



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12461  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/05/21  
[TEST DATE] 01/25/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-42L-PC-WF-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	6 H x 6 V
Maximum Candela	35355
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	64.2
Vertical Beam Angle (50%)	65.7
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	103.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	27446
Beam Efficiency	N.A.
Field Lumens	39035
Field Efficiency	N.A.
Spill Lumens	3333
Luminaire Lumens	42367
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	122	85	126
75	273	75	320
65	650	65	861
55	2150	55	2361
47.5	5051	47.5	5167
42.5	7587	42.5	7774
37.5	11282	37.5	11734
33	16583	33	17461
29	22120	29	23042
25.5	26318	25.5	26660
22.5	29205	22.5	28775
19.5	31261	19.5	30383
17	32533	17	31545
15	33355	15	32425
13	33905	13	33211
11	34335	11	33870
9	34642	9	34420
7	34837	7	34862
5	34948	5	35185
3	35011	3	35355
1	35128	1	35276
0	35195	0	35195
-1	35128	-1	35276
-3	35011	-3	35355
-5	34948	-5	35185
-7	34837	-7	34862
-9	34642	-9	34420
-11	34335	-11	33870
-13	33905	-13	33211
-15	33355	-15	32425
-17	32533	-17	31545
-19.5	31261	-19.5	30383
-22.5	29205	-22.5	28775
-25.5	26318	-25.5	26660
-29	22120	-29	23042
-33	16583	-33	17461
-37.5	11282	-37.5	11734
-42.5	7587	-42.5	7774
-47.5	5051	-47.5	5167
-55	2150	-55	2361
-65	650	-65	861
-75	273	-75	320
-85	122	-85	126
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 35355

Beam Edge = 17677.5 Cd (50% of Max.)

