



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12453  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/05/21  
[TEST DATE] 01/21/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-12L-PC-WF-40-80  
[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	5 H x 5 V
Maximum Candela	9885
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	71.5
Vertical Beam Angle (50%)	70.9
Horizontal Field Angle (10%)	90.2
Vertical Field Angle (10%)	89.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9603
Beam Efficiency	N.A.
Field Lumens	11170
Field Efficiency	N.A.
Spill Lumens	962
Luminaire Lumens	12132
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	34	85	39
75	104	75	109
65	202	65	209
55	321	55	312
47.5	542	47.5	519
42.5	1465	42.5	1384
37.5	4061	37.5	3972
33	6352	33	6233
29	7676	29	7548
25.5	8396	25.5	8296
22.5	8834	22.5	8744
19.5	9159	19.5	9061
17	9375	17	9267
15	9515	15	9398
13	9622	13	9505
11	9711	11	9589
9	9782	9	9654
7	9835	7	9702
5	9871	5	9733
3	9885	3	9744
1	9832	1	9776
0	9795	0	9795
-1	9832	-1	9776
-3	9885	-3	9744
-5	9871	-5	9733
-7	9835	-7	9702
-9	9782	-9	9654
-11	9711	-11	9589
-13	9622	-13	9505
-15	9515	-15	9398
-17	9375	-17	9267
-19.5	9159	-19.5	9061
-22.5	8834	-22.5	8744
-25.5	8396	-25.5	8296
-29	7676	-29	7548
-33	6352	-33	6233
-37.5	4061	-37.5	3972
-42.5	1465	-42.5	1384
-47.5	542	-47.5	519
-55	321	-55	312
-65	202	-65	209
-75	104	-75	109
-85	34	-85	39
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 9885

Beam Edge = 4942.5 Cd (50% of Max.)

