



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-FGS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12619  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 04/01/21  
[TESTDATE] 03/17/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-30L-PC-WF-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	5 H x 5 V
Maximum Candela	31648
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	57.7
Vertical Beam Angle (50%)	61.3
Horizontal Field Angle (10%)	90.3
Vertical Field Angle (10%)	96.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	20542
Beam Efficiency	N.A.
Field Lumens	29098
Field Efficiency	N.A.
Spill Lumens	2249
Luminaire Lumens	31347
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	13	85	20
75	47	75	45
65	97	65	328
55	769	55	1215
47.5	2334	47.5	3336
42.5	4104	42.5	5273
37.5	6796	37.5	8004
33	10917	33	12790
29	15769	29	17912
25.5	19877	25.5	21662
22.5	23152	22.5	24470
19.5	25587	19.5	26648
17	27700	17	28256
15	28900	15	29024
13	30155	13	29762
11	30853	11	30359
9	31206	9	30855
7	31362	7	31254
5	31405	5	31524
3	31410	3	31648
1	31447	1	31554
0	31471	0	31471
-1	31447	-1	31554
-3	31410	-3	31648
-5	31405	-5	31524
-7	31362	-7	31254
-9	31206	-9	30855
-11	30853	-11	30359
-13	30155	-13	29762
-15	28900	-15	29024
-17	27700	-17	28256
-19.5	25587	-19.5	26648
-22.5	23152	-22.5	24470
-25.5	19877	-25.5	21662
-29	15769	-29	17912
-33	10917	-33	12790
-37.5	6796	-37.5	8004
-42.5	4104	-42.5	5273
-47.5	2334	-47.5	3336
-55	769	-55	1215
-65	97	-65	328
-75	47	-75	45
-85	13	-85	20
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 31648

Beam Edge = 15824 Cd (50% of Max.)

Field Edge = 3164.8 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	1	5	8	11	12	13	14	15	16
75.0	0	4	11	17	23	26	28	31	32	35
65.0	0	7	17	28	38	44	56	85	123	157
55.0	0	9	23	41	55	115	208	324	439	547
47.5	0	10	28	51	87	285	478	727	979	1289
42.5	0	10	32	57	135	440	725	1068	1497	1982
37.5	0	11	35	62	213	652	1002	1544	2250	2956
33.0	0	11	37	67	298	868	1368	2180	3110	4165 *
29.0	0	12	39	71	373	1100	1756	2859	4157 *	5607 *
25.5	0	12	41	74	459	1319	2163	3540 *	5181 *	7122 *
22.5	0	12	42	79	522	1524	2527	4154 *	6156 *	8585 *
19.5	0	12	43	84	583	1708	2903	4765 *	7146 *	10120 *
17.0	0	13	44	88	639	1862	3166 *	5221 *	8006 *	11416 *
15.0	0	13	45	90	677	1985	3369 *	5545 *	8625 *	12292 *
13.0	0	13	45	92	708	2089	3544 *	5889 *	9181 *	13151 *
11.0	0	13	46	93	732	2175	3691 *	6173 *	9710 *	13914 *
9.0	0	13	46	94	750	2243	3815 *	6400 *	10154 *	14570 *
7.0	0	13	47	95	761	2293	3912 *	6568 *	10501 *	15078 *
5.0	0	13	47	96	771	2326	3982 *	6678 *	10748 *	15432 *
3.0	0	13	47	97	782	2355	4083 *	6750 *	10892 *	15655 *
1.0	0	13	47	97	773	2341	4097 *	6801 *	10935 *	15766 *
0.0	0	13	47	97	769	2334	4104 *	6796 *	10917 *	15769 *
-1.0	0	13	47	97	773	2341	4097 *	6801 *	10935 *	15766 *
-3.0	0	13	47	97	782	2355	4083 *	6750 *	10892 *	15655 *
-5.0	0	13	47	96	771	2326	3982 *	6678 *	10748 *	15432 *
-7.0	0	13	47	95	761	2293	3912 *	6568 *	10501 *	15078 *
-9.0	0	13	46	94	750	2243	3815 *	6400 *	10154 *	14570 *
-11.0	0	13	46	93	732	2175	3691 *	6173 *	9710 *	13914 *
-13.0	0	13	45	92	708	2089	3544 *	5889 *	9181 *	13151 *
-15.0	0	13	45	90	677	1985	3369 *	5545 *	8625 *	12292 *
-17.0	0	13	44	88	639	1862	3166 *	5221 *	8006 *	11416 *
-19.5	0	12	43	84	583	1708	2903	4765 *	7146 *	10120 *
-22.5	0	12	42	79	522	1524	2527	4154 *	6156 *	8585 *
-25.5	0	12	41	74	459	1319	2163	3540 *	5181 *	7122 *
-29.0	0	12	39	71	373	1100	1756	2859	4157 *	5607 *
-33.0	0	11	37	67	298	868	1368	2180	3110	4165 *
-37.5	0	11	35	62	213	652	1002	1544	2250	2956
-42.5	0	10	32	57	135	440	725	1068	1497	1982
-47.5	0	10	28	51	87	285	478	727	979	1289
-55.0	0	9	23	41	55	115	208	324	439	547
-65.0	0	7	17	28	38	44	56	85	123	157
-75.0	0	4	11	17	23	26	28	31	32	35
-85.0	0	1	5	8	11	12	13	14	15	16
-90.0	0	0	0	0	0	0	0	0	0	0