Field Edge = 3535.5 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	10	34	57	74	79	84	91	97	102
<b>75.0</b>	0	30	83	123	173	202	217	238	259	299
<b>65.0</b>	0	49	122	220	355	458	533	604	666	716
<b>55.0</b>	0	66	162	321	576	819	989	1185	1378	1546
<b>47.5</b>	0	78	188	394	774	1200	1534	1949	2378	2810
<b>42.5</b>	0	85	205	441	933	1513	2027	2684	3383	4068 *
<b>37.5</b>	0	92	220	483	1099	1917	2664	3649 *	4691 *	5709 *
<b>33.0</b>	0	98	231	521	1262	2343	3359	4696 *	6054 *	7395 *
<b>29.0</b>	0	103	242	554	1403	2772	4049 *	5692 *	7391 *	9268 *
<b>25.5</b>	0	107	249	581	1554	3154	4678 *	6590 *	8712 *	11053 *
<b>22.5</b>	0	109	255	599	1671	3522	5206 *	7350 *	9909 *	12770 *
<b>19.5</b>	0	112	259	617	1781	3852 *	5724 *	8150 *	11108 *	14645 *
<b>17.0</b>	0	114	263	627	1885	4111 *	6101 *	8775 *	12186 *	16357 *
<b>15.0</b>	0	116	266	633	1957	4313 *	6396 *	9223 *	13008 *	17575 *
<b>13.0</b>	0	117	268	637	2018	4492 *	6674 *	9721 *	13744 *	18678 *
<b>11.0</b>	0	120	270	638	2069	4647 *	6919 *	10157 *	14509 *	19668 *
<b>9.0</b>	0	121	272	644	2108	4777 *	7127 *	10526 *	15191 *	20532 *
<b>7.0</b>	0	121	273	648	2136	4883 *	7296 *	10822 *	15731 *	21195 *
<b>5.0</b>	0	121	275	651	2156	4963 *	7426 *	11044 *	16137 *	21670 *
<b>3.0</b>	0	122	274	654	2177	5046 *	7566 *	11194 *	16406 *	21995 *
<b>1.0</b>	0	122	273	651	2159	5049 *	7580 *	11281 *	16560 *	22121 *
<b>0.0</b>	0	122	273	650	2150	5051 *	7587 *	11282 *	16583 *	22120 *
<b>-1.0</b>	0	122	273	651	2159	5049 *	7580 *	11281 *	16560 *	22121 *
<b>-3.0</b>	0	122	274	654	2177	5046 *	7566 *	11194 *	16406 *	21995 *
<b>-5.0</b>	0	121	275	651	2156	4963 *	7426 *	11044 *	16137 *	21670 *
<b>-7.0</b>	0	121	273	648	2136	4883 *	7296 *	10822 *	15731 *	21195 *
<b>-9.0</b>	0	121	272	644	2108	4777 *	7127 *	10526 *	15191 *	20532 *
<b>-11.0</b>	0	120	270	638	2069	4647 *	6919 *	10157 *	14509 *	19668 *
<b>-13.0</b>	0	117	268	637	2018	4492 *	6674 *	9721 *	13744 *	18678 *
<b>-15.0</b>	0	116	266	633	1957	4313 *	6396 *	9223 *	13008 *	17575 *
<b>-17.0</b>	0	114	263	627	1885	4111 *	6101 *	8775 *	12186 *	16357 *
<b>-19.5</b>	0	112	259	617	1781	3852 *	5724 *	8150 *	11108 *	14645 *
<b>-22.5</b>	0	109	255	599	1671	3522	5206 *	7350 *	9909 *	12770 *
<b>-25.5</b>	0	107	249	581	1554	3154	4678 *	6590 *	8712 *	11053 *
<b>-29.0</b>	0	103	242	554	1403	2772	4049 *	5692 *	7391 *	9268 *
<b>-33.0</b>	0	98	231	521	1262	2343	3359	4696 *	6054 *	7395 *
<b>-37.5</b>	0	92	220	483	1099	1917	2664	3649 *	4691 *	5709 *
<b>-42.5</b>	0	85	205	441	933	1513	2027	2684	3383	4068 *
<b>-47.5</b>	0	78	188	394	774	1200	1534	1949	2378	2810
<b>-55.0</b>	0	66	162	321	576	819	989	1185	1378	1546
<b>-65.0</b>	0	49	122	220	355	458	533	604	666	716
<b>-75.0</b>	0	30	83	123	173	202	217	238	259	299
<b>-85.0</b>	0	10	34	57	74	79	84	91	97	102
<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	107	110	112	114	116	117	121	121	122	123
75.0	330	345	349	352	352	349	344	339	332	327
65.0	758	786	811	830	843	852	857	859	859	856
55.0	1704	1820	1936	2045	2121	2187	2245	2293	2329	2354
47.5	3186	3550 *	3887 *	4157 *	4369 *	4558 *	4724 *	4861 *	4972 *	5058 *
42.5	4723 *	5277 *	5846 *	6272 *	6581 *	6867 *	7117 *	7329 *	7497 *	7620 *
37.5	6654 *	7468 *	8325 *	9007 *	9493 *	10015 *	10477 *	10876 *	11213 *	11478 *
33.0	8758 *	10015 *	11315 *	12460 *	13307 *	14064 *	14904 *	15699 *	16348 *	16838 *
29.0	11073 *	12974 *	14978 *	16733 *	18034 *	19206 *	20263 *	21196 *	21922 *	22431 *
25.5	13552 *	16165 *	18717 *	20680 *	22007 *	23151 *	24168 *	24959 *	25610 *	26089 *
22.5	16043 *	18969 *	21598 *	23495 *	24774 *	25809 *	26706 *	27366 *	27938 *	28360 *
19.5	18476 *	21482 *	24009 *	25785 *	26972 *	27908 *	28680 *	29235 *	29741 *	30118 *
17.0	20340 *	23249 *	25756 *	27394 *	28538 *	29388 *	30136 *	30614 *	30994 *	31319 *
15.0	21616 *	24535 *	26973 *	28600 *	29561 *	30445 *	31087 *	31590 *	31894 *	32194 *
13.0	22750 *	25675 *	28026 *	29538 *	30552 *	31295 *	31935 *	32431 *	32755 *	32972 *
11.0	23793 *	26687 *	28995 *	30455 *	31328 *	32081 *	32650 *	33109 *	33454 *	33637 *
9.0	24629 *	27501 *	29751 *	31163 *	32061 *	32745 *	33271 *	33645 *	33979 *	34202 *
7.0	25316 *	28197 *	30409 *	31754 *	32607 *	33301 *	33768 *	34117 *	34363 *	34622 *
5.0	25824 *	28709 *	30934 *	32232 *	33030 *	33648 *	34121 *	34472 *	34710 *	34830 *
3.0	26185 *	29046 *	31204 *	32495 *	33299 *	33876 *	34322 *	34658 *	34908 *	35051 *
1.0	26324 *	29219 *	31297 *	32583 *	33414 *	33967 *	34391 *	34696 *	34915 *	35052 *
0.0	26318 *	29205 *	31261 *	32533 *	33355 *	33905 *	34335 *	34642 *	34837 *	34948 *
-1.0	26324 *	29219 *	31297 *	32583 *	33414 *	33967 *	34391 *	34696 *	34915 *	35052 *
-3.0	26185 *	29046 *	31204 *	32495 *	33299 *	33876 *	34322 *	34658 *	34908 *	35051 *
-5.0	25824 *	28709 *	30934 *	32232 *	33030 *	33648 *	34121 *	34472 *	34710 *	34830 *
-7.0	25316 *	28197 *	30409 *	31754 *	32607 *	33301 *	33768 *	34117 *	34363 *	34622 *
-9.0	24629 *	27501 *	29751 *	31163 *	32061 *	32745 *	33271 *	33645 *	33979 *	34202 *
-11.0	23793 *	26687 *	28995 *	30455 *	31328 *	32081 *	32650 *	33109 *	33454 *	33637 *
-13.0	22750 *	25675 *	28026 *	29538 *	30552 *	31295 *	31935 *	32431 *	32755 *	32972 *
-15.0	21616 *	24535 *	26973 *	28600 *	29561 *	30445 *	31087 *	31590 *	31894 *	32194 *
-17.0	20340 *	23249 *	25756 *	27394 *	28538 *	29388 *	30136 *	30614 *	30994 *	31319 *
-19.5	18476 *	21482 *	24009 *	25785 *	26972 *	27908 *	28680 *	29235 *	29741 *	30118 *
-22.5	16043 *	18969 *	21598 *	23495 *	24774 *	25809 *	26706 *	27366 *	27938 *	28360 *
-25.5	13552 *	16165 *	18717 *	20680 *	22007 *	23151 *	24168 *	24959 *	25610 *	26089 *
-29.0	11073 *	12974 *	14978 *	16733 *	18034 *	19206 *	20263 *	21196 *	21922 *	22431 *
-33.0	8758 *	10015 *	11315 *	12460 *	13307 *	14064 *	14904 *	15699 *	16348 *	16838 *
-37.5	6654 *	7468 *	8325 *	9007 *	9493 *	10015 *	10477 *	10876 *	11213 *	11478 *
-42.5	4723 *	5277 *	5846 *	6272 *	6581 *	6867 *	7117 *	7329 *	7497 *	7620 *
-47.5	3186	3550 *	3887 *	4157 *	4369 *	4558 *	4724 *	4861 *	4972 *	5058 *
-55.0	1704	1820	1936	2045	2121	2187	2245	2293	2329	2354
-65.0	758	786	811	830	843	852	857	859	859	856
-75.0	330	345	349	352	352	349	344	339	332	327
-85.0	107	110	112	114	116	117	121	121	122	123
-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	124	125	126	125	124	123	122	121	121	117
75.0	324	321	320	321	324	327	332	339	344	349
65.0	862	861	861	861	862	856	859	859	857	852

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**CANDELA TABULATION - (Cont.)**

