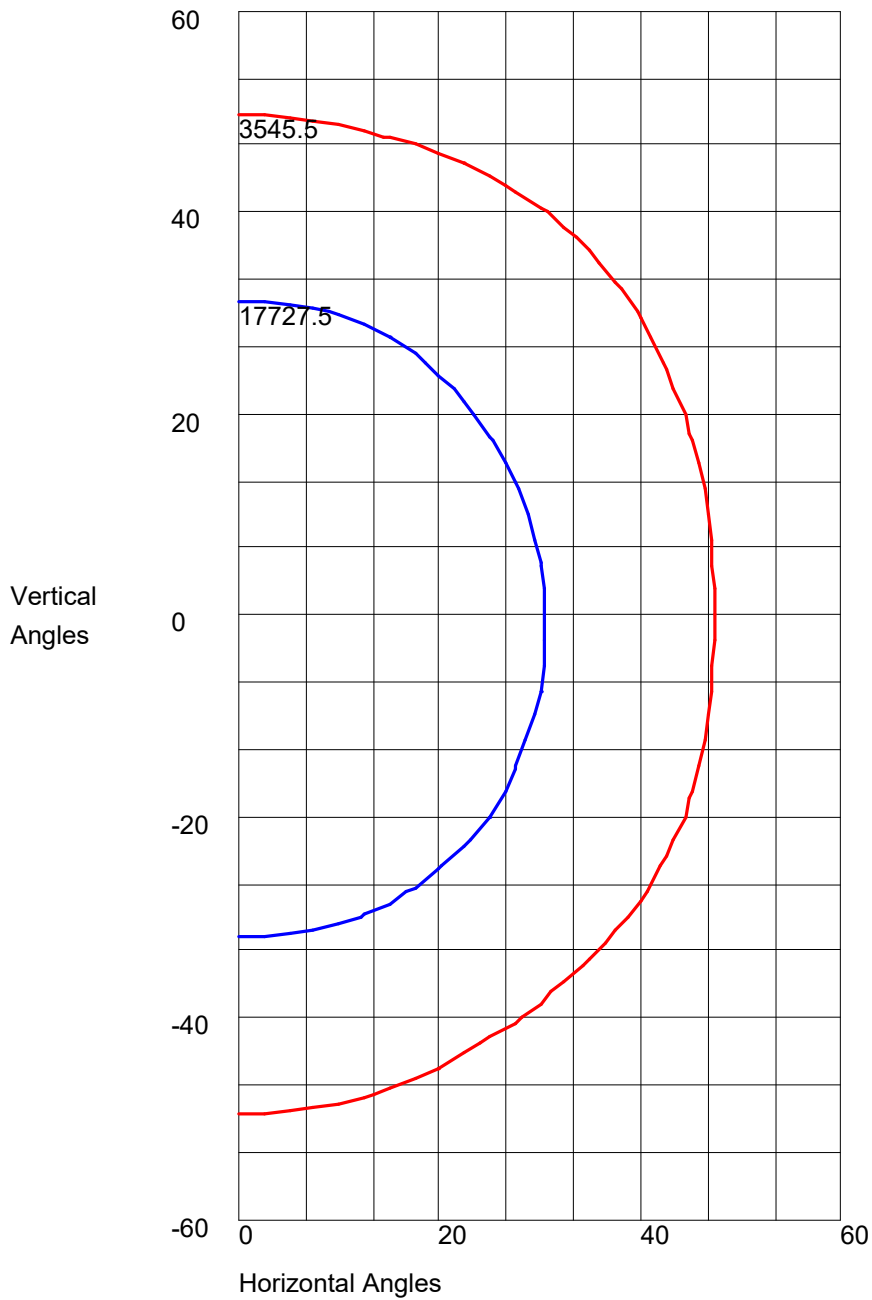
-75	0.01	0.00	1.73
-85	0.00	0.00	0.30
-90			
Total	1.87	0.05	19106.71

AXIAL CANDELA DISPLAY



Maximum Candela = 35455 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 35455 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 17727.5
10% Maximum Candela = 3545.5