



## IES FLOOD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12613

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 04/01/21

[TEST DATE] 03/16/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-12L-PC-WF-40-80-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	9658
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	66.8
Vertical Beam Angle (50%)	63.5
Horizontal Field Angle (10%)	84.9
Vertical Field Angle (10%)	85.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	7808
Beam Efficiency	N.A.
Field Lumens	9607
Field Efficiency	N.A.
Spill Lumens	515
Luminaire Lumens	10122
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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

**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	16
75	11	75	28
65	59	65	125
55	170	55	261
47.5	340	47.5	450
42.5	939	42.5	931
37.5	2950	37.5	2818
33	5020	33	5350
29	6354	29	6889
25.5	7230	25.5	7766
22.5	7941	22.5	8293
19.5	8506	19.5	8676
17	8924	17	8922
15	9144	15	9084
13	9345	13	9213
11	9465	11	9319
9	9545	9	9405
7	9604	7	9470
5	9643	5	9516
3	9658	3	9529
1	9613	1	9561
0	9580	0	9580
-1	9613	-1	9571
-3	9658	-3	9556
-5	9643	-5	9547
-7	9604	-7	9521
-9	9545	-9	9476
-11	9465	-11	9409
-13	9345	-13	9322
-15	9144	-15	9221
-17	8924	-17	9090
-19.5	8506	-19.5	8883
-22.5	7941	-22.5	7455
-25.5	7230	-25.5	6551
-29	6354	-29	5098
-33	5020	-33	3814
-37.5	2950	-37.5	2446
-42.5	939	-42.5	1061
-47.5	340	-47.5	164
-55	170	-55	1
-65	59	-65	1
-75	11	-75	1
-85	3	-85	2
-90	0	-90	0

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

**CANDELA TABULATION**

Maximum Candela = 9658

Beam Edge = 4829 Cd (50% of Max.)

Field Edge = 965.8 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	1	3	7	9	10	11	12	13	14
<b>75.0</b>	0	2	6	9	12	14	18	20	21	24
<b>65.0</b>	0	2	7	12	30	46	56	68	77	86
<b>55.0</b>	0	3	8	24	61	91	112	136	156	174
<b>47.5</b>	0	3	9	35	90	133	165	202	232	264
<b>42.5</b>	0	3	11	42	108	160	198	243	292	341
<b>37.5</b>	0	4	12	49	123	182	229	292	376	500
<b>33.0</b>	0	4	12	54	134	200	261	359	531	894
<b>29.0</b>	0	4	13	58	142	218	296	468	868	1738 *
<b>25.5</b>	0	4	13	61	150	234	341	640	1479 *	2775 *
<b>22.5</b>	0	4	13	62	156	251	389	849	2129 *	3728 *
<b>19.5</b>	0	4	13	64	161	266	458	1212 *	2821 *	4568 *
<b>17.0</b>	0	3	13	65	165	280	512	1533 *	3394 *	5109 *
<b>15.0</b>	0	3	13	65	167	294	589	1763 *	3805 *	5472 *
<b>13.0</b>	0	3	13	65	169	306	672	2054 *	4153 *	5719 *
<b>11.0</b>	0	3	13	65	171	317	744	2309 *	4410 *	5931 *
<b>9.0</b>	0	3	13	64	172	326	806	2524 *	4619 *	6103 *
<b>7.0</b>	0	3	12	64	172	333	856	2697 *	4791 *	6232 *
<b>5.0</b>	0	3	12	63	172	338	895	2826 *	4915 *	6313 *
<b>3.0</b>	0	3	12	62	173	343	936	2910 *	4991 *	6357 *
<b>1.0</b>	0	3	11	60	171	341	938	2953 *	5022 *	6364 *
<b>0.0</b>	0	3	11	59	170	340	939	2950 *	5020 *	6354 *
<b>-1.0</b>	0	3	11	58	169	339	941	2959 *	5020 *	6354 *
<b>-3.0</b>	0	3	11	56	166	337	944	2929 *	4986 *	6332 *
<b>-5.0</b>	0	3	10	54	161	329	906	2859 *	4918 *	6288 *
<b>-7.0</b>	0	3	10	52	157	320	873	2746 *	4804 *	6211 *
<b>-9.0</b>	0	3	9	49	151	309	824	2592 *	4643 *	6089 *
<b>-11.0</b>	0	3	9	46	145	296	760	2396 *	4449 *	5920 *
<b>-13.0</b>	0	3	9	44	138	281	679	2154 *	4222 *	5714 *
<b>-15.0</b>	0	3	8	41	131	265	581	1854 *	3930 *	5474 *
<b>-17.0</b>	0	3	8	38	124	246	486	1610 *	3595 *	5072 *
<b>-19.5</b>	0	3	7	34	113	219	419	1278 *	2992 *	4462 *
<b>-22.5</b>	0	2	7	29	100	187	327	887	2189 *	3560 *
<b>-25.5</b>	0	2	6	24	87	154	256	607	1524 *	2633 *
<b>-29.0</b>	0	2	6	20	71	123	189	371	860	1718 *
<b>-33.0</b>	0	2	5	14	54	93	135	212	420	845
<b>-37.5</b>	0	2	5	10	37	69	94	134	208	360
<b>-42.5</b>	0	2	4	8	19	43	60	80	110	150
<b>-47.5</b>	0	2	3	6	9	19	28	36	47	57
<b>-55.0</b>	0	1	2	3	4	4	5	4	5	3
<b>-65.0</b>	0	1	1	1	1	1	1	1	0	1
<b>-75.0</b>	0	1	1	1	1	1	1	1	1	1
<b>-85.0</b>	0	0	1	2	2	2	3	2	2	3
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