55.0	2378	2367	2361	2367	2378	2354	2329	2293	2245	2187
47.5	5150 *	5161 *	5167 *	5161 *	5150 *	5058 *	4972 *	4861 *	4724 *	4558 *
42.5	7751 *	7766 *	7774 *	7766 *	7751 *	7620 *	7497 *	7329 *	7117 *	6867 *
37.5	11666 *	11742 *	11734 *	11742 *	11666 *	11478 *	11213 *	10876 *	10477 *	10015 *
33.0	17172 *	17401 *	17461 *	17401 *	17172 *	16838 *	16348 *	15699 *	14904 *	14064 *
29.0	22799 *	23001 *	23042 *	23001 *	22799 *	22431 *	21922 *	21196 *	20263 *	19206 *
25.5	26416 *	26611 *	26660 *	26611 *	26416 *	26089 *	25610 *	24959 *	24168 *	23151 *
22.5	28627 *	28776 *	28775 *	28776 *	28627 *	28360 *	27938 *	27366 *	26706 *	25809 *
19.5	30296 *	30372 *	30383 *	30372 *	30296 *	30118 *	29741 *	29235 *	28680 *	27908 *
17.0	31471 *	31519 *	31545 *	31519 *	31471 *	31319 *	30994 *	30614 *	30136 *	29388 *
15.0	32357 *	32406 *	32425 *	32406 *	32357 *	32194 *	31894 *	31590 *	31087 *	30445 *
13.0	33133 *	33142 *	33211 *	33142 *	33133 *	32972 *	32755 *	32431 *	31935 *	31295 *
11.0	33808 *	33786 *	33870 *	33786 *	33808 *	33637 *	33454 *	33109 *	32650 *	32081 *
9.0	34348 *	34349 *	34420 *	34349 *	34348 *	34202 *	33979 *	33645 *	33271 *	32745 *
7.0	34756 *	34809 *	34862 *	34809 *	34756 *	34622 *	34363 *	34117 *	33768 *	33301 *
5.0	35041 *	35159 *	35185 *	35159 *	35041 *	34830 *	34710 *	34472 *	34121 *	33648 *
3.0	35132 *	35308 *	35355 *	35308 *	35132 *	35051 *	34908 *	34658 *	34322 *	33876 *
1.0	35162 *	35222 *	35276 *	35222 *	35162 *	35052 *	34915 *	34696 *	34391 *	33967 *
0.0	35011 *	35128 *	35195 *	35128 *	35011 *	34948 *	34837 *	34642 *	34335 *	33905 *
-1.0	35162 *	35222 *	35276 *	35222 *	35162 *	35052 *	34915 *	34696 *	34391 *	33967 *
-3.0	35132 *	35308 *	35355 *	35308 *	35132 *	35051 *	34908 *	34658 *	34322 *	33876 *
-5.0	35041 *	35159 *	35185 *	35159 *	35041 *	34830 *	34710 *	34472 *	34121 *	33648 *
-7.0	34756 *	34809 *	34862 *	34809 *	34756 *	34622 *	34363 *	34117 *	33768 *	33301 *
-9.0	34348 *	34349 *	34420 *	34349 *	34348 *	34202 *	33979 *	33645 *	33271 *	32745 *
-11.0	33808 *	33786 *	33870 *	33786 *	33808 *	33637 *	33454 *	33109 *	32650 *	32081 *
-13.0	33133 *	33142 *	33211 *	33142 *	33133 *	32972 *	32755 *	32431 *	31935 *	31295 *
-15.0	32357 *	32406 *	32425 *	32406 *	32357 *	32194 *	31894 *	31590 *	31087 *	30445 *
-17.0	31471 *	31519 *	31545 *	31519 *	31471 *	31319 *	30994 *	30614 *	30136 *	29388 *
-19.5	30296 *	30372 *	30383 *	30372 *	30296 *	30118 *	29741 *	29235 *	28680 *	27908 *
-22.5	28627 *	28776 *	28775 *	28776 *	28627 *	28360 *	27938 *	27366 *	26706 *	25809 *
-25.5	26416 *	26611 *	26660 *	26611 *	26416 *	26089 *	25610 *	24959 *	24168 *	23151 *
-29.0	22799 *	23001 *	23042 *	23001 *	22799 *	22431 *	21922 *	21196 *	20263 *	19206 *
-33.0	17172 *	17401 *	17461 *	17401 *	17172 *	16838 *	16348 *	15699 *	14904 *	14064 *
-37.5	11666 *	11742 *	11734 *	11742 *	11666 *	11478 *	11213 *	10876 *	10477 *	10015 *
-42.5	7751 *	7766 *	7774 *	7766 *	7751 *	7620 *	7497 *	7329 *	7117 *	6867 *
-47.5	5150 *	5161 *	5167 *	5161 *	5150 *	5058 *	4972 *	4861 *	4724 *	4558 *
-55.0	2378	2367	2361	2367	2378	2354	2329	2293	2245	2187
-65.0	862	861	861	861	862	856	859	859	857	852
-75.0	324	321	320	321	324	327	332	339	344	349
-85.0	124	125	126	125	124	123	122	121	121	117
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**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	116	114	112	110	107	102	97	91	84	79
75.0	352	352	349	345	330	299	259	238	217	202
65.0	843	830	811	786	758	716	666	604	533	458
55.0	2121	2045	1936	1820	1704	1546	1378	1185	989	819
47.5	4369 *	4157 *	3887 *	3550 *	3186	2810	2378	1949	1534	1200
42.5	6581 *	6272 *	5846 *	5277 *	4723 *	4068 *	3383	2684	2027	1513
37.5	9493 *	9007 *	8325 *	7468 *	6654 *	5709 *	4691 *	3649 *	2664	1917
33.0	13307 *	12460 *	11315 *	10015 *	8758 *	7395 *	6054 *	4696 *	3359	2343
29.0	18034 *	16733 *	14978 *	12974 *	11073 *	9268 *	7391 *	5692 *	4049 *	2772
25.5	22007 *	20680 *	18717 *	16165 *	13552 *	11053 *	8712 *	6590 *	4678 *	3154

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**CANDELA TABULATION - (Cont.)**