**IES FLOOD REPORT**  
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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	17	17	18	18	19	19	19	20	20	20
75.0	37	39	41	42	43	43	43	44	44	44
65.0	185	211	239	261	277	291	301	308	315	319
55.0	664	755	855	956	1029	1096	1142	1176	1201	1219
47.5	1586	1872	2176	2424	2622	2812	2989	3108	3205 *	3280 *
42.5	2492	2930	3386 *	3762 *	4074 *	4374 *	4647 *	4850 *	4996 *	5113 *
37.5	3655 *	4341 *	5104 *	5708 *	6141 *	6629 *	7078 *	7468 *	7701 *	7852 *
33.0	5271 *	6327 *	7406 *	8485 *	9306 *	10034 *	10804 *	11510 *	12049 *	12440 *
29.0	7183 *	8800 *	10544 *	12116 *	13351 *	14550 *	15555 *	16447 *	17159 *	17579 *
25.5	9268 *	11400 *	13695 *	15535 *	16978 *	18289 *	19427 *	20291 *	20947 *	21343 *
22.5	11338 *	13867 *	16486 *	18497 *	19955 *	21297 *	22403 *	23157 *	23754 *	24189 *
19.5	13435 *	16244 *	19099 *	21214 *	22706 *	23981 *	24956 *	25681 *	26232 *	26587 *
17.0	14906 *	18076 *	20818 *	23003 *	24575 *	25713 *	26790 *	27348 *	27731 *	28077 *
15.0	16011 *	19172 *	21873 *	24115 *	25548 *	26781 *	27730 *	28338 *	28598 *	28866 *
13.0	16944 *	20130 *	22798 *	24907 *	26413 *	27602 *	28532 *	29086 *	29370 *	29562 *
11.0	17757 *	21033 *	23577 *	25745 *	27053 *	28276 *	29275 *	29738 *	29999 *	30172 *
9.0	18472 *	21700 *	24260 *	26363 *	27754 *	28896 *	29785 *	30302 *	30507 *	30674 *
7.0	19081 *	22265 *	24901 *	26959 *	28261 *	29376 *	30234 *	30630 *	30922 *	31057 *
5.0	19542 *	22702 *	25343 *	27466 *	28565 *	29694 *	30632 *	30923 *	31108 *	31337 *
3.0	19811 *	23015 *	25598 *	27702 *	28755 *	29942 *	30715 *	31082 *	31330 *	31385 *
1.0	19899 *	23179 *	25652 *	27744 *	28899 *	30089 *	30787 *	31159 *	31341 *	31411 *
0.0	19877 *	23152 *	25587 *	27700 *	28900 *	30155 *	30853 *	31206 *	31362 *	31405 *
-1.0	19899 *	23179 *	25652 *	27744 *	28899 *	30089 *	30787 *	31159 *	31341 *	31411 *
-3.0	19811 *	23015 *	25598 *	27702 *	28755 *	29942 *	30715 *	31082 *	31330 *	31385 *
-5.0	19542 *	22702 *	25343 *	27466 *	28565 *	29694 *	30632 *	30923 *	31108 *	31337 *
-7.0	19081 *	22265 *	24901 *	26959 *	28261 *	29376 *	30234 *	30630 *	30922 *	31057 *
-9.0	18472 *	21700 *	24260 *	26363 *	27754 *	28896 *	29785 *	30302 *	30507 *	30674 *
-11.0	17757 *	21033 *	23577 *	25745 *	27053 *	28276 *	29275 *	29738 *	29999 *	30172 *
-13.0	16944 *	20130 *	22798 *	24907 *	26413 *	27602 *	28532 *	29086 *	29370 *	29562 *
-15.0	16011 *	19172 *	21873 *	24115 *	25548 *	26781 *	27730 *	28338 *	28598 *	28866 *
-17.0	14906 *	18076 *	20818 *	23003 *	24575 *	25713 *	26790 *	27348 *	27731 *	28077 *
-19.5	13435 *	16244 *	19099 *	21214 *	22706 *	23981 *	24956 *	25681 *	26232 *	26587 *
-22.5	11338 *	13867 *	16486 *	18497 *	19955 *	21297 *	22403 *	23157 *	23754 *	24189 *
-25.5	9268 *	11400 *	13695 *	15535 *	16978 *	18289 *	19427 *	20291 *	20947 *	21343 *
-29.0	7183 *	8800 *	10544 *	12116 *	13351 *	14550 *	15555 *	16447 *	17159 *	17579 *
-33.0	5271 *	6327 *	7406 *	8485 *	9306 *	10034 *	10804 *	11510 *	12049 *	12440 *
-37.5	3655 *	4341 *	5104 *	5708 *	6141 *	6629 *	7078 *	7468 *	7701 *	7852 *
-42.5	2492	2930	3386 *	3762 *	4074 *	4374 *	4647 *	4850 *	4996 *	5113 *
-47.5	1586	1872	2176	2424	2622	2812	2989	3108	3205 *	3280 *
-55.0	664	755	855	956	1029	1096	1142	1176	1201	1219
-65.0	185	211	239	261	277	291	301	308	315	319
-75.0	37	39	41	42	43	43	43	44	44	44
-85.0	17	17	18	18	19	19	19	20	20	20
-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	20	20	20	20	20	20	20	20	19	19
75.0	44	45	45	45	44	44	44	44	43	43
65.0	325	327	328	327	325	319	315	308	301	291

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**CANDELA TABULATION - (Cont.)**