Field Edge = 988.5 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>-90.0</b>	<b>-85.0</b>	<b>-75.0</b>	<b>-65.0</b>	<b>-55.0</b>	<b>-47.5</b>	<b>-42.5</b>	<b>-37.5</b>	<b>-33.0</b>	<b>-29.0</b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	3	11	17	23	26	28	30	32	33
<b>75.0</b>	0	10	31	51	68	77	82	90	98	103
<b>65.0</b>	0	16	48	82	109	129	142	155	165	174
<b>55.0</b>	0	21	63	107	149	182	203	223	238	251
<b>47.5</b>	0	24	73	124	181	222	248	276	299	324
<b>42.5</b>	0	26	79	136	202	247	279	318	365	418
<b>37.5</b>	0	28	84	147	221	274	317	386	491	676
<b>33.0</b>	0	29	88	157	237	299	365	491	760	1330 *
<b>29.0</b>	0	30	92	165	251	326	419	682	1363 *	2612 *
<b>25.5</b>	0	31	95	171	262	351	490	992 *	2259 *	3850 *
<b>22.5</b>	0	32	97	176	271	379	576	1375 *	3103 *	4844 *
<b>19.5</b>	0	32	98	182	281	406	698	1903 *	3950 *	5691 *
<b>17.0</b>	0	33	100	186	289	431	789	2341 *	4560 *	6243 *
<b>15.0</b>	0	33	101	189	295	455	917	2653 *	4992 *	6625 *
<b>13.0</b>	0	33	102	191	301	476	1052 *	3005 *	5378 *	6893 *
<b>11.0</b>	0	34	102	194	306	495	1167 *	3317 *	5672 *	7130 *
<b>9.0</b>	0	34	103	196	311	511	1264 *	3579 *	5900 *	7331 *
<b>7.0</b>	0	34	104	198	314	523	1342 *	3784 *	6081 *	7473 *
<b>5.0</b>	0	34	104	200	317	533	1401 *	3932 *	6217 *	7563 *
<b>3.0</b>	0	34	104	201	320	542	1464 *	4024 *	6308 *	7625 *
<b>1.0</b>	0	34	104	202	321	542	1465 *	4068 *	6349 *	7666 *
<b>0.0</b>	0	34	104	202	321	542	1465 *	4061 *	6352 *	7676 *
<b>-1.0</b>	0	34	104	202	321	542	1465 *	4068 *	6349 *	7666 *
<b>-3.0</b>	0	34	104	201	320	542	1464 *	4024 *	6308 *	7625 *
<b>-5.0</b>	0	34	104	200	317	533	1401 *	3932 *	6217 *	7563 *
<b>-7.0</b>	0	34	104	198	314	523	1342 *	3784 *	6081 *	7473 *
<b>-9.0</b>	0	34	103	196	311	511	1264 *	3579 *	5900 *	7331 *
<b>-11.0</b>	0	34	102	194	306	495	1167 *	3317 *	5672 *	7130 *
<b>-13.0</b>	0	33	102	191	301	476	1052 *	3005 *	5378 *	6893 *
<b>-15.0</b>	0	33	101	189	295	455	917	2653 *	4992 *	6625 *
<b>-17.0</b>	0	33	100	186	289	431	789	2341 *	4560 *	6243 *
<b>-19.5</b>	0	32	98	182	281	406	698	1903 *	3950 *	5691 *
<b>-22.5</b>	0	32	97	176	271	379	576	1375 *	3103 *	4844 *
<b>-25.5</b>	0	31	95	171	262	351	490	992 *	2259 *	3850 *
<b>-29.0</b>	0	30	92	165	251	326	419	682	1363 *	2612 *
<b>-33.0</b>	0	29	88	157	237	299	365	491	760	1330 *
<b>-37.5</b>	0	28	84	147	221	274	317	386	491	676
<b>-42.5</b>	0	26	79	136	202	247	279	318	365	418
<b>-47.5</b>	0	24	73	124	181	222	248	276	299	324
<b>-55.0</b>	0	21	63	107	149	182	203	223	238	251
<b>-65.0</b>	0	16	48	82	109	129	142	155	165	174
<b>-75.0</b>	0	10	31	51	68	77	82	90	98	103
<b>-85.0</b>	0	3	11	17	23	26	28	30	32	33
<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	35	36	37	37	38	38	39	39	39	39
75.0	108	110	110	111	111	111	111	110	110	110
65.0	181	186	190	193	195	198	200	202	205	207
55.0	261	269	277	283	288	292	297	301	304	308
47.5	347	374	397	420	442	462	479	494	506	516
42.5	490	570	680	762	877	1000 *	1105 *	1194 *	1265 *	1317 *
37.5	964	1303 *	1796 *	2208 *	2502 *	2845 *	3148 *	3409 *	3624 *	3787 *
33.0	2200 *	3014 *	3832 *	4404 *	4806 *	5192 *	5509 *	5757 *	5943 *	6078 *
29.0	3825 *	4795 *	5619 *	6152 *	6529 *	6790 *	7023 *	7222 *	7362 *	7449 *
25.5	5177 *	6077 *	6780 *	7240 *	7508 *	7728 *	7928 *	8049 *	8141 *	8217 *
22.5	6099 *	6901 *	7498 *	7866 *	8098 *	8281 *	8435 *	8533 *	8614 *	8677 *
19.5	6821 *	7516 *	8016 *	8321 *	8522 *	8675 *	8799 *	8882 *	8954 *	9012 *
17.0	7284 *	7893 *	8328 *	8602 *	8788 *	8916 *	9027 *	9102 *	9163 *	9213 *
15.0	7560 *	8124 *	8532 *	8795 *	8946 *	9080 *	9173 *	9251 *	9298 *	9342 *
13.0	7783 *	8309 *	8693 *	8937 *	9095 *	9210 *	9302 *	9369 *	9419 *	9451 *
11.0	7981 *	8471 *	8832 *	9067 *	9209 *	9324 *	9410 *	9473 *	9516 *	9541 *
9.0	8117 *	8586 *	8935 *	9161 *	9309 *	9422 *	9505 *	9565 *	9599 *	9620 *
7.0	8223 *	8684 *	9027 *	9246 *	9385 *	9502 *	9586 *	9642 *	9675 *	9686 *
5.0	8305 *	8759 *	9100 *	9322 *	9453 *	9562 *	9649 *	9710 *	9745 *	9749 *
3.0	8363 *	8809 *	9140 *	9360 *	9497 *	9606 *	9697 *	9762 *	9805 *	9818 *
1.0	8392 *	8835 *	9159 *	9375 *	9517 *	9623 *	9714 *	9785 *	9837 *	9873 *
0.0	8396 *	8834 *	9159 *	9375 *	9515 *	9622 *	9711 *	9782 *	9835 *	9871 *
-1.0	8392 *	8835 *	9159 *	9375 *	9517 *	9623 *	9714 *	9785 *	9837 *	9873 *
-3.0	8363 *	8809 *	9140 *	9360 *	9497 *	9606 *	9697 *	9762 *	9805 *	9818 *
-5.0	8305 *	8759 *	9100 *	9322 *	9453 *	9562 *	9649 *	9710 *	9745 *	9749 *
-7.0	8223 *	8684 *	9027 *	9246 *	9385 *	9502 *	9586 *	9642 *	9675 *	9686 *
-9.0	8117 *	8586 *	8935 *	9161 *	9309 *	9422 *	9505 *	9565 *	9599 *	9620 *
-11.0	7981 *	8471 *	8832 *	9067 *	9209 *	9324 *	9410 *	9473 *	9516 *	9541 *
-13.0	7783 *	8309 *	8693 *	8937 *	9095 *	9210 *	9302 *	9369 *	9419 *	9451 *
-15.0	7560 *	8124 *	8532 *	8795 *	8946 *	9080 *	9173 *	9251 *	9298 *	9342 *
-17.0	7284 *	7893 *	8328 *	8602 *	8788 *	8916 *	9027 *	9102 *	9163 *	9213 *
-19.5	6821 *	7516 *	8016 *	8321 *	8522 *	8675 *	8799 *	8882 *	8954 *	9012 *
-22.5	6099 *	6901 *	7498 *	7866 *	8098 *	8281 *	8435 *	8533 *	8614 *	8677 *
-25.5	5177 *	6077 *	6780 *	7240 *	7508 *	7728 *	7928 *	8049 *	8141 *	8217 *
-29.0	3825 *	4795 *	5619 *	6152 *	6529 *	6790 *	7023 *	7222 *	7362 *	7449 *
-33.0	2200 *	3014 *	3832 *	4404 *	4806 *	5192 *	5509 *	5757 *	5943 *	6078 *
-37.5	964	1303 *	1796 *	2208 *	2502 *	2845 *	3148 *	3409 *	3624 *	3787 *
-42.5	490	570	680	762	877	1000 *	1105 *	1194 *	1265 *	1317 *
-47.5	347	374	397	420	442	462	479	494	506	516
-55.0	261	269	277	283	288	292	297	301	304	308
-65.0	181	186	190	193	195	198	200	202	205	207
-75.0	108	110	110	111	111	111	111	110	110	110
-85.0	35	36	37	37	38	38	39	39	39	39
-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	39	39	39	39	39	39	39	39	39	38
75.0	110	109	109	109	110	110	110	110	111	111
65.0	208	209	209	209	208	207	205	202	200	198