22.5	24774 *	23495 *	21598 *	18969 *	16043 *	12770 *	9909 *	7350 *	5206 *	3522
19.5	26972 *	25785 *	24009 *	21482 *	18476 *	14645 *	11108 *	8150 *	5724 *	3852 *
17.0	28538 *	27394 *	25756 *	23249 *	20340 *	16357 *	12186 *	8775 *	6101 *	4111 *
15.0	29561 *	28600 *	26973 *	24535 *	21616 *	17575 *	13008 *	9223 *	6396 *	4313 *
13.0	30552 *	29538 *	28026 *	25675 *	22750 *	18678 *	13744 *	9721 *	6674 *	4492 *
11.0	31328 *	30455 *	28995 *	26687 *	23793 *	19668 *	14509 *	10157 *	6919 *	4647 *
9.0	32061 *	31163 *	29751 *	27501 *	24629 *	20532 *	15191 *	10526 *	7127 *	4777 *
7.0	32607 *	31754 *	30409 *	28197 *	25316 *	21195 *	15731 *	10822 *	7296 *	4883 *
5.0	33030 *	32232 *	30934 *	28709 *	25824 *	21670 *	16137 *	11044 *	7426 *	4963 *
3.0	33299 *	32495 *	31204 *	29046 *	26185 *	21995 *	16406 *	11194 *	7566 *	5046 *
1.0	33414 *	32583 *	31297 *	29219 *	26324 *	22121 *	16560 *	11281 *	7580 *	5049 *
0.0	33355 *	32533 *	31261 *	29205 *	26318 *	22120 *	16583 *	11282 *	7587 *	5051 *
-1.0	33414 *	32583 *	31297 *	29219 *	26324 *	22121 *	16560 *	11281 *	7580 *	5049 *
-3.0	33299 *	32495 *	31204 *	29046 *	26185 *	21995 *	16406 *	11194 *	7566 *	5046 *
-5.0	33030 *	32232 *	30934 *	28709 *	25824 *	21670 *	16137 *	11044 *	7426 *	4963 *
-7.0	32607 *	31754 *	30409 *	28197 *	25316 *	21195 *	15731 *	10822 *	7296 *	4883 *
-9.0	32061 *	31163 *	29751 *	27501 *	24629 *	20532 *	15191 *	10526 *	7127 *	4777 *
-11.0	31328 *	30455 *	28995 *	26687 *	23793 *	19668 *	14509 *	10157 *	6919 *	4647 *
-13.0	30552 *	29538 *	28026 *	25675 *	22750 *	18678 *	13744 *	9721 *	6674 *	4492 *
-15.0	29561 *	28600 *	26973 *	24535 *	21616 *	17575 *	13008 *	9223 *	6396 *	4313 *
-17.0	28538 *	27394 *	25756 *	23249 *	20340 *	16357 *	12186 *	8775 *	6101 *	4111 *
-19.5	26972 *	25785 *	24009 *	21482 *	18476 *	14645 *	11108 *	8150 *	5724 *	3852 *
-22.5	24774 *	23495 *	21598 *	18969 *	16043 *	12770 *	9909 *	7350 *	5206 *	3522
-25.5	22007 *	20680 *	18717 *	16165 *	13552 *	11053 *	8712 *	6590 *	4678 *	3154
-29.0	18034 *	16733 *	14978 *	12974 *	11073 *	9268 *	7391 *	5692 *	4049 *	2772
-33.0	13307 *	12460 *	11315 *	10015 *	8758 *	7395 *	6054 *	4696 *	3359	2343
-37.5	9493 *	9007 *	8325 *	7468 *	6654 *	5709 *	4691 *	3649 *	2664	1917
-42.5	6581 *	6272 *	5846 *	5277 *	4723 *	4068 *	3383	2684	2027	1513
-47.5	4369 *	4157 *	3887 *	3550 *	3186	2810	2378	1949	1534	1200
-55.0	2121	2045	1936	1820	1704	1546	1378	1185	989	819
-65.0	843	830	811	786	758	716	666	604	533	458
-75.0	352	352	349	345	330	299	259	238	217	202
-85.0	116	114	112	110	107	102	97	91	84	79
-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	74	57	34	10	0
75.0	173	123	83	30	0
65.0	355	220	122	49	0
55.0	576	321	162	66	0
47.5	774	394	188	78	0
42.5	933	441	205	85	0
37.5	1099	483	220	92	0
33.0	1262	521	231	98	0
29.0	1403	554	242	103	0
25.5	1554	581	249	107	0
22.5	1671	599	255	109	0
19.5	1781	617	259	112	0
17.0	1885	627	263	114	0
15.0	1957	633	266	116	0
13.0	2018	637	268	117	0
11.0	2069	638	270	120	0
9.0	2108	644	272	121	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	2136	648	273	121	0
<b>5.0</b>	2156	651	275	121	0
<b>3.0</b>	2177	654	274	122	0
<b>1.0</b>	2159	651	273	122	0
<b>0.0</b>	2150	650	273	122	0
<b>-1.0</b>	2159	651	273	122	0
<b>-3.0</b>	2177	654	274	122	0
<b>-5.0</b>	2156	651	275	121	0
<b>-7.0</b>	2136	648	273	121	0
<b>-9.0</b>	2108	644	272	121	0
<b>-11.0</b>	2069	638	270	120	0
<b>-13.0</b>	2018	637	268	117	0
<b>-15.0</b>	1957	633	266	116	0
<b>-17.0</b>	1885	627	263	114	0
<b>-19.5</b>	1781	617	259	112	0
<b>-22.5</b>	1671	599	255	109	0
<b>-25.5</b>	1554	581	249	107	0
<b>-29.0</b>	1403	554	242	103	0
<b>-33.0</b>	1262	521	231	98	0
<b>-37.5</b>	1099	483	220	92	0
<b>-42.5</b>	933	441	205	85	0
<b>-47.5</b>	774	394	188	78	0
<b>-55.0</b>	576	321	162	66	0
<b>-65.0</b>	355	220	122	49	0
<b>-75.0</b>	173	123	83	30	0
<b>-85.0</b>	74	57	34	10	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 21183.68