55.0	1233	1221	1215	1221	1233	1219	1201	1176	1142	1096
47.5	3347 *	3340 *	3336 *	3340 *	3347 *	3280 *	3205 *	3108	2989	2812
42.5	5232 *	5259 *	5273 *	5259 *	5232 *	5113 *	4996 *	4850 *	4647 *	4374 *
37.5	7930 *	8001 *	8004 *	8001 *	7930 *	7852 *	7701 *	7468 *	7078 *	6629 *
33.0	12701 *	12795 *	12790 *	12795 *	12701 *	12440 *	12049 *	11510 *	10804 *	10034 *
29.0	17844 *	17930 *	17912 *	17930 *	17844 *	17579 *	17159 *	16447 *	15555 *	14550 *
25.5	21585 *	21676 *	21662 *	21676 *	21585 *	21343 *	20947 *	20291 *	19427 *	18289 *
22.5	24438 *	24526 *	24470 *	24526 *	24438 *	24189 *	23754 *	23157 *	22403 *	21297 *
19.5	26703 *	26697 *	26648 *	26697 *	26703 *	26587 *	26232 *	25681 *	24956 *	23981 *
17.0	28254 *	28284 *	28256 *	28284 *	28254 *	28077 *	27731 *	27348 *	26790 *	25713 *
15.0	29017 *	29063 *	29024 *	29063 *	29017 *	28866 *	28598 *	28338 *	27730 *	26781 *
13.0	29702 *	29743 *	29762 *	29743 *	29702 *	29562 *	29370 *	29086 *	28532 *	27602 *
11.0	30286 *	30325 *	30359 *	30325 *	30286 *	30172 *	29999 *	29738 *	29275 *	28276 *
9.0	30778 *	30825 *	30855 *	30825 *	30778 *	30674 *	30507 *	30302 *	29785 *	28896 *
7.0	31167 *	31228 *	31254 *	31228 *	31167 *	31057 *	30922 *	30630 *	30234 *	29376 *
5.0	31384 *	31495 *	31524 *	31495 *	31384 *	31337 *	31108 *	30923 *	30632 *	29694 *
3.0	31520 *	31587 *	31648 *	31587 *	31520 *	31385 *	31330 *	31082 *	30715 *	29942 *
1.0	31440 *	31526 *	31554 *	31526 *	31440 *	31411 *	31341 *	31159 *	30787 *	30089 *
0.0	31410 *	31447 *	31471 *	31447 *	31410 *	31405 *	31362 *	31206 *	30853 *	30155 *
-1.0	31440 *	31526 *	31554 *	31526 *	31440 *	31411 *	31341 *	31159 *	30787 *	30089 *
-3.0	31520 *	31587 *	31648 *	31587 *	31520 *	31385 *	31330 *	31082 *	30715 *	29942 *
-5.0	31384 *	31495 *	31524 *	31495 *	31384 *	31337 *	31108 *	30923 *	30632 *	29694 *
-7.0	31167 *	31228 *	31254 *	31228 *	31167 *	31057 *	30922 *	30630 *	30234 *	29376 *
-9.0	30778 *	30825 *	30855 *	30825 *	30778 *	30674 *	30507 *	30302 *	29785 *	28896 *
-11.0	30286 *	30325 *	30359 *	30325 *	30286 *	30172 *	29999 *	29738 *	29275 *	28276 *
-13.0	29702 *	29743 *	29762 *	29743 *	29702 *	29562 *	29370 *	29086 *	28532 *	27602 *
-15.0	29017 *	29063 *	29024 *	29063 *	29017 *	28866 *	28598 *	28338 *	27730 *	26781 *
-17.0	28254 *	28284 *	28256 *	28284 *	28254 *	28077 *	27731 *	27348 *	26790 *	25713 *
-19.5	26703 *	26697 *	26648 *	26697 *	26703 *	26587 *	26232 *	25681 *	24956 *	23981 *
-22.5	24438 *	24526 *	24470 *	24526 *	24438 *	24189 *	23754 *	23157 *	22403 *	21297 *
-25.5	21585 *	21676 *	21662 *	21676 *	21585 *	21343 *	20947 *	20291 *	19427 *	18289 *
-29.0	17844 *	17930 *	17912 *	17930 *	17844 *	17579 *	17159 *	16447 *	15555 *	14550 *
-33.0	12701 *	12795 *	12790 *	12795 *	12701 *	12440 *	12049 *	11510 *	10804 *	10034 *
-37.5	7930 *	8001 *	8004 *	8001 *	7930 *	7852 *	7701 *	7468 *	7078 *	6629 *
-42.5	5232 *	5259 *	5273 *	5259 *	5232 *	5113 *	4996 *	4850 *	4647 *	4374 *
-47.5	3347 *	3340 *	3336 *	3340 *	3347 *	3280 *	3205 *	3108	2989	2812
-55.0	1233	1221	1215	1221	1233	1219	1201	1176	1142	1096
-65.0	325	327	328	327	325	319	315	308	301	291
-75.0	44	45	45	45	44	44	44	44	43	43
-85.0	20	20	20	20	20	20	20	20	19	19
-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	19	18	18	17	17	16	15	14	13	12
75.0	43	42	41	39	37	35	32	31	28	26
65.0	277	261	239	211	185	157	123	85	56	44
55.0	1029	956	855	755	664	547	439	324	208	115
47.5	2622	2424	2176	1872	1586	1289	979	727	478	285
42.5	4074 *	3762 *	3386 *	2930	2492	1982	1497	1068	725	440
37.5	6141 *	5708 *	5104 *	4341 *	3655 *	2956	2250	1544	1002	652
33.0	9306 *	8485 *	7406 *	6327 *	5271 *	4165 *	3110	2180	1368	868
29.0	13351 *	12116 *	10544 *	8800 *	7183 *	5607 *	4157 *	2859	1756	1100
25.5	16978 *	15535 *	13695 *	11400 *	9268 *	7122 *	5181 *	3540 *	2163	1319

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**CANDELA TABULATION - (Cont.)**