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

**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	15	15	15	15	15	15	15	16	16	16
75.0	26	27	29	29	29	29	29	29	28	28
65.0	93	100	107	112	115	117	119	121	122	123
55.0	190	203	215	226	234	241	247	251	255	257
47.5	293	319	347	367	384	400	414	426	436	443
42.5	399	460	539	595	665	738	800	851	891	921
37.5	687	901	1238 *	1531 *	1742 *	2027 *	2274 *	2480 *	2644 *	2764 *
33.0	1479 *	2111 *	2813 *	3403 *	3843 *	4230 *	4541 *	4793 *	4995 *	5146 *
29.0	2771 *	3722 *	4606 *	5242 *	5682 *	6004 *	6273 *	6496 *	6655 *	6773 *
25.5	4079 *	5076 *	5904 *	6460 *	6802 *	7079 *	7317 *	7464 *	7580 *	7675 *
22.5	5046 *	5966 *	6696 *	7188 *	7495 *	7722 *	7916 *	8049 *	8148 *	8218 *
19.5	5796 *	6625 *	7301 *	7728 *	7993 *	8210 *	8380 *	8491 *	8571 *	8635 *
17.0	6263 *	7026 *	7636 *	8045 *	8296 *	8490 *	8650 *	8751 *	8829 *	8884 *
15.0	6535 *	7266 *	7856 *	8270 *	8483 *	8682 *	8818 *	8924 *	8994 *	9043 *
13.0	6754 *	7465 *	8053 *	8439 *	8664 *	8845 *	8975 *	9065 *	9136 *	9178 *
11.0	6944 *	7642 *	8195 *	8588 *	8804 *	8984 *	9102 *	9188 *	9252 *	9291 *
9.0	7073 *	7748 *	8310 *	8704 *	8923 *	9109 *	9223 *	9294 *	9346 *	9384 *
7.0	7166 *	7836 *	8404 *	8788 *	9014 *	9207 *	9320 *	9391 *	9428 *	9455 *
5.0	7227 *	7905 *	8460 *	8875 *	9098 *	9274 *	9396 *	9470 *	9516 *	9515 *
3.0	7251 *	7950 *	8508 *	8929 *	9147 *	9332 *	9456 *	9529 *	9580 *	9598 *
1.0	7245 *	7961 *	8518 *	8939 *	9162 *	9358 *	9482 *	9562 *	9620 *	9656 *
0.0	7230 *	7941 *	8506 *	8924 *	9144 *	9345 *	9465 *	9545 *	9604 *	9643 *
-1.0	7242 *	7947 *	8512 *	8932 *	9160 *	9359 *	9485 *	9564 *	9620 *	9655 *
-3.0	7235 *	7917 *	8488 *	8910 *	9134 *	9330 *	9459 *	9534 *	9588 *	9600 *
-5.0	7182 *	7855 *	8424 *	8849 *	9086 *	9280 *	9420 *	9491 *	9529 *	9539 *
-7.0	7101 *	7765 *	8349 *	8767 *	9028 *	9227 *	9357 *	9429 *	9470 *	9488 *
-9.0	7005 *	7662 *	8252 *	8667 *	8949 *	9147 *	9284 *	9359 *	9403 *	9423 *
-11.0	6876 *	7527 *	8145 *	8566 *	8829 *	9052 *	9199 *	9276 *	9324 *	9345 *
-13.0	6691 *	7380 *	7991 *	8422 *	8713 *	8942 *	9096 *	9180 *	9228 *	9261 *
-15.0	6492 *	7199 *	7816 *	8273 *	8552 *	8804 *	8972 *	9064 *	9111 *	9157 *
-17.0	6219 *	6961 *	7563 *	8067 *	8387 *	8632 *	8837 *	8920 *	8978 *	9025 *
-19.5	5645 *	6365 *	6980 *	7530 *	7838 *	8183 *	8407 *	8498 *	8577 *	8777 *
-22.5	4638 *	5357 *	5991 *	6506 *	6842 *	7066 *	7262 *	7451 *	7462 *	7383 *
-25.5	3626 *	4317 *	4965 *	5386 *	5728 *	5966 *	6086 *	6265 *	6450 *	6577 *
-29.0	2491 *	3125 *	3684 *	4111 *	4355 *	4613 *	4863 *	4978 *	4997 *	5040 *
-33.0	1402 *	1873 *	2318 *	2667 *	2905 *	3092 *	3252 *	3423 *	3598 *	3735 *
-37.5	602	876	1205 *	1476 *	1676 *	1866 *	2036 *	2183 *	2279 *	2351 *
-42.5	217	290	411	513	605	709	810	894	959	1008 *
-47.5	67	81	91	105	123	135	143	152	157	160
-55.0	4	4	3	3	3	2	2	2	1	1
-65.0	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	3	3	3	3	3	3	3	3	3	3
-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	16	16	16	16	16	16	16	16	15	15
75.0	28	28	28	28	28	28	28	29	29	29
65.0	124	125	125	125	124	123	122	121	119	117