Total Field Lumens (one side of beam only) = 19517.29

\* 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	0.10	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.20
75	0.68	1.36	1.36	1.37	1.38	1.39	1.39	1.38	1.37	1.68
65	1.80	3.60	3.60	3.60	3.60	3.60	3.58	3.54	3.48	4.23
55	4.91	9.84	9.80	9.69	9.56	9.38	9.15	8.87	8.55	10.16
47.5	8.60 *	17.19 *	17.02 *	16.71 *	16.35 *	15.89	15.32	14.67	13.94	16.31
42.5	9.85 *	19.66 *	19.43 *	19.04 *	18.60 *	18.02 *	17.33 *	16.53 *	15.65 *	18.23 *
37.5	14.86 *	29.62 *	29.26 *	28.63 *	27.84 *	26.85 *	25.68 *	24.35 *	22.95 *	26.62 *
33	19.99 *	39.71 *	39.08 *	38.09 *	36.74 *	35.07 *	33.16 *	31.17 *	29.16 *	33.44 *
29	24.64 *	48.93 *	48.16 *	46.98 *	45.35 *	43.23 *	40.78 *	38.19 *	35.45 *	40.13 *
25.5	26.47 *	52.65 *	51.97 *	50.92 *	49.45 *	47.55 *	45.25 *	42.62 *	39.69 *	45.00 *
22.5	25.32 *	50.43 *	49.91 *	49.07 *	47.90 *	46.44 *	44.62 *	42.44 *	39.95 *	45.83 *
19.5	27.03 *	53.91 *	53.51 *	52.78 *	51.71 *	50.39 *	48.76 *	46.76 *	44.37 *	51.47 *
17	23.57 *	47.05 *	46.80 *	46.26 *	45.47 *	44.50 *	43.24 *	41.68 *	39.78 *	46.53 *
15	19.48 *	38.89 *	38.69 *	38.29 *	37.73 *	37.02 *	36.07 *	34.86 *	33.41 *	39.31 *
13	19.98 *	39.89 *	39.70 *	39.33 *	38.81 *	38.11 *	37.17 *	36.01 *	34.62 *	40.91 *
11	20.41 *	40.75 *	40.58 *	40.23 *	39.74 *	39.03 *	38.13 *	37.02 *	35.68 *	42.31 *
9	20.78 *	41.49 *	41.32 *	40.98 *	40.48 *	39.80 *	38.96 *	37.89 *	36.60 *	43.52 *
7	21.08 *	42.09 *	41.91 *	41.55 *	41.05 *	40.44 *	39.65 *	38.63 *	37.36 *	44.50 *
5	21.32 *	42.55 *	42.31 *	41.96 *	41.52 *	40.94 *	40.17 *	39.19 *	37.95 *	45.32 *
3	21.48 *	42.81 *	42.56 *	42.26 *	41.85 *	41.27 *	40.51 *	39.56 *	38.37 *	45.87 *
1	21.50 *	42.87 *	42.66 *	42.39 *	41.98 *	41.42 *	40.69 *	39.77 *	38.59 *	46.13 *
0	10.72 *	21.39 *	21.30 *	21.17 *	20.98 *	20.71 *	20.35 *	19.90 *	19.31 *	23.08 *
-1	10.72 *	21.39 *	21.30 *	21.17 *	20.98 *	20.71 *	20.35 *	19.90 *	19.31 *	23.08 *
	21.50 *	42.87 *	42.66 *	42.39 *	41.98 *	41.42 *	40.69 *	39.77 *	38.59 *	46.13 *



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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	21.48 *	42.81 *	42.56 *	42.26 *	41.85 *	41.27 *	40.51 *	39.56 *	38.37 *	45.87 *
<b>-5</b>	21.32 *	42.55 *	42.31 *	41.96 *	41.52 *	40.94 *	40.17 *	39.19 *	37.95 *	45.32 *
<b>-7</b>	21.08 *	42.09 *	41.91 *	41.55 *	41.05 *	40.44 *	39.65 *	38.63 *	37.36 *	44.50 *
<b>-9</b>	20.78 *	41.49 *	41.32 *	40.98 *	40.48 *	39.80 *	38.96 *	37.89 *	36.60 *	43.52 *
<b>-11</b>	20.41 *	40.75 *	40.58 *	40.23 *	39.74 *	39.03 *	38.13 *	37.02 *	35.68 *	42.31 *
<b>-13</b>	19.98 *	39.89 *	39.70 *	39.33 *	38.81 *	38.11 *	37.17 *	36.01 *	34.62 *	40.91 *
<b>-15</b>	19.48 *	38.89 *	38.69 *	38.29 *	37.73 *	37.02 *	36.07 *	34.86 *	33.41 *	39.31 *
<b>-17</b>	23.57 *	47.05 *	46.80 *	46.26 *	45.47 *	44.50 *	43.24 *	41.68 *	39.78 *	46.53 *
<b>-19.5</b>	27.03 *	53.91 *	53.51 *	52.78 *	51.71 *	50.39 *	48.76 *	46.76 *	44.37 *	51.47 *
<b>-22.5</b>	25.32 *	50.43 *	49.91 *	49.07 *	47.90 *	46.44 *	44.62 *	42.44 *	39.95 *	45.83 *
<b>-25.5</b>	26.47 *	52.65 *	51.97 *	50.92 *	49.45 *	47.55 *	45.25 *	42.62 *	39.69 *	45.00 *
<b>-29</b>	24.64 *	48.93 *	48.16 *	46.98 *	45.35 *	43.23 *	40.78 *	38.19 *	35.45 *	40.13 *
<b>-33</b>	19.99 *	39.71 *	39.08 *	38.09 *	36.74 *	35.07 *	33.16 *	31.17 *	29.16 *	33.44 *
<b>-37.5</b>	14.86 *	29.62 *	29.26 *	28.63 *	27.84 *	26.85 *	25.68 *	24.35 *	22.95 *	26.62 *
<b>-42.5</b>	9.85 *	19.66 *	19.43 *	19.04 *	18.60 *	18.02 *	17.33 *	16.53 *	15.65 *	18.23 *
<b>-47.5</b>	8.60 *	17.19 *	17.02 *	16.71 *	16.35 *	15.89 *	15.32 *	14.67 *	13.94 *	16.31 *
<b>-55</b>	4.91	9.84	9.80	9.69	9.56	9.38	9.15	8.87	8.55	10.16
<b>-65</b>	1.80	3.60	3.60	3.60	3.60	3.60	3.58	3.54	3.48	4.23
<b>-75</b>	0.68	1.36	1.36	1.37	1.38	1.39	1.39	1.38	1.37	1.68
<b>-85</b>	0.10	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.20
<b>-90</b>										
<b>Total</b>	729.13	1453.77	1442.23	1422.99	1396.55	1362.43	1320.26	1270.41	1212.8	1421.57