22.5	19955 *	18497 *	16486 *	13867 *	11338 *	8585 *	6156 *	4154 *	2527	1524
19.5	22706 *	21214 *	19099 *	16244 *	13435 *	10120 *	7146 *	4765 *	2903	1708
17.0	24575 *	23003 *	20818 *	18076 *	14906 *	11416 *	8006 *	5221 *	3166 *	1862
15.0	25548 *	24115 *	21873 *	19172 *	16011 *	12292 *	8625 *	5545 *	3369 *	1985
13.0	26413 *	24907 *	22798 *	20130 *	16944 *	13151 *	9181 *	5889 *	3544 *	2089
11.0	27053 *	25745 *	23577 *	21033 *	17757 *	13914 *	9710 *	6173 *	3691 *	2175
9.0	27754 *	26363 *	24260 *	21700 *	18472 *	14570 *	10154 *	6400 *	3815 *	2243
7.0	28261 *	26959 *	24901 *	22265 *	19081 *	15078 *	10501 *	6568 *	3912 *	2293
5.0	28565 *	27466 *	25343 *	22702 *	19542 *	15432 *	10748 *	6678 *	3982 *	2326
3.0	28755 *	27702 *	25598 *	23015 *	19811 *	15655 *	10892 *	6750 *	4083 *	2355
1.0	28899 *	27744 *	25652 *	23179 *	19899 *	15766 *	10935 *	6801 *	4097 *	2341
0.0	28900 *	27700 *	25587 *	23152 *	19877 *	15769 *	10917 *	6796 *	4104 *	2334
-1.0	28899 *	27744 *	25652 *	23179 *	19899 *	15766 *	10935 *	6801 *	4097 *	2341
-3.0	28755 *	27702 *	25598 *	23015 *	19811 *	15655 *	10892 *	6750 *	4083 *	2355
-5.0	28565 *	27466 *	25343 *	22702 *	19542 *	15432 *	10748 *	6678 *	3982 *	2326
-7.0	28261 *	26959 *	24901 *	22265 *	19081 *	15078 *	10501 *	6568 *	3912 *	2293
-9.0	27754 *	26363 *	24260 *	21700 *	18472 *	14570 *	10154 *	6400 *	3815 *	2243
-11.0	27053 *	25745 *	23577 *	21033 *	17757 *	13914 *	9710 *	6173 *	3691 *	2175
-13.0	26413 *	24907 *	22798 *	20130 *	16944 *	13151 *	9181 *	5889 *	3544 *	2089
-15.0	25548 *	24115 *	21873 *	19172 *	16011 *	12292 *	8625 *	5545 *	3369 *	1985
-17.0	24575 *	23003 *	20818 *	18076 *	14906 *	11416 *	8006 *	5221 *	3166 *	1862
-19.5	22706 *	21214 *	19099 *	16244 *	13435 *	10120 *	7146 *	4765 *	2903	1708
-22.5	19955 *	18497 *	16486 *	13867 *	11338 *	8585 *	6156 *	4154 *	2527	1524
-25.5	16978 *	15535 *	13695 *	11400 *	9268 *	7122 *	5181 *	3540 *	2163	1319
-29.0	13351 *	12116 *	10544 *	8800 *	7183 *	5607 *	4157 *	2859	1756	1100
-33.0	9306 *	8485 *	7406 *	6327 *	5271 *	4165 *	3110	2180	1368	868
-37.5	6141 *	5708 *	5104 *	4341 *	3655 *	2956	2250	1544	1002	652
-42.5	4074 *	3762 *	3386 *	2930	2492	1982	1497	1068	725	440
-47.5	2622	2424	2176	1872	1586	1289	979	727	478	285
-55.0	1029	956	855	755	664	547	439	324	208	115
-65.0	277	261	239	211	185	157	123	85	56	44
-75.0	43	42	41	39	37	35	32	31	28	26
-85.0	19	18	18	17	17	16	15	14	13	12
-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	11	8	5	1	0
75.0	23	17	11	4	0
65.0	38	28	17	7	0
55.0	55	41	23	9	0
47.5	87	51	28	10	0
42.5	135	57	32	10	0
37.5	213	62	35	11	0
33.0	298	67	37	11	0
29.0	373	71	39	12	0
25.5	459	74	41	12	0
22.5	522	79	42	12	0
19.5	583	84	43	12	0
17.0	639	88	44	13	0
15.0	677	90	45	13	0
13.0	708	92	45	13	0
11.0	732	93	46	13	0
9.0	750	94	46	13	0

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

7.0	761	95	47	13	0
5.0	771	96	47	13	0
3.0	782	97	47	13	0
1.0	773	97	47	13	0
0.0	769	97	47	13	0
-1.0	773	97	47	13	0
-3.0	782	97	47	13	0
-5.0	771	96	47	13	0
-7.0	761	95	47	13	0
-9.0	750	94	46	13	0
-11.0	732	93	46	13	0
-13.0	708	92	45	13	0
-15.0	677	90	45	13	0
-17.0	639	88	44	13	0
-19.5	583	84	43	12	0
-22.5	522	79	42	12	0
-25.5	459	74	41	12	0
-29.0	373	71	39	12	0
-33.0	298	67	37	11	0
-37.5	213	62	35	11	0
-42.5	135	57	32	10	0
-47.5	87	51	28	10	0
-55.0	55	41	23	9	0
-65.0	38	28	17	7	0
-75.0	23	17	11	4	0
-85.0	11	8	5	1	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15673.49