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

**CANDELA TABULATION - (Cont.)**

55.0	260	261	261	261	260	257	255	251	247	241
47.5	450	450	450	450	450	443	436	426	414	400
42.5	951	938	931	938	951	921	891	851	800	738
37.5	2841 *	2842 *	2818 *	2842 *	2841 *	2764 *	2644 *	2480 *	2274 *	2027 *
33.0	5244 *	5326 *	5350 *	5326 *	5244 *	5146 *	4995 *	4793 *	4541 *	4230 *
29.0	6856 *	6889 *	6889 *	6889 *	6856 *	6773 *	6655 *	6496 *	6273 *	6004 *
25.5	7738 *	7765 *	7766 *	7765 *	7738 *	7675 *	7580 *	7464 *	7317 *	7079 *
22.5	8268 *	8295 *	8293 *	8295 *	8268 *	8218 *	8148 *	8049 *	7916 *	7722 *
19.5	8663 *	8674 *	8676 *	8674 *	8663 *	8635 *	8571 *	8491 *	8380 *	8210 *
17.0	8912 *	8921 *	8922 *	8921 *	8912 *	8884 *	8829 *	8751 *	8650 *	8490 *
15.0	9072 *	9084 *	9084 *	9084 *	9072 *	9043 *	8994 *	8924 *	8818 *	8682 *
13.0	9205 *	9215 *	9213 *	9215 *	9205 *	9178 *	9136 *	9065 *	8975 *	8845 *
11.0	9314 *	9323 *	9319 *	9323 *	9314 *	9291 *	9252 *	9188 *	9102 *	8984 *
9.0	9403 *	9408 *	9405 *	9408 *	9403 *	9384 *	9346 *	9294 *	9223 *	9109 *
7.0	9470 *	9473 *	9470 *	9473 *	9470 *	9455 *	9428 *	9391 *	9320 *	9207 *
5.0	9518 *	9517 *	9516 *	9517 *	9518 *	9515 *	9516 *	9470 *	9396 *	9274 *
3.0	9561 *	9535 *	9529 *	9535 *	9561 *	9598 *	9580 *	9529 *	9456 *	9332 *
1.0	9656 *	9575 *	9561 *	9575 *	9656 *	9656 *	9620 *	9562 *	9482 *	9358 *
0.0	9658 *	9613 *	9580 *	9613 *	9658 *	9643 *	9604 *	9545 *	9465 *	9345 *
-1.0	9657 *	9582 *	9571 *	9582 *	9657 *	9655 *	9620 *	9564 *	9485 *	9359 *
-3.0	9573 *	9529 *	9556 *	9529 *	9573 *	9600 *	9588 *	9534 *	9459 *	9330 *
-5.0	9526 *	9522 *	9547 *	9522 *	9526 *	9539 *	9529 *	9491 *	9420 *	9280 *
-7.0	9482 *	9492 *	9521 *	9492 *	9482 *	9488 *	9470 *	9429 *	9357 *	9227 *
-9.0	9436 *	9446 *	9476 *	9446 *	9436 *	9423 *	9403 *	9359 *	9284 *	9147 *
-11.0	9372 *	9381 *	9409 *	9381 *	9372 *	9345 *	9324 *	9276 *	9199 *	9052 *
-13.0	9290 *	9300 *	9322 *	9300 *	9290 *	9261 *	9228 *	9180 *	9096 *	8942 *
-15.0	9187 *	9204 *	9221 *	9204 *	9187 *	9157 *	9111 *	9064 *	8972 *	8804 *
-17.0	9054 *	9073 *	9090 *	9073 *	9054 *	9025 *	8978 *	8920 *	8837 *	8632 *
-19.5	8852 *	8871 *	8883 *	8871 *	8852 *	8777 *	8577 *	8498 *	8407 *	8183 *
-22.5	7413 *	7452 *	7455 *	7452 *	7413 *	7383 *	7462 *	7451 *	7262 *	7066 *
-25.5	6595 *	6570 *	6551 *	6570 *	6595 *	6577 *	6450 *	6265 *	6086 *	5966 *
-29.0	5060 *	5093 *	5098 *	5093 *	5060 *	5040 *	4997 *	4978 *	4863 *	4613 *
-33.0	3818 *	3828 *	3814 *	3828 *	3818 *	3735 *	3598 *	3423 *	3252 *	3092 *
-37.5	2400 *	2440 *	2446 *	2440 *	2400 *	2351 *	2279 *	2183 *	2036 *	1866 *
-42.5	1063 *	1062 *	1061 *	1062 *	1063 *	1008 *	959	894	810	709
-47.5	165	164	164	164	165	160	157	152	143	135
-55.0	1	1	1	1	1	1	1	2	2	2
-65.0	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	3	2	2	2	3	3	3	3	3	3
-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	15	15	15	15	15	14	13	12	11	10
75.0	29	29	29	27	26	24	21	20	18	14
65.0	115	112	107	100	93	86	77	68	56	46
55.0	234	226	215	203	190	174	156	136	112	91
47.5	384	367	347	319	293	264	232	202	165	133
42.5	665	595	539	460	399	341	292	243	198	160
37.5	1742 *	1531 *	1238 *	901	687	500	376	292	229	182
33.0	3843 *	3403 *	2813 *	2111 *	1479 *	894	531	359	261	200
29.0	5682 *	5242 *	4606 *	3722 *	2771 *	1738 *	868	468	296	218
25.5	6802 *	6460 *	5904 *	5076 *	4079 *	2775 *	1479 *	640	341	234