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

55.0	311	312	312	312	311	308	304	301	297	292
47.5	524	521	519	521	524	516	506	494	479	462
42.5	1374 *	1381 *	1384 *	1381 *	1374 *	1317 *	1265 *	1194 *	1105 *	1000 *
37.5	3897 *	3966 *	3972 *	3966 *	3897 *	3787 *	3624 *	3409 *	3148 *	2845 *
33.0	6167 *	6222 *	6233 *	6222 *	6167 *	6078 *	5943 *	5757 *	5509 *	5192 *
29.0	7507 *	7541 *	7548 *	7541 *	7507 *	7449 *	7362 *	7222 *	7023 *	6790 *
25.5	8268 *	8294 *	8296 *	8294 *	8268 *	8217 *	8141 *	8049 *	7928 *	7728 *
22.5	8722 *	8746 *	8744 *	8746 *	8722 *	8677 *	8614 *	8533 *	8435 *	8281 *
19.5	9048 *	9063 *	9061 *	9063 *	9048 *	9012 *	8954 *	8882 *	8799 *	8675 *
17.0	9246 *	9263 *	9267 *	9263 *	9246 *	9213 *	9163 *	9102 *	9027 *	8916 *
15.0	9374 *	9396 *	9398 *	9396 *	9374 *	9342 *	9298 *	9251 *	9173 *	9080 *
13.0	9478 *	9500 *	9505 *	9500 *	9478 *	9451 *	9419 *	9369 *	9302 *	9210 *
11.0	9563 *	9583 *	9589 *	9583 *	9563 *	9541 *	9516 *	9473 *	9410 *	9324 *
9.0	9632 *	9648 *	9654 *	9648 *	9632 *	9620 *	9599 *	9565 *	9505 *	9422 *
7.0	9687 *	9696 *	9702 *	9696 *	9687 *	9686 *	9675 *	9642 *	9586 *	9502 *
5.0	9735 *	9728 *	9733 *	9728 *	9735 *	9749 *	9745 *	9710 *	9649 *	9562 *
3.0	9789 *	9739 *	9744 *	9739 *	9789 *	9818 *	9805 *	9762 *	9697 *	9606 *
1.0	9876 *	9797 *	9776 *	9797 *	9876 *	9873 *	9837 *	9785 *	9714 *	9623 *
0.0	9885 *	9832 *	9795 *	9832 *	9885 *	9871 *	9835 *	9782 *	9711 *	9622 *
-1.0	9876 *	9797 *	9776 *	9797 *	9876 *	9873 *	9837 *	9785 *	9714 *	9623 *
-3.0	9789 *	9739 *	9744 *	9739 *	9789 *	9818 *	9805 *	9762 *	9697 *	9606 *
-5.0	9735 *	9728 *	9733 *	9728 *	9735 *	9749 *	9745 *	9710 *	9649 *	9562 *
-7.0	9687 *	9696 *	9702 *	9696 *	9687 *	9686 *	9675 *	9642 *	9586 *	9502 *
-9.0	9632 *	9648 *	9654 *	9648 *	9632 *	9620 *	9599 *	9565 *	9505 *	9422 *
-11.0	9563 *	9583 *	9589 *	9583 *	9563 *	9541 *	9516 *	9473 *	9410 *	9324 *
-13.0	9478 *	9500 *	9505 *	9500 *	9478 *	9451 *	9419 *	9369 *	9302 *	9210 *
-15.0	9374 *	9396 *	9398 *	9396 *	9374 *	9342 *	9298 *	9251 *	9173 *	9080 *
-17.0	9246 *	9263 *	9267 *	9263 *	9246 *	9213 *	9163 *	9102 *	9027 *	8916 *
-19.5	9048 *	9063 *	9061 *	9063 *	9048 *	9012 *	8954 *	8882 *	8799 *	8675 *
-22.5	8722 *	8746 *	8744 *	8746 *	8722 *	8677 *	8614 *	8533 *	8435 *	8281 *
-25.5	8268 *	8294 *	8296 *	8294 *	8268 *	8217 *	8141 *	8049 *	7928 *	7728 *
-29.0	7507 *	7541 *	7548 *	7541 *	7507 *	7449 *	7362 *	7222 *	7023 *	6790 *
-33.0	6167 *	6222 *	6233 *	6222 *	6167 *	6078 *	5943 *	5757 *	5509 *	5192 *
-37.5	3897 *	3966 *	3972 *	3966 *	3897 *	3787 *	3624 *	3409 *	3148 *	2845 *
-42.5	1374 *	1381 *	1384 *	1381 *	1374 *	1317 *	1265 *	1194 *	1105 *	1000 *
-47.5	524	521	519	521	524	516	506	494	479	462
-55.0	311	312	312	312	311	308	304	301	297	292
-65.0	208	209	209	209	208	207	205	202	200	198
-75.0	110	109	109	109	110	110	110	110	111	111
-85.0	39	39	39	39	39	39	39	39	39	38
-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	38	37	37	36	35	33	32	30	28	26
75.0	111	111	110	110	108	103	98	90	82	77
65.0	195	193	190	186	181	174	165	155	142	129
55.0	288	283	277	269	261	251	238	223	203	182
47.5	442	420	397	374	347	324	299	276	248	222
42.5	877	762	680	570	490	418	365	318	279	247
37.5	2502 *	2208 *	1796 *	1303 *	964	676	491	386	317	274
33.0	4806 *	4404 *	3832 *	3014 *	2200 *	1330 *	760	491	365	299
29.0	6529 *	6152 *	5619 *	4795 *	3825 *	2612 *	1363 *	682	419	326
25.5	7508 *	7240 *	6780 *	6077 *	5177 *	3850 *	2259 *	992 *	490	351

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**CANDELA TABULATION - (Cont.)**

