



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-50-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12614

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-12L-PC-WF-50-80-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	11903
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	64.7
Vertical Beam Angle (50%)	62.1
Horizontal Field Angle (10%)	83.8
Vertical Field Angle (10%)	83.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9191
Beam Efficiency	N.A.
Field Lumens	11343
Field Efficiency	N.A.
Spill Lumens	498
Luminaire Lumens	11841
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	4	85	6
75	13	75	12
65	26	65	23
55	176	55	66
47.5	347	47.5	356
42.5	909	42.5	985
37.5	3238	37.5	2647
33	5691	33	4932
29	7280	29	6958
25.5	8501	25.5	8587
22.5	9263	22.5	9792
19.5	10104	19.5	10819
17	10621	17	11088
15	11051	15	11264
13	11483	13	11402
11	11680	11	11516
9	11780	9	11605
7	11851	7	11672
5	11893	5	11714
3	11903	3	11728
1	11831	1	11761
0	11781	0	11781
-1	11831	-1	11761
-3	11903	-3	11728
-5	11893	-5	11714
-7	11851	-7	11672
-9	11780	-9	11605
-11	11680	-11	11516
-13	11483	-13	11402
-15	11051	-15	11264
-17	10621	-17	11088
-19.5	10104	-19.5	10819
-22.5	9263	-22.5	9792
-25.5	8501	-25.5	8587
-29	7280	-29	6958
-33	5691	-33	4932
-37.5	3238	-37.5	2647
-42.5	909	-42.5	985
-47.5	347	-47.5	356
-55	176	-55	66
-65	26	-65	23
-75	13	-75	12
-85	4	-85	6
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 11903

Beam Edge = 5951.5 Cd (50% of Max.)

Field Edge = 1190.3 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	0	1	3	4	4	4	5	5	5
75.0	0	1	3	5	6	7	8	8	9	10
65.0	0	2	5	7	9	11	12	13	15	16
55.0	0	2	6	11	13	20	25	32	38	41
47.5	0	3	8	13	21	50	70	94	113	139
42.5	0	3	9	15	33	76	102	134	170	215
37.5	0	3	10	17	51	106	139	190	262	401
33.0	0	3	11	18	71	139	189	285	474	882
29.0	0	3	11	19	91	173	247	435	912	1895 *
25.5	0	4	12	19	109	204	316	661	1636 *	3013 *
22.5	0	4	12	21	124	233	381	926	2380 *	4191 *
19.5	0	4	12	23	136	259	465	1337 *	3190 *	5172 *
17.0	0	4	12	25	146	281	526	1672 *	3837 *	5794 *
15.0	0	4	13	25	153	297	608	1900 *	4271 *	6219 *
13.0	0	4	13	26	159	310	690	2206 *	4653 *	6528 *
11.0	0	4	13	26	164	321	756	2482 *	4945 *	6807 *
9.0	0	4	13	27	168	330	810	2728 *	5174 *	7052 *
7.0	0	4	13	27	171	337	850	2926 *	5368 *	7177 *
5.0	0	4	13	27	174	341	877	3074 *	5520 *	7227 *
3.0	0	4	13	27	176	347	912	3175 *	5625 *	7255 *
1.0	0	4	13	26	176	347	910	3236 *	5684 *	7281 *
0.0	0	4	13	26	176	347	909	3238 *	5691 *	7280 *
-1.0	0	4	13	26	176	347	910	3236 *	5684 *	7281 *
-3.0	0	4	13	27	176	347	912	3175 *	5625 *	7255 *
-5.0	0	4	13	27	174	341	877	3074 *	5520 *	7227 *
-7.0	0	4	13	27	171	337	850	2926 *	5368 *	7177 *