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

**CANDELA TABULATION - (Cont.)**

22.5	7495 *	7188 *	6696 *	5966 *	5046 *	3728 *	2129 *	849	389	251
19.5	7993 *	7728 *	7301 *	6625 *	5796 *	4568 *	2821 *	1212 *	458	266
17.0	8296 *	8045 *	7636 *	7026 *	6263 *	5109 *	3394 *	1533 *	512	280
15.0	8483 *	8270 *	7856 *	7266 *	6535 *	5472 *	3805 *	1763 *	589	294
13.0	8664 *	8439 *	8053 *	7465 *	6754 *	5719 *	4153 *	2054 *	672	306
11.0	8804 *	8588 *	8195 *	7642 *	6944 *	5931 *	4410 *	2309 *	744	317
9.0	8923 *	8704 *	8310 *	7748 *	7073 *	6103 *	4619 *	2524 *	806	326
7.0	9014 *	8788 *	8404 *	7836 *	7166 *	6232 *	4791 *	2697 *	856	333
5.0	9098 *	8875 *	8460 *	7905 *	7227 *	6313 *	4915 *	2826 *	895	338
3.0	9147 *	8929 *	8508 *	7950 *	7251 *	6357 *	4991 *	2910 *	936	343
1.0	9162 *	8939 *	8518 *	7961 *	7245 *	6364 *	5022 *	2953 *	938	341
0.0	9144 *	8924 *	8506 *	7941 *	7230 *	6354 *	5020 *	2950 *	939	340
-1.0	9160 *	8932 *	8512 *	7947 *	7242 *	6354 *	5020 *	2959 *	941	339
-3.0	9134 *	8910 *	8488 *	7917 *	7235 *	6332 *	4986 *	2929 *	944	337
-5.0	9086 *	8849 *	8424 *	7855 *	7182 *	6288 *	4918 *	2859 *	906	329
-7.0	9028 *	8767 *	8349 *	7765 *	7101 *	6211 *	4804 *	2746 *	873	320
-9.0	8949 *	8667 *	8252 *	7662 *	7005 *	6089 *	4643 *	2592 *	824	309
-11.0	8829 *	8566 *	8145 *	7527 *	6876 *	5920 *	4449 *	2396 *	760	296
-13.0	8713 *	8422 *	7991 *	7380 *	6691 *	5714 *	4222 *	2154 *	679	281
-15.0	8552 *	8273 *	7816 *	7199 *	6492 *	5474 *	3930 *	1854 *	581	265
-17.0	8387 *	8067 *	7563 *	6961 *	6219 *	5072 *	3595 *	1610 *	486	246
-19.5	7838 *	7530 *	6980 *	6365 *	5645 *	4462 *	2992 *	1278 *	419	219
-22.5	6842 *	6506 *	5991 *	5357 *	4638 *	3560 *	2189 *	887	327	187
-25.5	5728 *	5386 *	4965 *	4317 *	3626 *	2633 *	1524 *	607	256	154
-29.0	4355 *	4111 *	3684 *	3125 *	2491 *	1718 *	860	371	189	123
-33.0	2905 *	2667 *	2318 *	1873 *	1402 *	845	420	212	135	93
-37.5	1676 *	1476 *	1205 *	876	602	360	208	134	94	69
-42.5	605	513	411	290	217	150	110	80	60	43
-47.5	123	105	91	81	67	57	47	36	28	19
-55.0	3	3	3	4	4	3	5	4	5	4
-65.0	1	1	1	1	1	1	0	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	3	3	3	3	3	3	2	2	3	2
-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	9	7	3	1	0
75.0	12	9	6	2	0
65.0	30	12	7	2	0
55.0	61	24	8	3	0
47.5	90	35	9	3	0
42.5	108	42	11	3	0
37.5	123	49	12	4	0
33.0	134	54	12	4	0
29.0	142	58	13	4	0
25.5	150	61	13	4	0
22.5	156	62	13	4	0
19.5	161	64	13	4	0
17.0	165	65	13	3	0
15.0	167	65	13	3	0
13.0	169	65	13	3	0
11.0	171	65	13	3	0
9.0	172	64	13	3	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	172	64	12	3	0
<b>5.0</b>	172	63	12	3	0
<b>3.0</b>	173	62	12	3	0
<b>1.0</b>	171	60	11	3	0
<b>0.0</b>	170	59	11	3	0
<b>-1.0</b>	169	58	11	3	0
<b>-3.0</b>	166	56	11	3	0
<b>-5.0</b>	161	54	10	3	0
<b>-7.0</b>	157	52	10	3	0
<b>-9.0</b>	151	49	9	3	0
<b>-11.0</b>	145	46	9	3	0
<b>-13.0</b>	138	44	9	3	0
<b>-15.0</b>	131	41	8	3	0
<b>-17.0</b>	124	38	8	3	0
<b>-19.5</b>	113	34	7	3	0
<b>-22.5</b>	100	29	7	2	0
<b>-25.5</b>	87	24	6	2	0
<b>-29.0</b>	71	20	6	2	0
<b>-33.0</b>	54	14	5	2	0
<b>-37.5</b>	37	10	5	2	0
<b>-42.5</b>	19	8	4	2	0
<b>-47.5</b>	9	6	3	2	0
<b>-55.0</b>	4	3	2	1	0
<b>-65.0</b>	1	1	1	1	0
<b>-75.0</b>	1	1	1	1	0
<b>-85.0</b>	2	2	1	0	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5060.97