22.5	8098 *	7866 *	7498 *	6901 *	6099 *	4844 *	3103 *	1375 *	576	379
19.5	8522 *	8321 *	8016 *	7516 *	6821 *	5691 *	3950 *	1903 *	698	406
17.0	8788 *	8602 *	8328 *	7893 *	7284 *	6243 *	4560 *	2341 *	789	431
15.0	8946 *	8795 *	8532 *	8124 *	7560 *	6625 *	4992 *	2653 *	917	455
13.0	9095 *	8937 *	8693 *	8309 *	7783 *	6893 *	5378 *	3005 *	1052 *	476
11.0	9209 *	9067 *	8832 *	8471 *	7981 *	7130 *	5672 *	3317 *	1167 *	495
9.0	9309 *	9161 *	8935 *	8586 *	8117 *	7331 *	5900 *	3579 *	1264 *	511
7.0	9385 *	9246 *	9027 *	8684 *	8223 *	7473 *	6081 *	3784 *	1342 *	523
5.0	9453 *	9322 *	9100 *	8759 *	8305 *	7563 *	6217 *	3932 *	1401 *	533
3.0	9497 *	9360 *	9140 *	8809 *	8363 *	7625 *	6308 *	4024 *	1464 *	542
1.0	9517 *	9375 *	9159 *	8835 *	8392 *	7666 *	6349 *	4068 *	1465 *	542
0.0	9515 *	9375 *	9159 *	8834 *	8396 *	7676 *	6352 *	4061 *	1465 *	542
-1.0	9517 *	9375 *	9159 *	8835 *	8392 *	7666 *	6349 *	4068 *	1465 *	542
-3.0	9497 *	9360 *	9140 *	8809 *	8363 *	7625 *	6308 *	4024 *	1464 *	542
-5.0	9453 *	9322 *	9100 *	8759 *	8305 *	7563 *	6217 *	3932 *	1401 *	533
-7.0	9385 *	9246 *	9027 *	8684 *	8223 *	7473 *	6081 *	3784 *	1342 *	523
-9.0	9309 *	9161 *	8935 *	8586 *	8117 *	7331 *	5900 *	3579 *	1264 *	511
-11.0	9209 *	9067 *	8832 *	8471 *	7981 *	7130 *	5672 *	3317 *	1167 *	495
-13.0	9095 *	8937 *	8693 *	8309 *	7783 *	6893 *	5378 *	3005 *	1052 *	476
-15.0	8946 *	8795 *	8532 *	8124 *	7560 *	6625 *	4992 *	2653 *	917	455
-17.0	8788 *	8602 *	8328 *	7893 *	7284 *	6243 *	4560 *	2341 *	789	431
-19.5	8522 *	8321 *	8016 *	7516 *	6821 *	5691 *	3950 *	1903 *	698	406
-22.5	8098 *	7866 *	7498 *	6901 *	6099 *	4844 *	3103 *	1375 *	576	379
-25.5	7508 *	7240 *	6780 *	6077 *	5177 *	3850 *	2259 *	992 *	490	351
-29.0	6529 *	6152 *	5619 *	4795 *	3825 *	2612 *	1363 *	682	419	326
-33.0	4806 *	4404 *	3832 *	3014 *	2200 *	1330 *	760	491	365	299
-37.5	2502 *	2208 *	1796 *	1303 *	964	676	491	386	317	274
-42.5	877	762	680	570	490	418	365	318	279	247
-47.5	442	420	397	374	347	324	299	276	248	222
-55.0	288	283	277	269	261	251	238	223	203	182
-65.0	195	193	190	186	181	174	165	155	142	129
-75.0	111	111	110	110	108	103	98	90	82	77
-85.0	38	37	37	36	35	33	32	30	28	26
-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	17	11	3	0
75.0	68	51	31	10	0
65.0	109	82	48	16	0
55.0	149	107	63	21	0
47.5	181	124	73	24	0
42.5	202	136	79	26	0
37.5	221	147	84	28	0
33.0	237	157	88	29	0
29.0	251	165	92	30	0
25.5	262	171	95	31	0
22.5	271	176	97	32	0
19.5	281	182	98	32	0
17.0	289	186	100	33	0
15.0	295	189	101	33	0
13.0	301	191	102	33	0
11.0	306	194	102	34	0
9.0	311	196	103	34	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	314	198	104	34	0
<b>5.0</b>	317	200	104	34	0
<b>3.0</b>	320	201	104	34	0
<b>1.0</b>	321	202	104	34	0
<b>0.0</b>	321	202	104	34	0
<b>-1.0</b>	321	202	104	34	0
<b>-3.0</b>	320	201	104	34	0
<b>-5.0</b>	317	200	104	34	0
<b>-7.0</b>	314	198	104	34	0
<b>-9.0</b>	311	196	103	34	0
<b>-11.0</b>	306	194	102	34	0
<b>-13.0</b>	301	191	102	33	0
<b>-15.0</b>	295	189	101	33	0
<b>-17.0</b>	289	186	100	33	0
<b>-19.5</b>	281	182	98	32	0
<b>-22.5</b>	271	176	97	32	0
<b>-25.5</b>	262	171	95	31	0
<b>-29.0</b>	251	165	92	30	0
<b>-33.0</b>	237	157	88	29	0
<b>-37.5</b>	221	147	84	28	0
<b>-42.5</b>	202	136	79	26	0
<b>-47.5</b>	181	124	73	24	0
<b>-55.0</b>	149	107	63	21	0
<b>-65.0</b>	109	82	48	16	0
<b>-75.0</b>	68	51	31	10	0
<b>-85.0</b>	23	17	11	3	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6065.79