<b>Vert. Angles</b>	<b>Horizontal 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>	0.24	0.23	0.25	0.26	0.26	0.26	0.22	0.27	0.25	0.12
<b>85</b>	1.95	1.86	1.99	1.98	1.92	1.84	1.57	1.89	1.62	0.77
<b>75</b>	4.89	4.63	4.98	5.06	4.94	4.64	3.80	4.24	3.31	1.43
<b>65</b>	11.42	10.58	11.19	11.24	10.72	9.65	7.53	7.89	5.60	2.15
<b>55</b>	17.90	16.06	16.43	15.88	14.46	12.37	9.17	9.03	5.89	2.08

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

<b>47.5</b>	19.79 *	17.46 *	17.52 *	16.50	14.54	11.95	8.44	7.90	4.83	1.60
<b>42.5</b>	28.70 *	25.17 *	25.06 *	23.30 *	20.15 *	16.07	10.93	9.76	5.62	1.75
<b>37.5</b>	35.63 *	30.89 *	30.40 *	28.02 *	24.04 *	18.85 *	12.46	10.64	5.76	1.70
<b>33</b>	42.04 *	35.74 *	34.58 *	31.44 *	26.67 *	20.76 *	13.48	11.12	5.69	1.61
<b>29</b>	46.90 *	39.27 *	37.27 *	33.28 *	27.80 *	21.44 *	13.80 *	11.11	5.45	1.48
<b>25.5</b>	48.27 *	40.52 *	37.97 *	33.24 *	27.33 *	20.84 *	13.37 *	10.61	5.03	1.31
<b>22.5</b>	55.06 *	46.94 *	44.02 *	37.93 *	30.65 *	23.12 *	14.78 *	11.60	5.33	1.35
<b>19.5</b>	50.38 *	43.59 *	41.35 *	35.44 *	28.13 *	20.96 *	13.32 *	10.39	4.67	1.15
<b>17</b>	42.87 *	37.46 *	35.96 *	30.87 *	24.17 *	17.78 *	11.26 *	8.76	3.88	0.93
<b>15</b>	44.87 *	39.47 *	38.20 *	32.90 *	25.57 *	18.67 *	11.78 *	9.13	3.99	0.94
<b>13</b>	46.65 *	41.28 *	40.22 *	34.77 *	26.93 *	19.52 *	12.24 *	9.45	4.08	0.94
<b>11</b>	48.17 *	42.83 *	41.99 *	36.50 *	28.19 *	20.25 *	12.63 *	9.72	4.15	0.95
<b>9</b>	49.42 *	44.09 *	43.44 *	37.93 *	29.25 *	20.86 *	12.96 *	9.93	4.21	0.96
<b>7</b>	50.44 *	45.10 *	44.54 *	39.02 *	30.07 *	21.34 *	13.23 *	10.10	4.25	0.96
<b>5</b>	51.14 *	45.81 *	45.33 *	39.79 *	30.65 *	21.71 *	13.46 *	10.25 *	4.29	0.96
<b>3</b>	51.51 *	46.23 *	45.79 *	40.25 *	31.02 *	21.94 *	13.59 *	10.31 *	4.29	0.96
<b>1</b>	25.80 *	23.18 *	22.95 *	20.20 *	15.59 *	11.00 *	6.80 *	5.15 *	2.13	0.48
<b>0</b>	25.80 *	23.18 *	22.95 *	20.20 *	15.59 *	11.00 *	6.80 *	5.15 *	2.13	0.48
<b>-1</b>	51.51 *	46.23 *	45.79 *	40.25 *	31.02 *	21.94 *	13.59 *	10.31 *	4.29	0.96
<b>-3</b>	51.14 *	45.81 *	45.33 *	39.79 *	30.65 *	21.71 *	13.46 *	10.25 *	4.29	0.96
<b>-5</b>	50.44 *	45.10 *	44.54 *	39.02 *	30.07 *	21.34 *	13.23 *	10.10	4.25	0.96
<b>-7</b>	49.42 *	44.09 *	43.44 *	37.93 *	29.25 *	20.86 *	12.96 *	9.93	4.21	0.96
<b>-9</b>	48.17 *	42.83 *	41.99 *	36.50 *	28.19 *	20.25 *	12.63 *	9.72	4.15	0.95
<b>-11</b>	46.65 *	41.28 *	40.22 *	34.77 *	26.93 *	19.52 *	12.24 *	9.45	4.08	0.94
<b>-13</b>	44.87 *	39.47 *	38.20 *	32.90 *	25.57 *	18.67 *	11.78 *	9.13	3.99	0.94
<b>-15</b>	42.87 *	37.46 *	35.96 *	30.87 *	24.17 *	17.78 *	11.26 *	8.76	3.88	0.93
<b>-17</b>	50.38 *	43.59 *	41.35 *	35.44 *	28.13 *	20.96 *	13.32 *	10.39	4.67	1.15
<b>-19.5</b>	55.06 *	46.94 *	44.02 *	37.93 *	30.65 *	23.12 *	14.78 *	11.60	5.33	1.35