Total Field Lumens (one side of beam only) = 4803.45

\* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
75	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.16
65	0.23	0.46	0.46	0.46	0.45	0.45	0.44	0.43	0.42	0.50
55	0.59	1.17	1.16	1.15	1.13	1.11	1.08	1.04	1.01	1.19
47.5	0.81	1.62	1.61	1.58	1.55	1.51	1.45	1.40	1.33	1.57
42.5	1.05	2.12	2.10	2.04	1.96	1.87	1.75	1.62	1.47	1.67
37.5	2.87 *	5.76 *	5.68 *	5.47 *	5.18 *	4.80 *	4.35 *	3.82 *	3.32 *	3.53 *
33	5.60 *	11.13 *	10.94 *	10.60 *	10.12 *	9.51 *	8.76 *	7.87 *	6.93 *	7.31 *
29	7.45 *	14.80 *	14.60 *	14.28 *	13.84 *	13.26 *	12.54 *	11.68 *	10.64 *	11.62 *
25.5	7.81 *	15.58 *	15.44 *	15.21 *	14.88 *	14.46 *	13.91 *	13.22 *	12.39 *	14.06 *
22.5	7.34 *	14.64 *	14.54 *	14.37 *	14.14 *	13.83 *	13.42 *	12.90 *	12.27 *	14.24 *
19.5	7.75 *	15.48 *	15.40 *	15.26 *	15.05 *	14.77 *	14.40 *	13.93 *	13.35 *	15.68 *
17	6.70 *	13.38 *	13.33 *	13.22 *	13.06 *	12.85 *	12.56 *	12.19 *	11.73 *	13.88 *
15	5.48 *	10.96 *	10.91 *	10.83 *	10.71 *	10.54 *	10.32 *	10.03 *	9.69 *	11.50 *
13	5.57 *	11.13 *	11.09 *	11.01 *	10.89 *	10.73 *	10.52 *	10.25 *	9.91 *	11.79 *
11	5.65 *	11.28 *	11.24 *	11.17 *	11.05 *	10.90 *	10.70 *	10.43 *	10.10 *	12.03 *
9	5.70 *	11.40 *	11.36 *	11.29 *	11.18 *	11.04 *	10.85 *	10.59 *	10.25 *	12.22 *
7	5.75 *	11.49 *	11.46 *	11.39 *	11.30 *	11.17 *	10.98 *	10.71 *	10.37 *	12.37 *
5	5.78 *	11.56 *	11.53 *	11.49 *	11.40 *	11.27 *	11.08 *	10.82 *	10.47 *	12.48 *
3	5.80 *	11.61 *	11.61 *	11.57 *	11.49 *	11.35 *	11.16 *	10.89 *	10.56 *	12.57 *
1	5.82 *	11.67 *	11.69 *	11.65 *	11.55 *	11.41 *	11.21 *	10.94 *	10.59 *	12.62 *
0	2.92 *	5.86 *	5.87 *	5.83 *	5.78 *	5.71 *	5.61 *	5.47 *	5.30 *	6.31 *
-1	2.92 *	5.86 *	5.87 *	5.83 *	5.78 *	5.71 *	5.61 *	5.47 *	5.29 *	6.31 *
	5.82 *	11.67 *	11.69 *	11.65 *	11.55 *	11.41 *	11.21 *	10.93 *	10.58 *	12.60 *

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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	5.81 *	11.61 *	11.62 *	11.59 *	11.51 *	11.37 *	11.17 *	10.89 *	10.53 *	12.54 *
<b>-5</b>	5.80 *	11.57 *	11.56 *	11.52 *	11.44 *	11.31 *	11.11 *	10.82 *	10.46 *	12.43 *
<b>-7</b>	5.78 *	11.52 *	11.49 *	11.45 *	11.36 *	11.23 *	11.03 *	10.74 *	10.37 *	12.31 *
<b>-9</b>	5.74 *	11.46 *	11.42 *	11.36 *	11.27 *	11.13 *	10.93 *	10.63 *	10.25 *	12.16 *
<b>-11</b>	5.70 *	11.37 *	11.32 *	11.26 *	11.16 *	11.02 *	10.81 *	10.50 *	10.11 *	11.98 *
<b>-13</b>	5.64 *	11.26 *	11.21 *	11.13 *	11.03 *	10.89 *	10.67 *	10.35 *	9.94 *	11.75 *
<b>-15</b>	5.57 *	11.12 *	11.07 *	10.99 *	10.88 *	10.74 *	10.50 *	10.16 *	9.74 *	11.47 *
<b>-17</b>	6.84 *	13.64 *	13.56 *	13.39 *	13.19 *	13.00 *	12.68 *	12.21 *	11.65 *	13.62 *
<b>-19.5</b>	7.46 *	14.88 *	14.78 *	14.63 *	14.47 *	14.23 *	13.82 *	13.27 *	12.61 *	14.65 *
<b>-22.5</b>	6.40 *	12.80 *	12.75 *	12.67 *	12.50 *	12.18 *	11.79 *	11.35 *	10.74 *	12.39 *
<b>-25.5</b>	6.21 *	12.42 *	12.38 *	12.23 *	11.98 *	11.65 *	11.22 *	10.69 *	10.03 *	11.48 *
<b>-29</b>	5.43 *	10.84 *	10.73 *	10.52 *	10.25 *	9.91 *	9.43 *	8.85 *	8.22 *	9.24 *
<b>-33</b>	4.29 *	8.55 *	8.41 *	8.15 *	7.79 *	7.35 *	6.87 *	6.34 *	5.75 *	6.24 *
<b>-37.5</b>	2.67 *	5.30 *	5.18 *	5.00 *	4.76 *	4.44 *	4.04 *	3.59 *	3.13 *	3.26
<b>-42.5</b>	0.93	1.87	1.82	1.73	1.63	1.50	1.34	1.16	0.99	1.01
<b>-47.5</b>	0.19	0.38	0.37	0.36	0.35	0.34	0.32	0.29	0.26	0.27
<b>-55</b>	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>-65</b>	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>-75</b>	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
<b>Total</b>	185.99	371.43	369.43	365.50	359.83	352.14	341.84	328.65	312.96	365.08