Total Field Lumens (one side of beam only) = 5584.88

\* 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	0.06	0.05	0.07
75	0.23	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.43	0.53
65	0.48	0.97	0.96	0.96	0.95	0.93	0.92	0.91	0.89	1.09
55	0.79	1.58	1.57	1.55	1.53	1.50	1.47	1.44	1.40	1.70
47.5	0.95	1.90	1.89	1.86	1.82	1.77	1.71	1.64	1.57	1.87
42.5	1.45	2.89	2.83	2.73	2.61	2.45	2.27	2.05	1.83	2.04
37.5	4.08 *	8.08 *	7.88 *	7.57 *	7.16 *	6.64 *	6.03 *	5.34 *	4.65 *	4.92 *
33	6.99 *	13.87 *	13.63 *	13.24 *	12.71 *	12.03 *	11.19 *	10.20 *	9.17 *	9.96 *
29	8.39 *	16.70 *	16.53 *	16.26 *	15.86 *	15.31 *	14.61 *	13.78 *	12.82 *	14.47 *
25.5	8.44 *	16.84 *	16.72 *	16.52 *	16.24 *	15.87 *	15.37 *	14.77 *	14.05 *	16.32 *
22.5	7.79 *	15.54 *	15.44 *	15.29 *	15.08 *	14.82 *	14.47 *	14.02 *	13.49 *	15.94 *
19.5	8.14 *	16.25 *	16.16 *	16.02 *	15.83 *	15.59 *	15.28 *	14.89 *	14.41 *	17.19 *
17	6.98 *	13.93 *	13.87 *	13.76 *	13.61 *	13.43 *	13.19 *	12.89 *	12.53 *	15.04 *
15	5.68 *	11.35 *	11.30 *	11.21 *	11.10 *	10.96 *	10.78 *	10.56 *	10.29 *	12.39 *
13	5.76 *	11.49 *	11.44 *	11.36 *	11.26 *	11.13 *	10.95 *	10.74 *	10.47 *	12.64 *
11	5.81 *	11.61 *	11.56 *	11.49 *	11.39 *	11.27 *	11.10 *	10.89 *	10.63 *	12.85 *
9	5.86 *	11.70 *	11.65 *	11.60 *	11.51 *	11.38 *	11.22 *	11.01 *	10.76 *	13.02 *
7	5.89 *	11.77 *	11.74 *	11.69 *	11.61 *	11.49 *	11.33 *	11.12 *	10.86 *	13.15 *
5	5.92 *	11.83 *	11.81 *	11.77 *	11.70 *	11.58 *	11.41 *	11.20 *	10.95 *	13.27 *
3	5.93 *	11.87 *	11.88 *	11.85 *	11.77 *	11.64 *	11.48 *	11.27 *	11.02 *	13.35 *
1	5.95 *	11.93 *	11.96 *	11.92 *	11.82 *	11.69 *	11.51 *	11.30 *	11.05 *	13.39 *
0	2.99 *	6.00 *	6.00 *	5.97 *	5.92 *	5.85 *	5.76 *	5.66 *	5.53 *	6.70 *
-1	2.99 *	6.00 *	6.00 *	5.97 *	5.92 *	5.85 *	5.76 *	5.66 *	5.53 *	6.70 *
	5.95 *	11.93 *	11.96 *	11.92 *	11.82 *	11.69 *	11.51 *	11.30 *	11.05 *	13.39 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	5.93 *	11.87 *	11.88 *	11.85 *	11.77 *	11.64 *	11.48 *	11.27 *	11.02 *	13.35 *
<b>-5</b>	5.92 *	11.83 *	11.81 *	11.77 *	11.70 *	11.58 *	11.41 *	11.20 *	10.95 *	13.27 *
<b>-7</b>	5.89 *	11.77 *	11.74 *	11.69 *	11.61 *	11.49 *	11.33 *	11.12 *	10.86 *	13.15 *
<b>-9</b>	5.86 *	11.70 *	11.65 *	11.60 *	11.51 *	11.38 *	11.22 *	11.01 *	10.76 *	13.02 *
<b>-11</b>	5.81 *	11.61 *	11.56 *	11.49 *	11.39 *	11.27 *	11.10 *	10.89 *	10.63 *	12.85 *
<b>-13</b>	5.76 *	11.49 *	11.44 *	11.36 *	11.26 *	11.13 *	10.95 *	10.74 *	10.47 *	12.64 *
<b>-15</b>	5.68 *	11.35 *	11.30 *	11.21 *	11.10 *	10.96 *	10.78 *	10.56 *	10.29 *	12.39 *
<b>-17</b>	6.98 *	13.93 *	13.87 *	13.76 *	13.61 *	13.43 *	13.19 *	12.89 *	12.53 *	15.04 *
<b>-19.5</b>	8.14 *	16.25 *	16.16 *	16.02 *	15.83 *	15.59 *	15.28 *	14.89 *	14.41 *	17.19 *
<b>-22.5</b>	7.79 *	15.54 *	15.44 *	15.29 *	15.08 *	14.82 *	14.47 *	14.02 *	13.49 *	15.94 *
<b>-25.5</b>	8.44 *	16.84 *	16.72 *	16.52 *	16.24 *	15.87 *	15.37 *	14.77 *	14.05 *	16.32 *
<b>-29</b>	8.39 *	16.70 *	16.53 *	16.26 *	15.86 *	15.31 *	14.61 *	13.78 *	12.82 *	14.47 *
<b>-33</b>	6.99 *	13.87 *	13.63 *	13.24 *	12.71 *	12.03 *	11.19 *	10.20 *	9.17 *	9.96 *
<b>-37.5</b>	4.08 *	8.08 *	7.88 *	7.57 *	7.16 *	6.64 *	6.03 *	5.34 *	4.65 *	4.92 *
<b>-42.5</b>	1.45	2.89	2.83	2.73	2.61	2.45	2.27	2.05	1.83	2.04
<b>-47.5</b>	0.95	1.90	1.89	1.86	1.82	1.77	1.71	1.64	1.57	1.87
<b>-55</b>	0.79	1.58	1.57	1.55	1.53	1.50	1.47	1.44	1.40	1.70
<b>-65</b>	0.48	0.97	0.96	0.96	0.95	0.93	0.92	0.91	0.89	1.09
<b>-75</b>	0.23	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.43	0.53
<b>-85</b>	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.07
<b>-90</b>										
<b>Total</b>	209.04	417.22	414.67	410.25	403.96	395.66	385.10	372.35	357.76	423.79