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

<b>-22.5</b>	48.27 *	40.52 *	37.97 *	33.24 *	27.33 *	20.84 *	13.37 *	10.61	5.03	1.31
<b>-25.5</b>	46.90 *	39.27 *	37.27 *	33.28 *	27.80 *	21.44 *	13.80 *	11.11	5.45	1.48
<b>-29</b>	42.04 *	35.74 *	34.58 *	31.44 *	26.67 *	20.76 *	13.48	11.12	5.69	1.61
<b>-33</b>	35.63 *	30.89 *	30.40 *	28.02 *	24.04 *	18.85 *	12.46	10.64	5.76	1.70
<b>-37.5</b>	28.70 *	25.17 *	25.06 *	23.30 *	20.15 *	16.07	10.93	9.76	5.62	1.75
<b>-42.5</b>	19.79 *	17.46 *	17.52 *	16.50	14.54	11.95	8.44	7.90	4.83	1.60
<b>-47.5</b>	17.90	16.06	16.43	15.88	14.46	12.37	9.17	9.03	5.89	2.08
<b>-55</b>	11.42	10.58	11.19	11.24	10.72	9.65	7.53	7.89	5.60	2.15
<b>-65</b>	4.89	4.63	4.98	5.06	4.94	4.64	3.80	4.24	3.31	1.43
<b>-75</b>	1.95	1.86	1.99	1.98	1.92	1.84	1.57	1.89	1.62	0.77
<b>-85</b>	0.24	0.23	0.25	0.26	0.26	0.26	0.22	0.27	0.25	0.12
<b>-90</b>										
<b>Total</b>	1548.08	1356.78	1322.89	1171.57	946.13	711.67	461.63	378.48	188.63	53.17

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	0.03	0.00		4.12
<b>85</b>				
	0.21	0.01		30.94
<b>75</b>				
	0.38	0.01		76.95
<b>65</b>				
	0.53	0.02		178.44
<b>55</b>				
	0.49	0.02		271.77
<b>47.5</b>				
	0.37	0.01		293.24
<b>42.5</b>				
	0.40	0.01		423.59
<b>37.5</b>				
	0.38	0.01		534.39
<b>33</b>				
	0.36	0.01		635.35
<b>29</b>				
	0.32	0.01		689.70
<b>25.5</b>				
	0.29	0.01		680.69
<b>22.5</b>				
	0.29	0.01		751.76
<b>19.5</b>				
	0.25	0.01		674.50
<b>17</b>				
	0.20	0.01		567.91

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

**LUMENS TABULATION - (Cont.)**

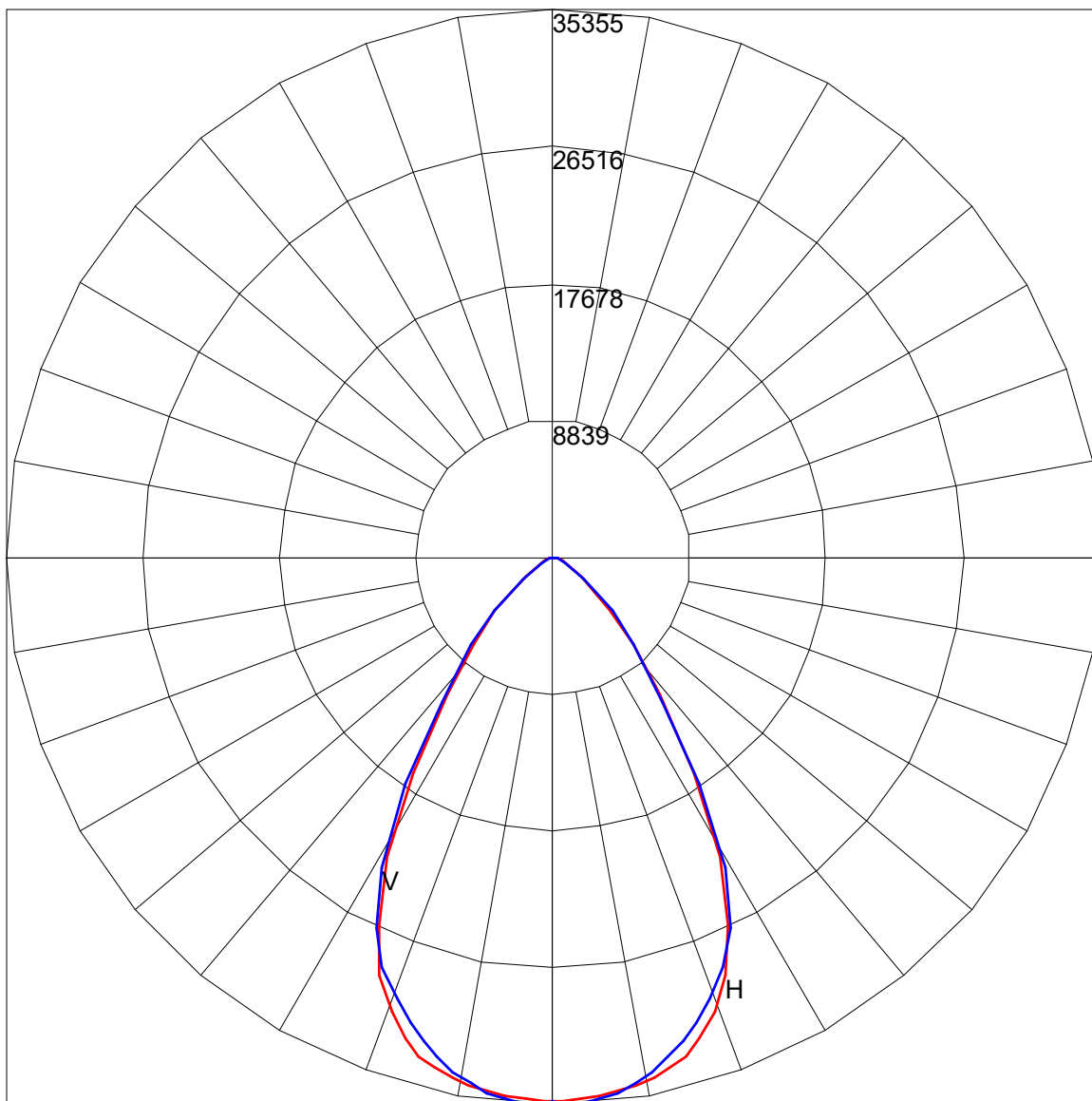
<b>15</b>	0.20	0.01	590.27
<b>13</b>	0.20	0.01	610.20
<b>11</b>	0.21	0.01	627.42
<b>9</b>	0.21	0.01	641.54
<b>7</b>	0.21	0.01	652.50
<b>5</b>	0.21	0.01	660.16
<b>3</b>	0.21	0.01	664.10
<b>1</b>	0.10	0.00	332.29
<b>0</b>	0.10	0.00	332.29
<b>-1</b>	0.21	0.01	664.10
<b>-3</b>	0.21	0.01	660.16
<b>-5</b>	0.21	0.01	652.50
<b>-7</b>	0.21	0.01	641.54
<b>-9</b>	0.21	0.01	627.42
<b>-11</b>	0.20	0.01	610.20
<b>-13</b>	0.20	0.01	590.27
<b>-15</b>	0.20	0.01	567.91
<b>-17</b>	0.25	0.01	674.50
<b>-19.5</b>	0.29	0.01	751.76
<b>-22.5</b>	0.29	0.01	680.69
<b>-25.5</b>	0.32	0.01	689.70
<b>-29</b>	0.36	0.01	635.35
<b>-33</b>	0.38	0.01	534.39
<b>-37.5</b>	0.40	0.01	423.59
<b>-42.5</b>	0.37	0.01	293.24
<b>-47.5</b>	0.49	0.02	271.77
<b>-55</b>	0.53	0.02	178.44
<b>-65</b>	0.38	0.01	76.95