**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>	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.01
<b>85</b>	0.18	0.17	0.19	0.19	0.18	0.18	0.14	0.16	0.14	0.07
<b>75</b>	0.56	0.51	0.54	0.54	0.52	0.47	0.36	0.36	0.24	0.09
<b>65</b>	1.33	1.22	1.29	1.29	1.22	1.08	0.82	0.81	0.48	0.13
<b>55</b>	1.73	1.57	1.64	1.62	1.52	1.34	1.01	1.00	0.60	0.15

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

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	1.78	1.53	1.54	1.47	1.36	1.18	0.88	0.88	0.52	0.13
<b>42.5</b>	3.35	2.55	2.28	1.97	1.68	1.40	1.03	1.02	0.61	0.15
<b>37.5</b>	6.78 *	4.86 *	3.80	2.70	1.96	1.50	1.06	1.03	0.62	0.15
<b>33</b>	11.30 *	8.42 *	6.52 *	4.21 *	2.49	1.61	1.05	0.99	0.59	0.14
<b>29</b>	14.41 *	11.43 *	9.42 *	6.27 *	3.38	1.78	1.03	0.93	0.55	0.13
<b>25.5</b>	15.13 *	12.63 *	11.11 *	7.92 *	4.28 *	1.94	0.98	0.85	0.49	0.12
<b>22.5</b>	17.01 *	14.67 *	13.60 *	10.37 *	5.88 *	2.54	1.10	0.89	0.51	0.12
<b>19.5</b>	15.24 *	13.41 *	12.87 *	10.37 *	6.27 *	2.71	1.02	0.78	0.43	0.10
<b>17</b>	12.70 *	11.31 *	11.08 *	9.28 *	5.87 *	2.56 *	0.90	0.65	0.35	0.08
<b>15</b>	13.07 *	11.69 *	11.60 *	10.00 *	6.59 *	2.96 *	1.00	0.67	0.35	0.08
<b>13</b>	13.37 *	12.02 *	12.01 *	10.55 *	7.23 *	3.37 *	1.10	0.69	0.36	0.08
<b>11</b>	13.60 *	12.27 *	12.34 *	11.00 *	7.76 *	3.72 *	1.18	0.70	0.36	0.08
<b>9</b>	13.78 *	12.45 *	12.59 *	11.35 *	8.19 *	4.01 *	1.25	0.72	0.36	0.08
<b>7</b>	13.91 *	12.58 *	12.76 *	11.62 *	8.52 *	4.24 *	1.30	0.73	0.36	0.08
<b>5</b>	14.00 *	12.66 *	12.86 *	11.79 *	8.75 *	4.41 *	1.35	0.73	0.36	0.08
<b>3</b>	14.05 *	12.69 *	12.90 *	11.87 *	8.88 *	4.51 *	1.38	0.73	0.35	0.08
<b>1</b>	7.02 *	6.34 *	6.44 *	5.94 *	4.46 *	2.27 *	0.69	0.37	0.17	0.04
<b>0</b>	7.02 *	6.34 *	6.44 *	5.94 *	4.46 *	2.27 *	0.69	0.36	0.17	0.04
<b>-1</b>	14.02 *	12.66 *	12.87 *	11.85 *	8.89 *	4.53 *	1.38	0.72	0.34	0.07
<b>-3</b>	13.94 *	12.60 *	12.81 *	11.76 *	8.78 *	4.45 *	1.35	0.71	0.33	0.07
<b>-5</b>	13.82 *	12.48 *	12.69 *	11.60 *	8.58 *	4.31 *	1.31	0.69	0.32	0.07
<b>-7</b>	13.66 *	12.33 *	12.51 *	11.35 *	8.27 *	4.10 *	1.25	0.67	0.31	0.06
<b>-9</b>	13.47 *	12.13 *	12.27 *	11.02 *	7.88 *	3.83 *	1.18	0.64	0.30	0.06
<b>-11</b>	13.24 *	11.88 *	11.94 *	10.60 *	7.40 *	3.49 *	1.09	0.61	0.28	0.06
<b>-13</b>	12.96 *	11.59 *	11.55 *	10.10 *	6.80 *	3.07 *	0.97	0.58	0.27	0.05
<b>-15</b>	12.60 *	11.22 *	11.02 *	9.44 *	6.15 *	2.64 *	0.85	0.55	0.25	0.05
<b>-17</b>	14.86 *	13.14 *	12.67 *	10.52 *	6.63 *	2.77	0.92	0.63	0.29	0.06
<b>-19.5</b>	15.80 *	13.78 *	13.01 *	10.34 *	6.17 *	2.55	0.93	0.66	0.31	0.06

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

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	13.20 *	11.23 *	10.28 *	7.76 *	4.37 *	1.82	0.75	0.57	0.27	0.05
<b>-25.5</b>	12.01 *	9.90 *	8.68 *	6.15 *	3.29	1.45	0.68	0.54	0.27	0.05
<b>-29</b>	9.38 *	7.42 *	6.12 *	4.01	2.08	1.06	0.58	0.49	0.24	0.05
<b>-33</b>	6.02 *	4.46 *	3.42	2.15	1.23	0.75	0.47	0.41	0.20	0.04
<b>-37.5</b>	2.97	2.07	1.57	1.08	0.74	0.54	0.36	0.30	0.14	0.04
<b>-42.5</b>	0.93	0.68	0.58	0.48	0.38	0.30	0.20	0.16	0.08	0.03
<b>-47.5</b>	0.29	0.24	0.23	0.22	0.19	0.16	0.11	0.10	0.06	0.03
<b>-55</b>	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.02
<b>-65</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
<b>-75</b>	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
<b>-85</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
<b>-90</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
<b>Total</b>	394.57	343.25	330.15	278.78	189.41	94.01	35.81	25.21	13.37	3.11