**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>	0.08	0.07	0.08	0.08	0.09	0.08	0.07	0.09	0.08	0.04
<b>85</b>	0.62	0.60	0.66	0.69	0.70	0.67	0.57	0.69	0.60	0.29
<b>75</b>	1.27	1.22	1.34	1.41	1.42	1.37	1.16	1.37	1.18	0.55
<b>65</b>	1.97	1.87	2.05	2.16	2.19	2.11	1.77	2.03	1.70	0.78
<b>55</b>	2.11	1.96	2.10	2.18	2.17	2.08	1.73	1.97	1.60	0.72

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	2.16	1.86	1.87	1.84	1.76	1.63	1.34	1.52	1.22	0.54
<b>42.5</b>	4.64 *	3.47	3.02	2.55	2.18	1.90	1.50	1.69	1.34	0.58
<b>37.5</b>	9.54 *	7.03 *	5.51 *	3.83	2.68	2.05	1.52	1.66	1.30	0.56
<b>33</b>	14.72 *	11.55 *	9.45 *	6.33 *	3.69	2.28	1.52	1.59	1.23	0.52
<b>29</b>	17.37 *	14.52 *	12.82 *	9.21 *	5.19 *	2.64	1.49	1.49	1.13	0.48
<b>25.5</b>	17.44 *	15.18 *	14.19 *	11.01 *	6.49 *	3.00	1.45	1.35	1.00	0.42
<b>22.5</b>	19.15 *	17.11 *	16.67 *	13.77 *	8.67 *	3.98 *	1.66	1.43	1.04	0.43
<b>19.5</b>	16.93 *	15.40 *	15.42 *	13.34 *	8.92 *	4.18 *	1.56	1.26	0.89	0.37
<b>17</b>	14.02 *	12.88 *	13.13 *	11.71 *	8.14 *	3.91 *	1.40	1.05	0.73	0.30
<b>15</b>	14.36 *	13.26 *	13.68 *	12.47 *	8.97 *	4.45 *	1.56	1.09	0.74	0.30
<b>13</b>	14.63 *	13.58 *	14.11 *	13.09 *	9.72 *	4.98 *	1.72	1.13	0.75	0.31
<b>11</b>	14.85 *	13.84 *	14.48 *	13.59 *	10.33 *	5.44 *	1.85	1.16	0.77	0.31
<b>9</b>	15.03 *	14.03 *	14.76 *	13.98 *	10.82 *	5.81 *	1.96	1.19	0.78	0.31
<b>7</b>	15.17 *	14.18 *	14.96 *	14.27 *	11.20 *	6.10 *	2.05	1.21	0.78	0.32
<b>5</b>	15.27 *	14.29 *	15.09 *	14.47 *	11.46 *	6.31 *	2.12	1.22	0.79	0.32
<b>3</b>	15.33 *	14.36 *	15.18 *	14.59 *	11.61 *	6.43 *	2.16 *	1.23	0.79	0.32
<b>1</b>	7.67 *	7.19 *	7.61 *	7.32 *	5.83 *	3.22 *	1.08 *	0.62	0.40	0.16
<b>0</b>	7.67 *	7.19 *	7.61 *	7.32 *	5.83 *	3.22 *	1.08 *	0.62	0.40	0.16
<b>-1</b>	15.33 *	14.36 *	15.18 *	14.59 *	11.61 *	6.43 *	2.16 *	1.23	0.79	0.32
<b>-3</b>	15.27 *	14.29 *	15.09 *	14.47 *	11.46 *	6.31 *	2.12	1.22	0.79	0.32
<b>-5</b>	15.17 *	14.18 *	14.96 *	14.27 *	11.20 *	6.10 *	2.05	1.21	0.78	0.32
<b>-7</b>	15.03 *	14.03 *	14.76 *	13.98 *	10.82 *	5.81 *	1.96	1.19	0.78	0.31
<b>-9</b>	14.85 *	13.84 *	14.48 *	13.59 *	10.33 *	5.44 *	1.85	1.16	0.77	0.31
<b>-11</b>	14.63 *	13.58 *	14.11 *	13.09 *	9.72 *	4.98 *	1.72	1.13	0.75	0.31
<b>-13</b>	14.36 *	13.26 *	13.68 *	12.47 *	8.97 *	4.45 *	1.56	1.09	0.74	0.30
<b>-15</b>	14.02 *	12.88 *	13.13 *	11.71 *	8.14 *	3.91 *	1.40	1.05	0.73	0.30
<b>-17</b>	16.93 *	15.40 *	15.42 *	13.34 *	8.92 *	4.18 *	1.56	1.26	0.89	0.37
<b>-19.5</b>	19.15 *	17.11 *	16.67 *	13.77 *	8.67 *	3.98 *	1.66	1.43	1.04	0.43