-9.0	0	4	13	27	168	330	810	2728 *	5174 *	7052 *
-11.0	0	4	13	26	164	321	756	2482 *	4945 *	6807 *
-13.0	0	4	13	26	159	310	690	2206 *	4653 *	6528 *
-15.0	0	4	13	25	153	297	608	1900 *	4271 *	6219 *
-17.0	0	4	12	25	146	281	526	1672 *	3837 *	5794 *
-19.5	0	4	12	23	136	259	465	1337 *	3190 *	5172 *
-22.5	0	4	12	21	124	233	381	926	2380 *	4191 *
-25.5	0	4	12	19	109	204	316	661	1636 *	3013 *
-29.0	0	3	11	19	91	173	247	435	912	1895 *
-33.0	0	3	11	18	71	139	189	285	474	882
-37.5	0	3	10	17	51	106	139	190	262	401
-42.5	0	3	9	15	33	76	102	134	170	215
-47.5	0	3	8	13	21	50	70	94	113	139
-55.0	0	2	6	11	13	20	25	32	38	41
-65.0	0	2	5	7	9	11	12	13	15	16
-75.0	0	1	3	5	6	7	8	8	9	10
-85.0	0	0	1	3	4	4	4	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	6	6	6	6	6	6	6	6	6	6
75.0	10	11	11	11	12	12	12	12	12	12
65.0	17	18	19	20	21	21	22	22	22	23
55.0	49	52	55	61	64	66	68	69	70	70
47.5	163	186	213	238	261	285	306	322	334	344
42.5	272	341	440	521	609	699	779	845	899	942
37.5	605	830	1194 *	1480 *	1671 *	1922 *	2126 *	2288 *	2434 *	2543 *
33.0	1531 *	2151 *	2797 *	3357 *	3753 *	4110 *	4426 *	4646 *	4775 *	4862 *
29.0	2874 *	3892 *	4792 *	5397 *	5862 *	6213 *	6485 *	6759 *	6963 *	7024 *
25.5	4447 *	5486 *	6395 *	7059 *	7478 *	7881 *	8264 *	8410 *	8524 *	8626 *
22.5	5643 *	6737 *	7714 *	8289 *	8727 *	9146 *	9473 *	9695 *	9822 *	9871 *
19.5	6656 *	7727 *	8637 *	9219 *	9663 *	10081 *	10402 *	10577 *	10640 *	10739 *
17.0	7252 *	8239 *	9041 *	9618 *	10025 *	10445 *	10761 *	10878 *	10961 *	11024 *
15.0	7565 *	8501 *	9296 *	9890 *	10264 *	10682 *	10946 *	11076 *	11143 *	11200 *
13.0	7793 *	8719 *	9537 *	10067 *	10465 *	10915 *	11143 *	11232 *	11303 *	11348 *
11.0	7983 *	8922 *	9691 *	10210 *	10669 *	11090 *	11286 *	11372 *	11432 *	11474 *
9.0	8140 *	9066 *	9822 *	10376 *	10790 *	11229 *	11412 *	11492 *	11539 *	11575 *
7.0	8291 *	9131 *	9987 *	10450 *	10891 *	11392 *	11514 *	11592 *	11638 *	11649 *
5.0	8420 *	9177 *	10134 *	10509 *	11061 *	11436 *	11594 *	11678 *	11724 *	11730 *
3.0	8481 *	9225 *	10127 *	10582 *	11121 *	11466 *	11647 *	11737 *	11795 *	11810 *
1.0	8504 *	9262 *	10106 *	10617 *	11085 *	11479 *	11670 *	11767 *	11834 *	11874 *
0.0	8501 *	9263 *	10104 *	10621 *	11051 *	11483 *	11680 *	11780 *	11851 *	11893 *
-1.0	8504 *	9262 *	10106 *	10617 *	11085 *	11479 *	11670 *	11767 *	11834 *	11874 *
-3.0	8481 *	9225 *	10127 *	10582 *	11121 *	11466 *	11647 *	11737 *	11795 *	11810 *
-5.0	8420 *	9177 *	10134 *	10509 *	11061 *	11436 *	11594 *	11678 *	11724 *	11730 *
-7.0	8291 *	9131 *	9987 *	10450 *	10891 *	11392 *	11514 *	11592 *	11638 *	11649 *
-9.0	8140 *	9066 *	9822 *	10376 *	10790 *	11229 *	11412 *	11492 *	11539 *	11575 *