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.00	0.00		0.54
<b>85</b>				
	0.02	0.00		2.90
<b>75</b>				
	0.02	0.00		8.53
<b>65</b>				
	0.03	0.00		20.34
<b>55</b>				
	0.02	0.00		26.64
<b>47.5</b>				
	0.02	0.00		28.94
<b>42.5</b>				
	0.02	0.00		60.85
<b>37.5</b>				
	0.02	0.00		113.24
<b>33</b>				
	0.02	0.00		162.06
<b>29</b>				
	0.02	0.00		186.31
<b>25.5</b>				
	0.01	0.00		187.14
<b>22.5</b>				
	0.01	0.00		207.80
<b>19.5</b>				
	0.01	0.00		186.13
<b>17</b>				
	0.01	0.00		155.78

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

**LUMENS TABULATION - (Cont.)**

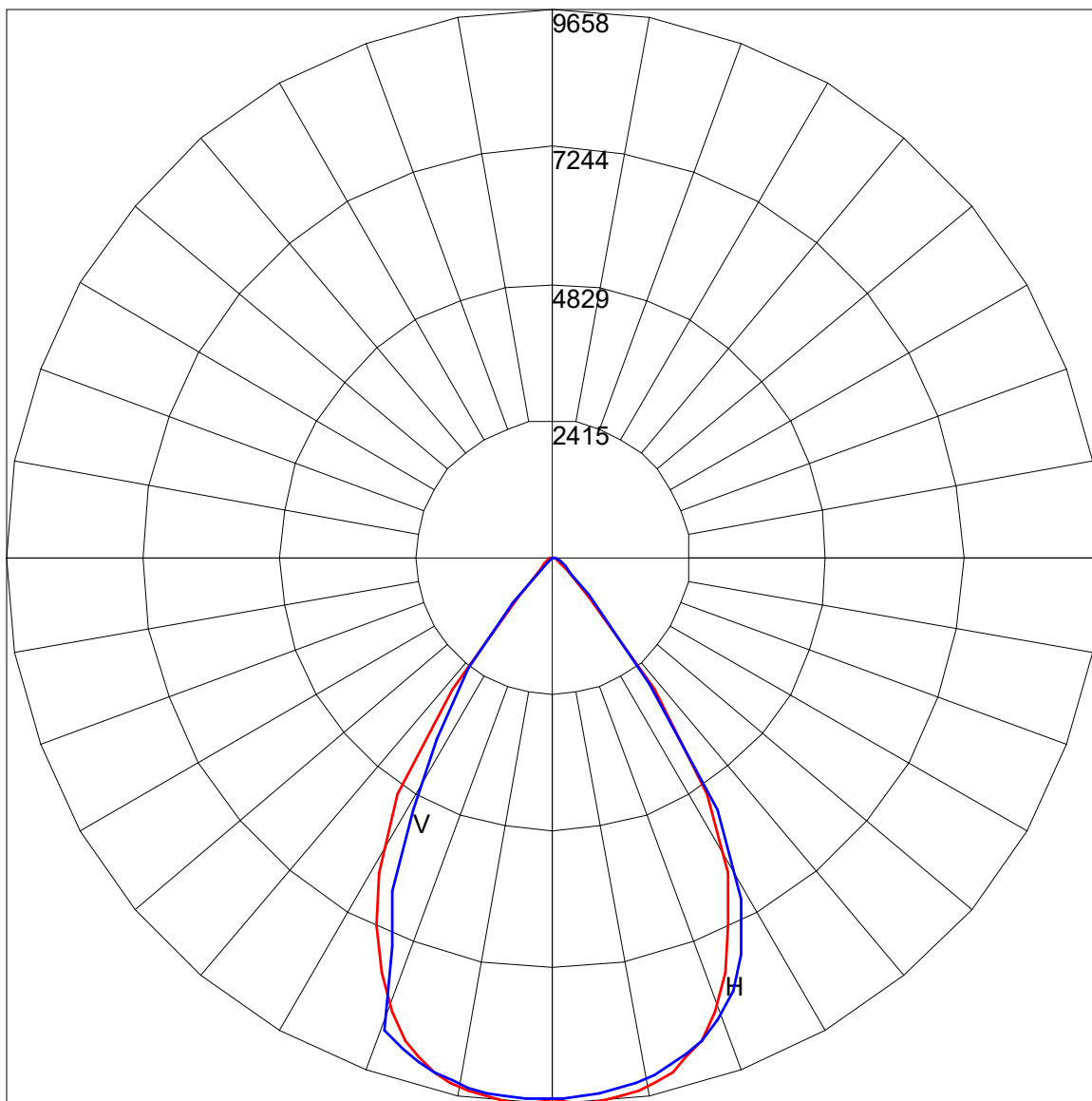
<b>15</b>	0.01	0.00	160.94
<b>13</b>	0.01	0.00	165.34
<b>11</b>	0.01	0.00	168.93
<b>9</b>	0.01	0.00	171.78
<b>7</b>	0.01	0.00	174.00
<b>5</b>	0.01	0.00	175.62
<b>3</b>	0.01	0.00	176.59
<b>1</b>	0.00	0.00	88.39
<b>0</b>	0.00	0.00	88.38
<b>-1</b>	0.01	0.00	176.48
<b>-3</b>	0.01	0.00	175.45
<b>-5</b>	0.01	0.00	173.89
<b>-7</b>	0.01	0.00	171.81
<b>-9</b>	0.01	0.00	169.14
<b>-11</b>	0.01	0.00	165.84
<b>-13</b>	0.01	0.00	161.84
<b>-15</b>	0.01	0.00	157.00
<b>-17</b>	0.01	0.00	186.27
<b>-19.5</b>	0.01	0.00	198.41
<b>-22.5</b>	0.01	0.00	165.86
<b>-25.5</b>	0.01	0.00	153.34
<b>-29</b>	0.01	0.00	124.86
<b>-33</b>	0.01	0.00	88.92
<b>-37.5</b>	0.01	0.00	51.18
<b>-42.5</b>	0.01	0.00	17.81
<b>-47.5</b>	0.01	0.00	4.77
<b>-55</b>	0.01	0.00	0.35
<b>-65</b>	0.01	0.00	0.17