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	17.44 *	15.18 *	14.19 *	11.01 *	6.49 *	3.00	1.45	1.35	1.00	0.42
<b>-25.5</b>	17.37 *	14.52 *	12.82 *	9.21 *	5.19 *	2.64	1.49	1.49	1.13	0.48
<b>-29</b>	14.72 *	11.55 *	9.45 *	6.33 *	3.69	2.28	1.52	1.59	1.23	0.52
<b>-33</b>	9.54 *	7.03 *	5.51 *	3.83	2.68	2.05	1.52	1.66	1.30	0.56
<b>-37.5</b>	4.64 *	3.47	3.02	2.55	2.18	1.90	1.50	1.69	1.34	0.58
<b>-42.5</b>	2.16	1.86	1.87	1.84	1.76	1.63	1.34	1.52	1.22	0.54
<b>-47.5</b>	2.11	1.96	2.10	2.18	2.17	2.08	1.73	1.97	1.60	0.72
<b>-55</b>	1.97	1.87	2.05	2.16	2.19	2.11	1.77	2.03	1.70	0.78
<b>-65</b>	1.27	1.22	1.34	1.41	1.42	1.37	1.16	1.37	1.18	0.55
<b>-75</b>	0.62	0.60	0.66	0.69	0.70	0.67	0.57	0.69	0.60	0.29
<b>-85</b>	0.08	0.07	0.08	0.08	0.09	0.08	0.07	0.09	0.08	0.04
<b>-90</b>										
<b>Total</b>	468.67	418.91	416.41	367.81	268.46	149.24	66.47	56.05	41.71	17.81

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
<b>90</b>			
	0.01	0.00	1.33
<b>85</b>			
	0.07	0.00	10.52
<b>75</b>			
	0.14	0.00	21.50
<b>65</b>			
	0.20	0.01	33.37
<b>55</b>			
	0.18	0.01	35.77
<b>47.5</b>			
	0.13	0.00	39.03
<b>42.5</b>			
	0.14	0.00	85.35
<b>37.5</b>			
	0.14	0.00	148.81
<b>33</b>			
	0.13	0.00	197.74
<b>29</b>			
	0.11	0.00	217.60
<b>25.5</b>			
	0.10	0.00	213.52
<b>22.5</b>			
	0.10	0.00	233.79
<b>19.5</b>			
	0.09	0.00	207.60
<b>17</b>			
	0.07	0.00	172.96

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES**

**LUMENS TABULATION - (Cont.)**

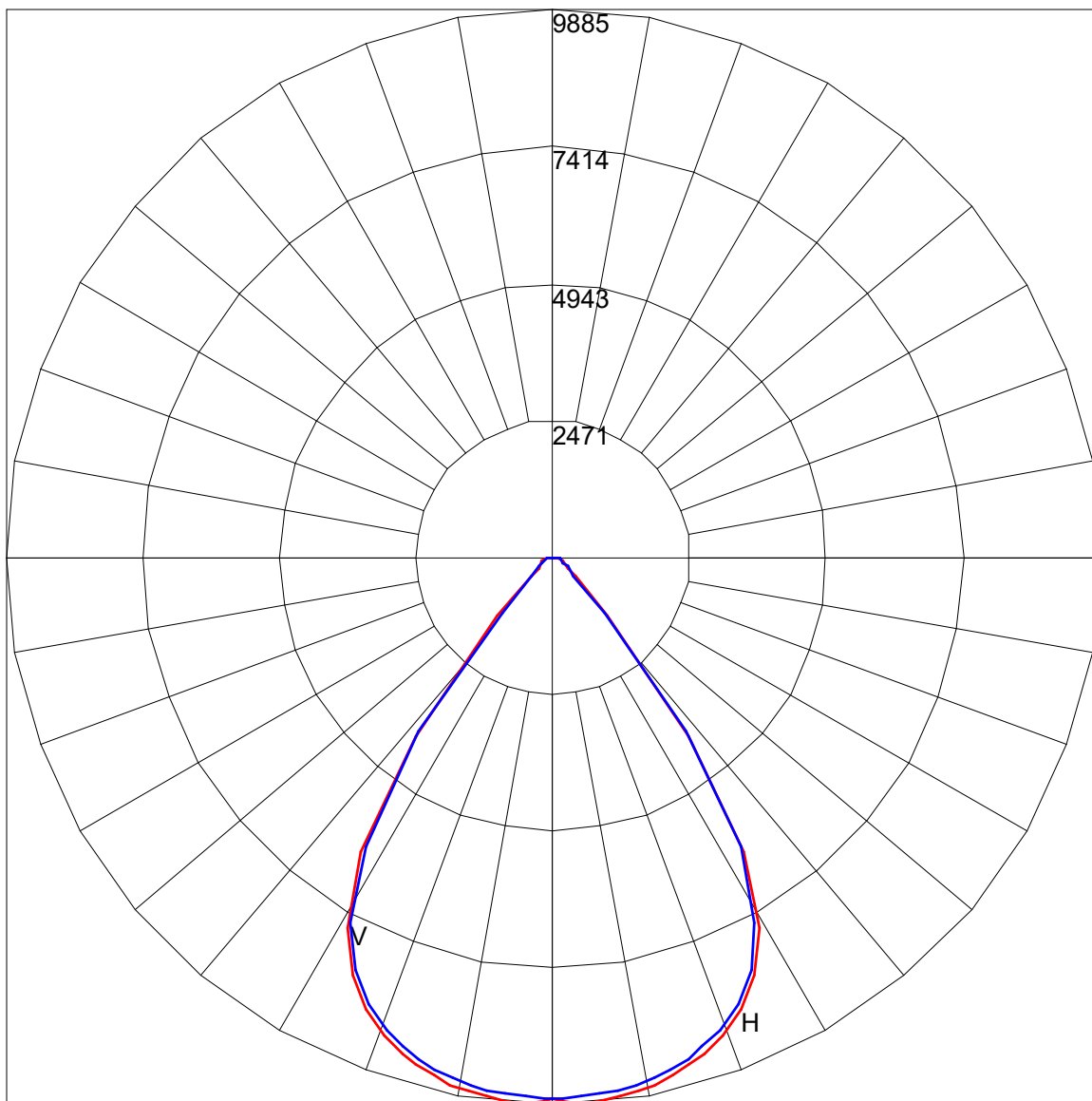
<b>15</b>	0.07	0.00	178.20
<b>13</b>	0.07	0.00	182.69
<b>11</b>	0.07	0.00	186.41
<b>9</b>	0.07	0.00	189.38
<b>7</b>	0.07	0.00	191.73
<b>5</b>	0.07	0.00	193.48
<b>3</b>	0.07	0.00	194.61
<b>1</b>	0.04	0.00	97.51
<b>0</b>	0.04	0.00	97.51
<b>-1</b>	0.07	0.00	194.61
<b>-3</b>	0.07	0.00	193.48
<b>-5</b>	0.07	0.00	191.73
<b>-7</b>	0.07	0.00	189.38
<b>-9</b>	0.07	0.00	186.41
<b>-11</b>	0.07	0.00	182.69
<b>-13</b>	0.07	0.00	178.20
<b>-15</b>	0.07	0.00	172.96
<b>-17</b>	0.09	0.00	207.60
<b>-19.5</b>	0.10	0.00	233.79
<b>-22.5</b>	0.10	0.00	213.52
<b>-25.5</b>	0.11	0.00	217.60
<b>-29</b>	0.13	0.00	197.74
<b>-33</b>	0.14	0.00	148.81
<b>-37.5</b>	0.14	0.00	85.35
<b>-42.5</b>	0.13	0.00	39.03
<b>-47.5</b>	0.18	0.01	35.77
<b>-55</b>	0.20	0.01	33.37
<b>-65</b>	0.14	0.00	21.50