-11.0	7983 *	8922 *	9691 *	10210 *	10669 *	11090 *	11286 *	11372 *	11432 *	11474 *
-13.0	7793 *	8719 *	9537 *	10067 *	10465 *	10915 *	11143 *	11232 *	11303 *	11348 *
-15.0	7565 *	8501 *	9296 *	9890 *	10264 *	10682 *	10946 *	11076 *	11143 *	11200 *
-17.0	7252 *	8239 *	9041 *	9618 *	10025 *	10445 *	10761 *	10878 *	10961 *	11024 *
-19.5	6656 *	7727 *	8637 *	9219 *	9663 *	10081 *	10402 *	10577 *	10640 *	10739 *
-22.5	5643 *	6737 *	7714 *	8289 *	8727 *	9146 *	9473 *	9695 *	9822 *	9871 *
-25.5	4447 *	5486 *	6395 *	7059 *	7478 *	7881 *	8264 *	8410 *	8524 *	8626 *
-29.0	2874 *	3892 *	4792 *	5397 *	5862 *	6213 *	6485 *	6759 *	6963 *	7024 *
-33.0	1531 *	2151 *	2797 *	3357 *	3753 *	4110 *	4426 *	4646 *	4775 *	4862 *
-37.5	605	830	1194 *	1480 *	1671 *	1922 *	2126 *	2288 *	2434 *	2543 *
-42.5	272	341	440	521	609	699	779	845	899	942
-47.5	163	186	213	238	261	285	306	322	334	344
-55.0	49	52	55	61	64	66	68	69	70	70
-65.0	17	18	19	20	21	21	22	22	22	23
-75.0	10	11	11	11	12	12	12	12	12	12
-85.0	6	6	6	6	6	6	6	6	6	6
-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	6	6	6	6	6	6	6	6	6	6
75.0	12	12	12	12	12	12	12	12	12	12
65.0	23	23	23	23	23	23	22	22	22	21

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CANDELA TABULATION - (Cont.)

55.0	70	67	66	67	70	70	70	69	68	66
47.5	355	356	356	356	355	344	334	322	306	285
42.5	986	985	985	985	986	942	899	845	779	699
37.5	2613 *	2650 *	2647 *	2650 *	2613 *	2543 *	2434 *	2288 *	2126 *	1922 *
33.0	4907 *	4937 *	4932 *	4937 *	4907 *	4862 *	4775 *	4646 *	4426 *	4110 *
29.0	7031 *	6994 *	6958 *	6994 *	7031 *	7024 *	6963 *	6759 *	6485 *	6213 *
25.5	8662 *	8630 *	8587 *	8630 *	8662 *	8626 *	8524 *	8410 *	8264 *	7881 *
22.5	9857 *	9822 *	9792 *	9822 *	9857 *	9871 *	9822 *	9695 *	9473 *	9146 *
19.5	10797 *	10817 *	10819 *	10817 *	10797 *	10739 *	10640 *	10577 *	10402 *	10081 *
17.0	11066 *	11085 *	11088 *	11085 *	11066 *	11024 *	10961 *	10878 *	10761 *	10445 *
15.0	11240 *	11262 *	11264 *	11262 *	11240 *	11200 *	11143 *	11076 *	10946 *	10682 *
13.0	11379 *	11397 *	11402 *	11397 *	11379 *	11348 *	11303 *	11232 *	11143 *	10915 *
11.0	11493 *	11509 *	11516 *	11509 *	11493 *	11474 *	11432 *	11372 *	11286 *	11090 *
9.0	11589 *	11598 *	11605 *	11598 *	11589 *	11575 *	11539 *	11492 *	11412 *	11229 *
7.0	11663 *	11664 *	11672 *	11664 *	11663 *	11649 *	11638 *	11592 *	11514 *	11392 *
5.0	11710 *	11707 *	11714 *	11707 *	11710 *	11730 *	11724 *	11678 *	11594 *	11436 *
3.0	11772 *	11720 *	11728 *	11720 *	11772 *	11810 *	11795 *	11737 *	11647 *	11466 *
1.0	11873 *	11782 *	11761 *	11782 *	11873 *	11874 *	11834 *	11767 *	11670 *	11479 *
0.0	11903 *	11831 *	11781 *	11831 *	11903 *	11893 *	11851 *	11780 *	11680 *	11483 *