Total Field Lumens (one side of beam only) = 14549.15

\* 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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.10	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.22
65	0.57	1.13	1.11	1.09	1.07	1.04	1.01	0.97	0.91	1.05
55	2.35	4.73	4.70	4.63	4.52	4.39	4.22	3.98	3.69	4.18
47.5	5.20	10.44	10.35	10.12	9.83	9.47	8.98	8.38	7.72	8.69
42.5	6.55 *	13.07 *	12.89 *	12.57 *	12.19 *	11.69 *	11.04 *	10.26 *	9.43 *	10.62
37.5	10.10 *	20.11 *	19.85 *	19.43 *	18.86 *	18.03 *	16.93 *	15.68 *	14.41 *	16.24 *
33	14.25 *	28.37 *	27.98 *	27.29 *	26.28 *	24.88 *	23.16 *	21.35 *	19.53 *	21.72 *
29	18.71 *	37.30 *	36.81 *	35.88 *	34.49 *	32.59 *	30.36 *	27.92 *	25.33 *	27.88 *
25.5	21.10 *	42.10 *	41.66 *	40.84 *	39.51 *	37.65 *	35.36 *	32.67 *	29.71 *	32.84 *
22.5	21.09 *	42.11 *	41.73 *	41.00 *	39.88 *	38.37 *	36.39 *	33.92 *	31.17 *	34.83 *
19.5	23.38 *	46.74 *	46.45 *	45.79 *	44.71 *	43.28 *	41.40 *	38.99 *	36.18 *	40.84 *
17	20.92 *	41.83 *	41.64 *	41.13 *	40.34 *	39.29 *	37.78 *	35.83 *	33.49 *	38.03 *
15	17.46 *	34.89 *	34.71 *	34.31 *	33.79 *	33.06 *	31.88 *	30.33 *	28.47 *	32.47 *
13	17.91 *	35.78 *	35.60 *	35.26 *	34.81 *	34.10 *	32.97 *	31.43 *	29.57 *	33.88 *
11	18.30 *	36.55 *	36.38 *	36.08 *	35.65 *	34.99 *	33.87 *	32.32 *	30.49 *	35.08 *
9	18.64 *	37.20 *	37.04 *	36.76 *	36.36 *	35.73 *	34.63 *	33.10 *	31.30 *	36.14 *
7	18.91 *	37.75 *	37.58 *	37.31 *	36.91 *	36.28 *	35.24 *	33.78 *	32.01 *	37.06 *
5	19.11 *	38.14 *	37.97 *	37.69 *	37.28 *	36.72 *	35.73 *	34.25 *	32.57 *	37.85 *
3	19.23 *	38.35 *	38.17 *	37.92 *	37.54 *	37.00 *	36.05 *	34.57 *	32.94 *	38.37 *
1	19.24 *	38.38 *	38.21 *	38.01 *	37.68 *	37.12 *	36.21 *	34.78 *	33.12 *	38.58 *
0	9.59 *	19.15 *	19.09 *	19.01 *	18.86 *	18.60 *	18.16 *	17.44 *	16.58 *	19.29 *
-1	9.59 *	19.15 *	19.09 *	19.01 *	18.86 *	18.60 *	18.16 *	17.44 *	16.58 *	19.29 *
	19.24 *	38.38 *	38.21 *	38.01 *	37.68 *	37.12 *	36.21 *	34.78 *	33.12 *	38.58 *



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

<b>-3</b>	19.23 *	38.35 *	38.17 *	37.92 *	37.54 *	37.00 *	36.05 *	34.57 *	32.94 *	38.37 *
<b>-5</b>	19.11 *	38.14 *	37.97 *	37.69 *	37.28 *	36.72 *	35.73 *	34.25 *	32.57 *	37.85 *
<b>-7</b>	18.91 *	37.75 *	37.58 *	37.31 *	36.91 *	36.28 *	35.24 *	33.78 *	32.01 *	37.06 *
<b>-9</b>	18.64 *	37.20 *	37.04 *	36.76 *	36.36 *	35.73 *	34.63 *	33.10 *	31.30 *	36.14 *
<b>-11</b>	18.30 *	36.55 *	36.38 *	36.08 *	35.65 *	34.99 *	33.87 *	32.32 *	30.49 *	35.08 *
<b>-13</b>	17.91 *	35.78 *	35.60 *	35.26 *	34.81 *	34.10 *	32.97 *	31.43 *	29.57 *	33.88 *
<b>-15</b>	17.46 *	34.89 *	34.71 *	34.31 *	33.79 *	33.06 *	31.88 *	30.33 *	28.47 *	32.47 *
<b>-17</b>	20.92 *	41.83 *	41.64 *	41.13 *	40.34 *	39.29 *	37.78 *	35.83 *	33.49 *	38.03 *
<b>-19.5</b>	23.38 *	46.74 *	46.45 *	45.79 *	44.71 *	43.28 *	41.40 *	38.99 *	36.18 *	40.84 *
<b>-22.5</b>	21.09 *	42.11 *	41.73 *	41.00 *	39.88 *	38.37 *	36.39 *	33.92 *	31.17 *	34.83 *
<b>-25.5</b>	21.10 *	42.10 *	41.66 *	40.84 *	39.51 *	37.65 *	35.36 *	32.67 *	29.71 *	32.84 *
<b>-29</b>	18.71 *	37.30 *	36.81 *	35.88 *	34.49 *	32.59 *	30.36 *	27.92 *	25.33 *	27.88 *
<b>-33</b>	14.25 *	28.37 *	27.98 *	27.29 *	26.28 *	24.88 *	23.16 *	21.35 *	19.53 *	21.72 *
<b>-37.5</b>	10.10 *	20.11 *	19.85 *	19.43 *	18.86 *	18.03 *	16.93 *	15.68 *	14.41 *	16.24 *
<b>-42.5</b>	6.55 *	13.07 *	12.89 *	12.57 *	12.19 *	11.69 *	11.04 *	10.26 *	9.43 *	10.62
<b>-47.5</b>	5.20	10.44	10.35	10.12	9.83	9.47	8.98	8.38	7.72	8.69
<b>-55</b>	2.35	4.73	4.70	4.63	4.52	4.39	4.22	3.98	3.69	4.18
<b>-65</b>	0.57	1.13	1.11	1.09	1.07	1.04	1.01	0.97	0.91	1.05
<b>-75</b>	0.10	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.22
<b>-85</b>	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<b>-90</b>										
<b>Total</b>	605.50	1208.7	1200.28	1184.69	1161.57	1129.01	1083.16	1024.3	957.65	1091.76