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

**LUMENS TABULATION - (Cont.)**

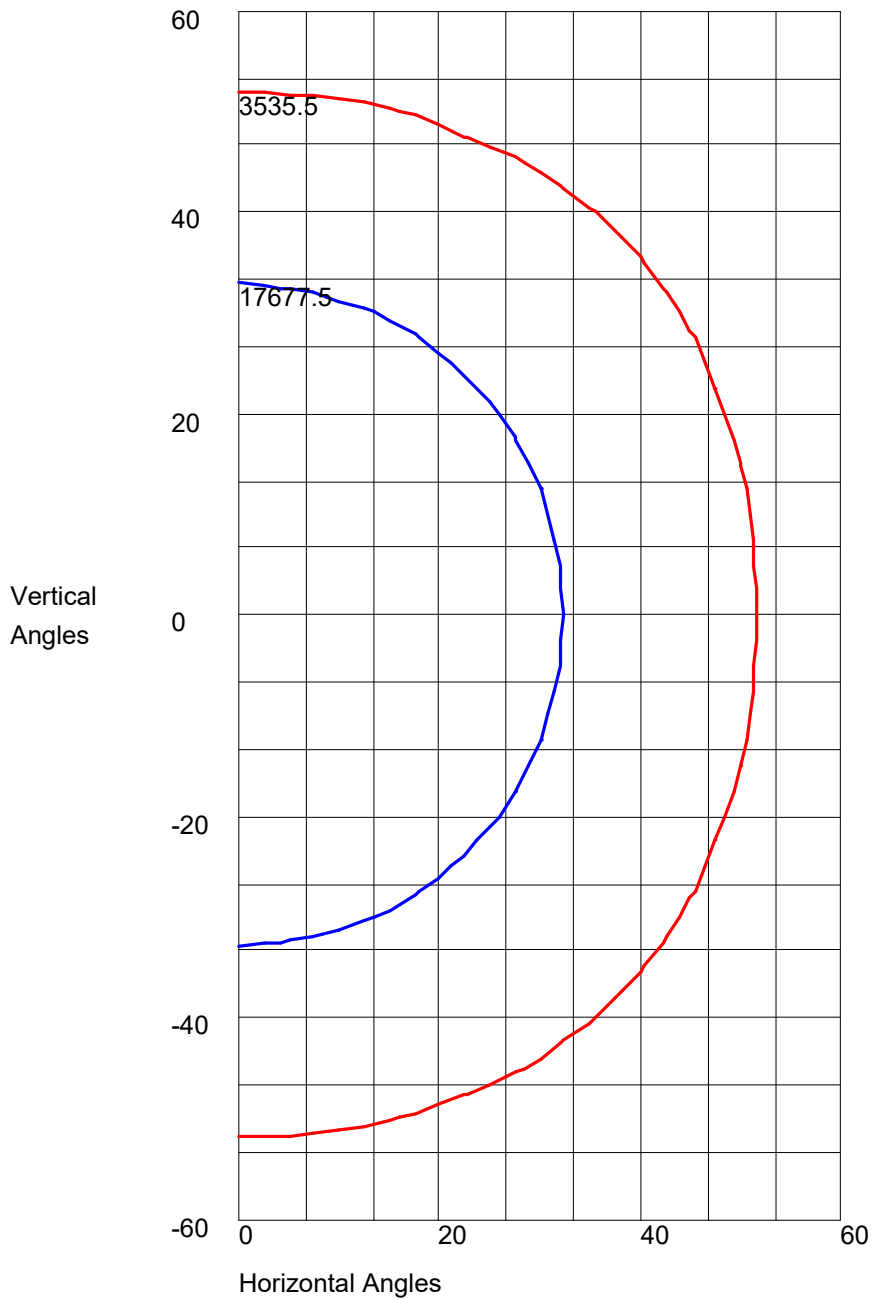
<b>-75</b>	0.21	0.01	30.94
<b>-85</b>	0.03	0.00	4.12
<b>-90</b>			
<b>Total</b>	12.06	0.45	21183.66

AXIAL CANDELA DISPLAY



Maximum Candela = 35355 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 35355 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 17677.5  
10% Maximum Candela = 3535.5