-1.0	11873 *	11782 *	11761 *	11782 *	11873 *	11874 *	11834 *	11767 *	11670 *	11479 *
-3.0	11772 *	11720 *	11728 *	11720 *	11772 *	11810 *	11795 *	11737 *	11647 *	11466 *
-5.0	11710 *	11707 *	11714 *	11707 *	11710 *	11730 *	11724 *	11678 *	11594 *	11436 *
-7.0	11663 *	11664 *	11672 *	11664 *	11663 *	11649 *	11638 *	11592 *	11514 *	11392 *
-9.0	11589 *	11598 *	11605 *	11598 *	11589 *	11575 *	11539 *	11492 *	11412 *	11229 *
-11.0	11493 *	11509 *	11516 *	11509 *	11493 *	11474 *	11432 *	11372 *	11286 *	11090 *
-13.0	11379 *	11397 *	11402 *	11397 *	11379 *	11348 *	11303 *	11232 *	11143 *	10915 *
-15.0	11240 *	11262 *	11264 *	11262 *	11240 *	11200 *	11143 *	11076 *	10946 *	10682 *
-17.0	11066 *	11085 *	11088 *	11085 *	11066 *	11024 *	10961 *	10878 *	10761 *	10445 *
-19.5	10797 *	10817 *	10819 *	10817 *	10797 *	10739 *	10640 *	10577 *	10402 *	10081 *
-22.5	9857 *	9822 *	9792 *	9822 *	9857 *	9871 *	9822 *	9695 *	9473 *	9146 *
-25.5	8662 *	8630 *	8587 *	8630 *	8662 *	8626 *	8524 *	8410 *	8264 *	7881 *
-29.0	7031 *	6994 *	6958 *	6994 *	7031 *	7024 *	6963 *	6759 *	6485 *	6213 *
-33.0	4907 *	4937 *	4932 *	4937 *	4907 *	4862 *	4775 *	4646 *	4426 *	4110 *
-37.5	2613 *	2650 *	2647 *	2650 *	2613 *	2543 *	2434 *	2288 *	2126 *	1922 *
-42.5	986	985	985	985	986	942	899	845	779	699
-47.5	355	356	356	356	355	344	334	322	306	285
-55.0	70	67	66	67	70	70	70	69	68	66
-65.0	23	23	23	23	23	23	22	22	22	21
-75.0	12	12	12	12	12	12	12	12	12	12
-85.0	6	6	6	6	6	6	6	6	6	6
-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	6	6	6	6	6	5	5	5	4	4
75.0	12	11	11	11	10	10	9	8	8	7
65.0	21	20	19	18	17	16	15	13	12	11
55.0	64	61	55	52	49	41	38	32	25	20
47.5	261	238	213	186	163	139	113	94	70	50
42.5	609	521	440	341	272	215	170	134	102	76
37.5	1671 *	1480 *	1194 *	830	605	401	262	190	139	106
33.0	3753 *	3357 *	2797 *	2151 *	1531 *	882	474	285	189	139
29.0	5862 *	5397 *	4792 *	3892 *	2874 *	1895 *	912	435	247	173
25.5	7478 *	7059 *	6395 *	5486 *	4447 *	3013 *	1636 *	661	316	204

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CANDELA TABULATION - (Cont.)

22.5	8727 *	8289 *	7714 *	6737 *	5643 *	4191 *	2380 *	926	381	233
19.5	9663 *	9219 *	8637 *	7727 *	6656 *	5172 *	3190 *	1337 *	465	259
17.0	10025 *	9618 *	9041 *	8239 *	7252 *	5794 *	3837 *	1672 *	526	281
15.0	10264 *	9890 *	9296 *	8501 *	7565 *	6219 *	4271 *	1900 *	608	297
13.0	10465 *	10067 *	9537 *	8719 *	7793 *	6528 *	4653 *	2206 *	690	310
11.0	10669 *	10210 *	9691 *	8922 *	7983 *	6807 *	4945 *	2482 *	756	321
9.0	10790 *	10376 *	9822 *	9066 *	8140 *	7052 *	5174 *	2728 *	810	330
7.0	10891 *	10450 *	9987 *	9131 *	8291 *	7177 *	5368 *	2926 *	850	337