**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>	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.02
<b>85</b>	0.25	0.23	0.25	0.26	0.26	0.25	0.21	0.26	0.22	0.11
<b>75</b>	1.13	0.99	0.98	0.91	0.76	0.58	0.41	0.47	0.40	0.19
<b>65</b>	4.39	3.79	3.68	3.30	2.72	1.96	1.14	0.90	0.62	0.28
<b>55</b>	9.05	7.63	7.26	6.37	5.18	3.80	2.19	1.45	0.67	0.28

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**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	11.05	9.27	8.71	7.50	5.97	4.37	2.59	1.69	0.63	0.22
<b>42.5</b>	16.81 *	14.00 *	13.13	11.34	8.90	6.33	3.79	2.57	0.89	0.24
<b>37.5</b>	22.24 *	18.40 *	17.11 *	14.66	11.44	8.00	4.71	3.27	1.10	0.24
<b>33</b>	28.22 *	23.02 *	21.06 *	17.79 *	13.77	9.52	5.48	3.77	1.23	0.22
<b>29</b>	33.17 *	26.77 *	24.20 *	20.16 *	15.41 *	10.53	5.97	4.06	1.30	0.20
<b>25.5</b>	35.48 *	28.72 *	25.81 *	21.18 *	15.97 *	10.83	6.08	4.10	1.29	0.18
<b>22.5</b>	42.03 *	34.36 *	30.90 *	25.07 *	18.65 *	12.55 *	6.99	4.65	1.45	0.19
<b>19.5</b>	39.58 *	32.69 *	29.54 *	23.94 *	17.58 *	11.70 *	6.49	4.28	1.33	0.17
<b>17</b>	34.10 *	28.45 *	25.88 *	21.06 *	15.33 *	10.09 *	5.59	3.69	1.14	0.14
<b>15</b>	35.82 *	30.16 *	27.67 *	22.58 *	16.36 *	10.70 *	5.91	3.90	1.19	0.14
<b>13</b>	37.34 *	31.66 *	29.27 *	23.99 *	17.32 *	11.25 *	6.19	4.08	1.24	0.14
<b>11</b>	38.63 *	32.96 *	30.66 *	25.24 *	18.15 *	11.71 *	6.42	4.22	1.27	0.15
<b>9</b>	39.72 *	34.02 *	31.84 *	26.26 *	18.81 *	12.07 *	6.60	4.32	1.29	0.15
<b>7</b>	40.61 *	34.89 *	32.76 *	27.02 *	19.30 *	12.33 *	6.74	4.39	1.31	0.15
<b>5</b>	41.23 *	35.51 *	33.38 *	27.53 *	19.62 *	12.53 *	6.86 *	4.45	1.33	0.15
<b>3</b>	41.56 *	35.85 *	33.70 *	27.80 *	19.80 *	12.67 *	6.93 *	4.47	1.33	0.15
<b>1</b>	20.81 *	17.97 *	16.90 *	13.94 *	9.92 *	6.36 *	3.47 *	2.22	0.66	0.07
<b>0</b>	20.81 *	17.97 *	16.90 *	13.94 *	9.92 *	6.36 *	3.47 *	2.22	0.66	0.07
<b>-1</b>	41.56 *	35.85 *	33.70 *	27.80 *	19.80 *	12.67 *	6.93 *	4.47	1.33	0.15
<b>-3</b>	41.23 *	35.51 *	33.38 *	27.53 *	19.62 *	12.53 *	6.86 *	4.45	1.33	0.15
<b>-5</b>	40.61 *	34.89 *	32.76 *	27.02 *	19.30 *	12.33 *	6.74	4.39	1.31	0.15
<b>-7</b>	39.72 *	34.02 *	31.84 *	26.26 *	18.81 *	12.07 *	6.60	4.32	1.29	0.15
<b>-9</b>	38.63 *	32.96 *	30.66 *	25.24 *	18.15 *	11.71 *	6.42	4.22	1.27	0.15
<b>-11</b>	37.34 *	31.66 *	29.27 *	23.99 *	17.32 *	11.25 *	6.19	4.08	1.24	0.14
<b>-13</b>	35.82 *	30.16 *	27.67 *	22.58 *	16.36 *	10.70 *	5.91	3.90	1.19	0.14
<b>-15</b>	34.10 *	28.45 *	25.88 *	21.06 *	15.33 *	10.09 *	5.59	3.69	1.14	0.14
<b>-17</b>	39.58 *	32.69 *	29.54 *	23.94 *	17.58 *	11.70 *	6.49	4.28	1.33	0.17
<b>-19.5</b>	42.03 *	34.36 *	30.90 *	25.07 *	18.65 *	12.55 *	6.99	4.65	1.45	0.19