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

**LUMENS TABULATION - (Cont.)**

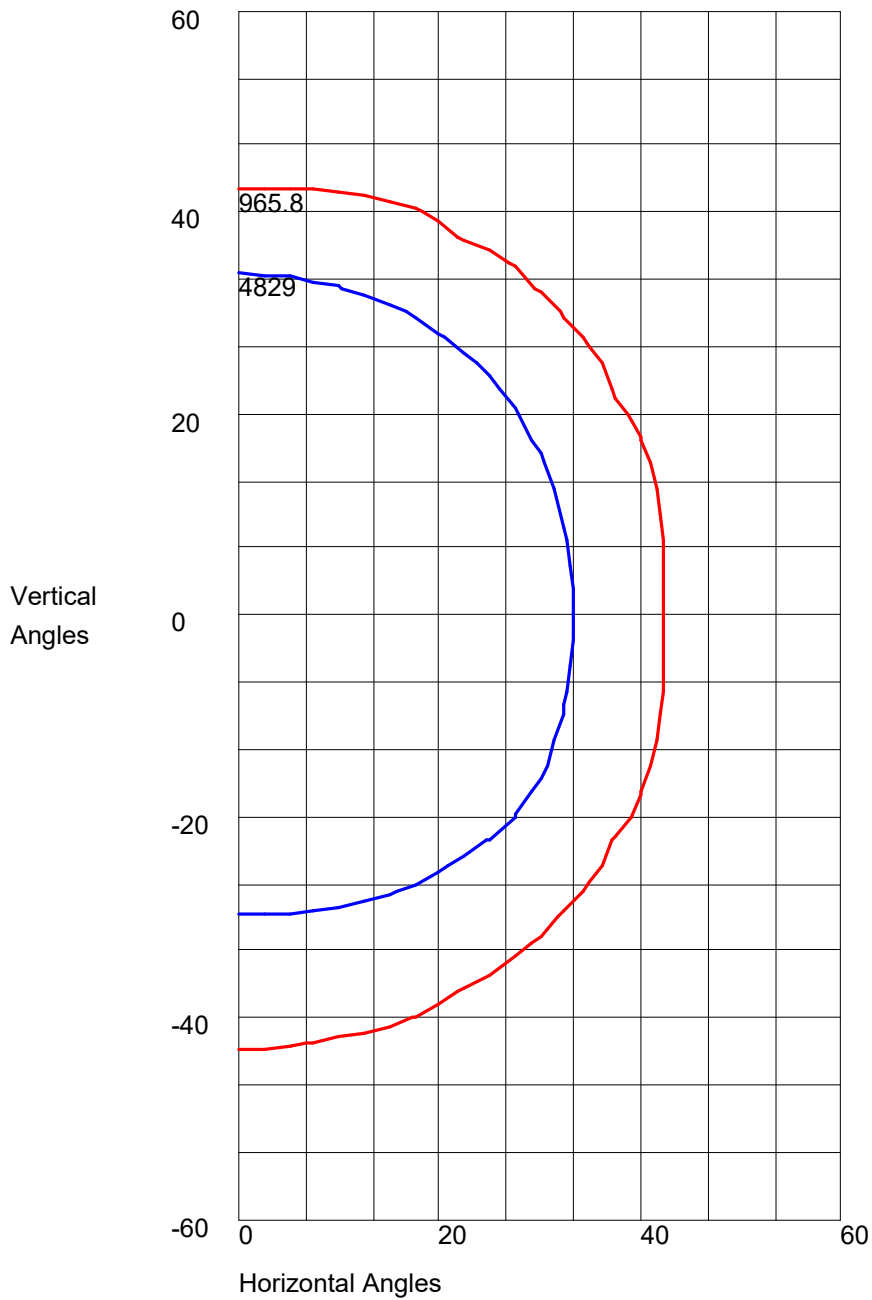
<b>-75</b>	0.00	0.00	0.30
<b>-85</b>	0.00	0.00	0.11
<b>-90</b>			
<b>Total</b>	0.43	0.01	5060.98

AXIAL CANDELA DISPLAY



Maximum Candela = 9658 Located At Horizontal Angle = -3, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9658 Located At Horizontal Angle = -3, Vertical Angle = 0  
50% Maximum Candela = 4829  
10% Maximum Candela = 965.8