5.0	11061 *	10509 *	10134 *	9177 *	8420 *	7227 *	5520 *	3074 *	877	341
3.0	11121 *	10582 *	10127 *	9225 *	8481 *	7255 *	5625 *	3175 *	912	347
1.0	11085 *	10617 *	10106 *	9262 *	8504 *	7281 *	5684 *	3236 *	910	347
0.0	11051 *	10621 *	10104 *	9263 *	8501 *	7280 *	5691 *	3238 *	909	347
-1.0	11085 *	10617 *	10106 *	9262 *	8504 *	7281 *	5684 *	3236 *	910	347
-3.0	11121 *	10582 *	10127 *	9225 *	8481 *	7255 *	5625 *	3175 *	912	347
-5.0	11061 *	10509 *	10134 *	9177 *	8420 *	7227 *	5520 *	3074 *	877	341
-7.0	10891 *	10450 *	9987 *	9131 *	8291 *	7177 *	5368 *	2926 *	850	337
-9.0	10790 *	10376 *	9822 *	9066 *	8140 *	7052 *	5174 *	2728 *	810	330
-11.0	10669 *	10210 *	9691 *	8922 *	7983 *	6807 *	4945 *	2482 *	756	321
-13.0	10465 *	10067 *	9537 *	8719 *	7793 *	6528 *	4653 *	2206 *	690	310
-15.0	10264 *	9890 *	9296 *	8501 *	7565 *	6219 *	4271 *	1900 *	608	297
-17.0	10025 *	9618 *	9041 *	8239 *	7252 *	5794 *	3837 *	1672 *	526	281
-19.5	9663 *	9219 *	8637 *	7727 *	6656 *	5172 *	3190 *	1337 *	465	259
-22.5	8727 *	8289 *	7714 *	6737 *	5643 *	4191 *	2380 *	926	381	233
-25.5	7478 *	7059 *	6395 *	5486 *	4447 *	3013 *	1636 *	661	316	204
-29.0	5862 *	5397 *	4792 *	3892 *	2874 *	1895 *	912	435	247	173
-33.0	3753 *	3357 *	2797 *	2151 *	1531 *	882	474	285	189	139
-37.5	1671 *	1480 *	1194 *	830	605	401	262	190	139	106
-42.5	609	521	440	341	272	215	170	134	102	76
-47.5	261	238	213	186	163	139	113	94	70	50
-55.0	64	61	55	52	49	41	38	32	25	20
-65.0	21	20	19	18	17	16	15	13	12	11
-75.0	12	11	11	11	10	10	9	8	8	7
-85.0	6	6	6	6	6	5	5	5	4	4
-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	4	3	1	0	0
75.0	6	5	3	1	0
65.0	9	7	5	2	0
55.0	13	11	6	2	0
47.5	21	13	8	3	0
42.5	33	15	9	3	0
37.5	51	17	10	3	0
33.0	71	18	11	3	0
29.0	91	19	11	3	0
25.5	109	19	12	4	0
22.5	124	21	12	4	0
19.5	136	23	12	4	0
17.0	146	25	12	4	0
15.0	153	25	13	4	0
13.0	159	26	13	4	0
11.0	164	26	13	4	0
9.0	168	27	13	4	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	171	27	13	4	0
5.0	174	27	13	4	0
3.0	176	27	13	4	0
1.0	176	26	13	4	0
0.0	176	26	13	4	0
-1.0	176	26	13	4	0
-3.0	176	27	13	4	0
-5.0	174	27	13	4	0
-7.0	171	27	13	4	0
-9.0	168	27	13	4	0
-11.0	164	26	13	4	0
-13.0	159	26	13	4	0
-15.0	153	25	13	4	0
-17.0	146	25	12	4	0
-19.5	136	23	12	4	0
-22.5	124	21	12	4	0
-25.5	109	19	12	4	0
-29.0	91	19	11	3	0
-33.0	71	18	11	3	0
-37.5	51	17	10	3	0
-42.5	33	15	9	3	0
-47.5	21	13	8	3	0
-55.0	13	11	6	2	0
-65.0	9	7	5	2	0
-75.0	6	5	3	1	0
-85.0	4	3	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5920.73

Total Field Lumens (one side of beam only) = 5671.49

* 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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