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

<b>-22.5</b>	35.48 *	28.72 *	25.81 *	21.18 *	15.97 *	10.83	6.08	4.10	1.29	0.18
<b>-25.5</b>	33.17 *	26.77 *	24.20 *	20.16 *	15.41 *	10.53	5.97	4.06	1.30	0.20
<b>-29</b>	28.22 *	23.02 *	21.06 *	17.79 *	13.77	9.52	5.48	3.77	1.23	0.22
<b>-33</b>	22.24 *	18.40 *	17.11 *	14.66	11.44	8.00	4.71	3.27	1.10	0.24
<b>-37.5</b>	16.81 *	14.00 *	13.13	11.34	8.90	6.33	3.79	2.57	0.89	0.24
<b>-42.5</b>	11.05	9.27	8.71	7.50	5.97	4.37	2.59	1.69	0.63	0.22
<b>-47.5</b>	9.05	7.63	7.26	6.37	5.18	3.80	2.19	1.45	0.67	0.28
<b>-55</b>	4.39	3.79	3.68	3.30	2.72	1.96	1.14	0.90	0.62	0.28
<b>-65</b>	1.13	0.99	0.98	0.91	0.76	0.58	0.41	0.47	0.40	0.19
<b>-75</b>	0.25	0.23	0.25	0.26	0.26	0.25	0.21	0.26	0.22	0.11
<b>-85</b>	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.02
<b>-90</b>	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.02
<b>Total</b>	1146.48	962.75	889.47	735.92	542.54	360.37	201.63	134.49	43.82	7.57

<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>				
	0.00	0.00		0.65
<b>85</b>				
	0.03	0.00		4.14
<b>75</b>				
	0.05	0.00		16.83
<b>65</b>				
	0.07	0.00		64.25
<b>55</b>				
	0.07	0.00		133.13
<b>47.5</b>				
	0.05	0.00		162.37
<b>42.5</b>				
	0.06	0.00		247.69
<b>37.5</b>				
	0.06	0.00		336.04
<b>33</b>				
	0.05	0.00		431.42
<b>29</b>				
	0.05	0.00		495.27
<b>25.5</b>				
	0.04	0.00		510.19
<b>22.5</b>				
	0.04	0.00		584.66
<b>19.5</b>				
	0.04	0.00		537.62
<b>17</b>				
	0.03	0.00		456.87

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

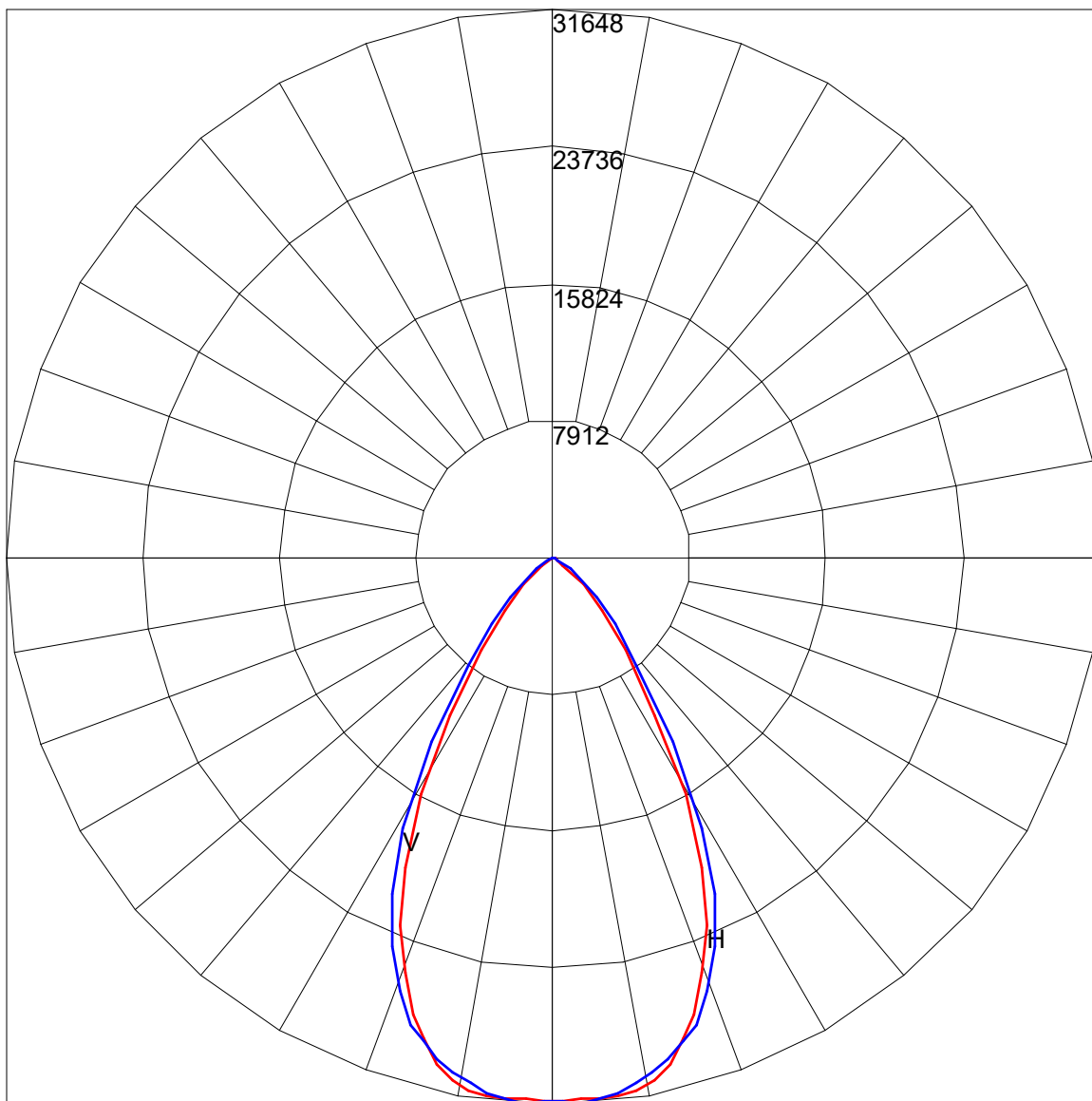
<b>15</b>			
	0.03	0.00	475.76
<b>13</b>			
	0.03	0.00	492.22
<b>11</b>			
	0.03	0.00	506.34
<b>9</b>			
	0.03	0.00	517.96
<b>7</b>			
	0.03	0.00	526.85
<b>5</b>			
	0.03	0.00	532.75
<b>3</b>			
	0.03	0.00	535.63
<b>1</b>			
	0.02	0.00	268.10
<b>0</b>			
	0.02	0.00	268.10
<b>-1</b>			
	0.03	0.00	535.63
<b>-3</b>			
	0.03	0.00	532.75
<b>-5</b>			
	0.03	0.00	526.85
<b>-7</b>			
	0.03	0.00	517.96
<b>-9</b>			
	0.03	0.00	506.34
<b>-11</b>			
	0.03	0.00	492.22
<b>-13</b>			
	0.03	0.00	475.76
<b>-15</b>			
	0.03	0.00	456.87
<b>-17</b>			
	0.04	0.00	537.62
<b>-19.5</b>			
	0.04	0.00	584.66
<b>-22.5</b>			
	0.04	0.00	510.19
<b>-25.5</b>			
	0.05	0.00	495.27
<b>-29</b>			
	0.05	0.00	431.42
<b>-33</b>			
	0.06	0.00	336.04
<b>-37.5</b>			
	0.06	0.00	247.69
<b>-42.5</b>			
	0.05	0.00	162.37
<b>-47.5</b>			
	0.07	0.00	133.13
<b>-55</b>			
	0.07	0.00	64.25
<b>-65</b>			
	0.05	0.00	16.83