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

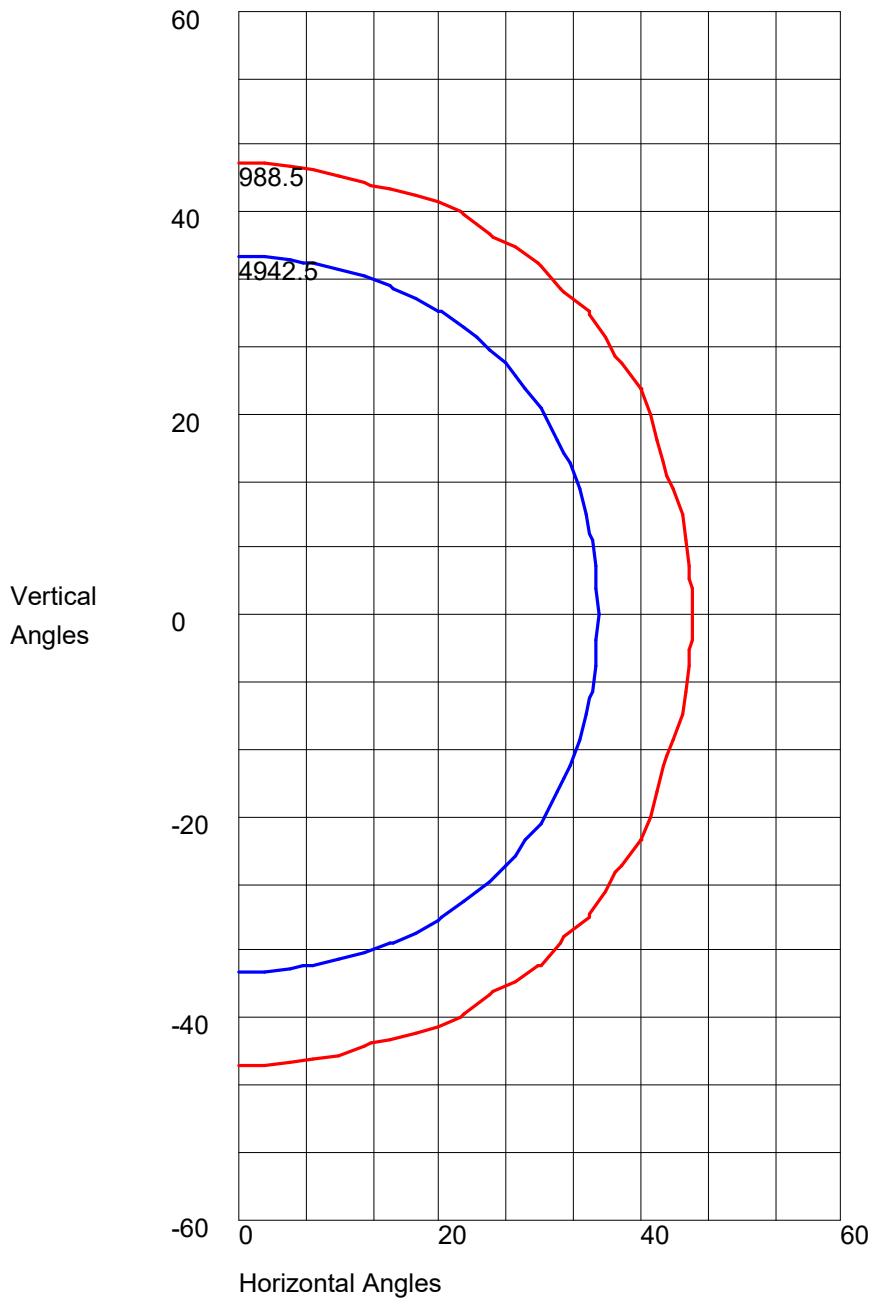
-75	0.07	0.00	10.52
-85	0.01	0.00	1.33
-90			
Total	4.31	0.13	6065.79

AXIAL CANDELA DISPLAY



Maximum Candela = 9885 Located At Horizontal Angle = -3, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9885 Located At Horizontal Angle = -3, Vertical Angle = 0  
50% Maximum Candela = 4942.5  
10% Maximum Candela = 988.5