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

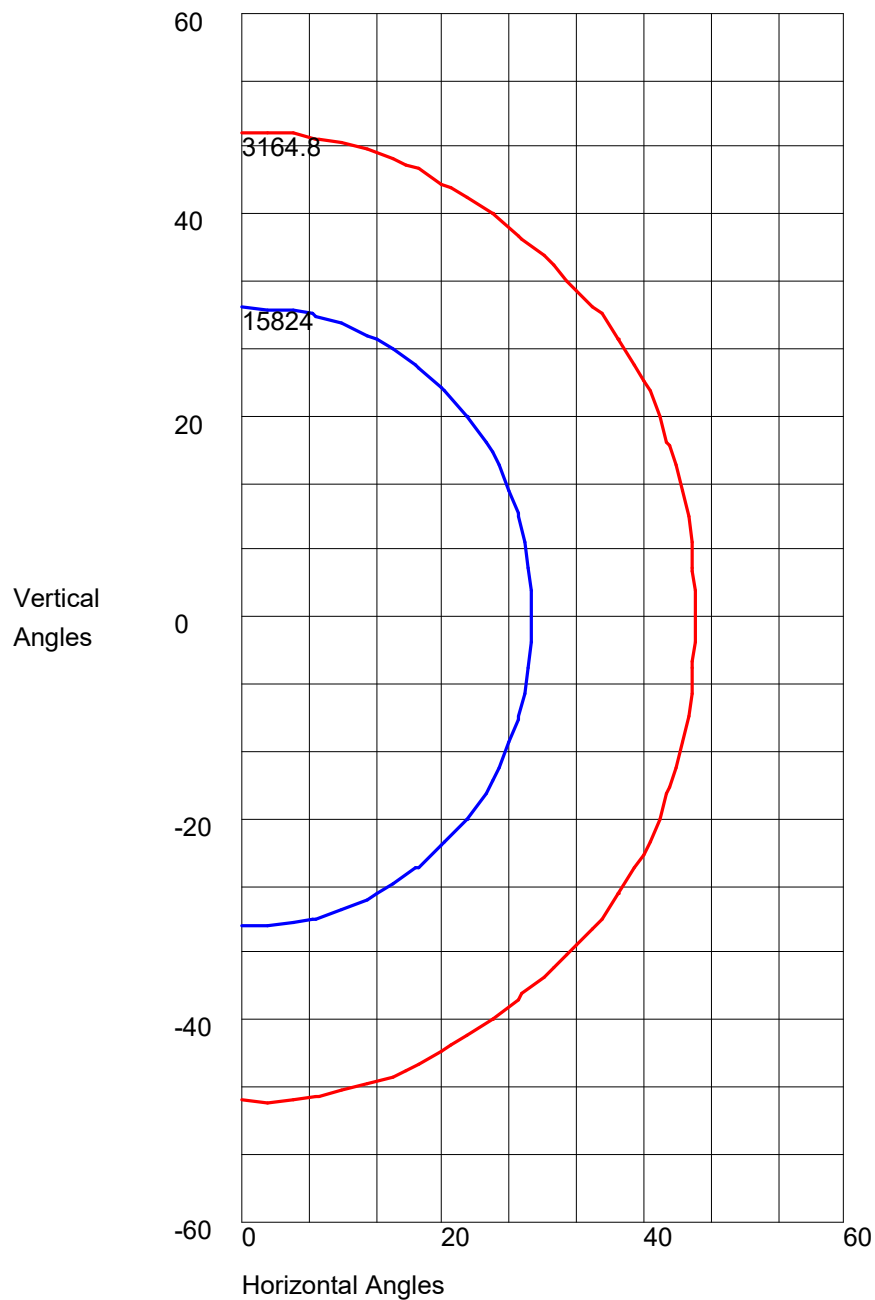
<b>-75</b>	0.03	0.00	4.14
<b>-85</b>	0.00	0.00	0.65
<b>-90</b>			
<b>Total</b>	1.76	0.05	15673.49

AXIAL CANDELA DISPLAY



Maximum Candela = 31648 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 31648 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 15824  
10% Maximum Candela = 3164.8