65	0.05	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.11
55	0.14	0.28	0.28	0.28	0.28	0.27	0.26	0.25	0.24	0.28
47.5	0.48	0.97	0.96	0.93	0.90	0.86	0.81	0.75	0.69	0.77
42.5	1.02	2.04	2.00	1.91	1.81	1.69	1.54	1.37	1.19	1.28
37.5	2.77 *	5.51 *	5.38 *	5.16 *	4.88 *	4.53 *	4.12 *	3.62 *	3.13	3.29
33	5.20 *	10.35 *	10.20 *	9.96 *	9.60 *	9.10 *	8.44 *	7.62 *	6.76 *	7.18 *
29	7.26 *	14.53 *	14.48 *	14.31 *	13.96 *	13.39 *	12.65 *	11.79 *	10.76 *	11.82 *
25.5	8.31 *	16.68 *	16.67 *	16.51 *	16.18 *	15.71 *	15.04 *	14.19 *	13.22 *	14.96 *
22.5	8.41 *	16.88 *	16.87 *	16.74 *	16.49 *	16.13 *	15.54 *	14.73 *	13.86 *	15.98 *
19.5	9.42 *	18.86 *	18.81 *	18.66 *	18.43 *	18.06 *	17.48 *	16.68 *	15.77 *	18.36 *
17	8.34 *	16.65 *	16.57 *	16.42 *	16.23 *	15.98 *	15.53 *	14.86 *	14.10 *	16.50 *
15	6.81 *	13.59 *	13.53 *	13.43 *	13.29 *	13.10 *	12.76 *	12.24 *	11.65 *	13.68 *
13	6.90 *	13.78 *	13.72 *	13.63 *	13.50 *	13.32 *	13.02 *	12.51 *	11.91 *	14.03 *
11	6.98 *	13.94 *	13.88 *	13.80 *	13.68 *	13.51 *	13.24 *	12.75 *	12.13 *	14.28 *
9	7.04 *	14.06 *	14.02 *	13.94 *	13.83 *	13.67 *	13.41 *	12.94 *	12.31 *	14.50 *
7	7.09 *	14.16 *	14.12 *	14.06 *	13.95 *	13.80 *	13.57 *	13.09 *	12.45 *	14.69 *
5	7.12 *	14.23 *	14.21 *	14.16 *	14.07 *	13.91 *	13.69 *	13.23 *	12.56 *	14.85 *
3	7.14 *	14.28 *	14.29 *	14.26 *	14.16 *	14.00 *	13.75 *	13.32 *	12.67 *	14.95 *
1	7.16 *	14.35 *	14.38 *	14.33 *	14.22 *	14.05 *	13.78 *	13.34 *	12.71 *	14.98 *
0	3.59 *	7.21 *	7.22 *	7.19 *	7.12 *	7.03 *	6.90 *	6.66 *	6.35 *	7.49 *
-1	3.59 *	7.21 *	7.22 *	7.19 *	7.12 *	7.03 *	6.90 *	6.66 *	6.35 *	7.49 *
	7.16 *	14.35 *	14.38 *	14.33 *	14.22 *	14.05 *	13.78 *	13.34 *	12.71 *	14.98 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	7.14 *	14.28 *	14.29 *	14.26 *	14.16 *	14.00 *	13.75 *	13.32 *	12.67 *	14.95 *
-5	7.12 *	14.23 *	14.21 *	14.16 *	14.07 *	13.91 *	13.69 *	13.23 *	12.56 *	14.85 *
-7	7.09 *	14.16 *	14.12 *	14.06 *	13.95 *	13.80 *	13.57 *	13.09 *	12.45 *	14.69 *
-9	7.04 *	14.06 *	14.02 *	13.94 *	13.83 *	13.67 *	13.41 *	12.94 *	12.31 *	14.50 *
-11	6.98 *	13.94 *	13.88 *	13.80 *	13.68 *	13.51 *	13.24 *	12.75 *	12.13 *	14.28 *
-13	6.90 *	13.78 *	13.72 *	13.63 *	13.50 *	13.32 *	13.02 *	12.51 *	11.91 *	14.03 *
-15	6.81 *	13.59 *	13.53 *	13.43 *	13.29 *	13.10 *	12.76 *	12.24 *	11.65 *	13.68 *
-17	8.34 *	16.65 *	16.57 *	16.42 *	16.23 *	15.98 *	15.53 *	14.86 *	14.10 *	16.50 *
-19.5	9.42 *	18.86 *	18.81 *	18.66 *	18.43 *	18.06 *	17.48 *	16.68 *	15.77 *	18.36 *
-22.5	8.41 *	16.88 *	16.87 *	16.74 *	16.49 *	16.13 *	15.54 *	14.73 *	13.86 *	15.98 *
-25.5	8.31 *	16.68 *	16.67 *	16.51 *	16.18 *	15.71 *	15.04 *	14.19 *	13.22 *	14.96 *
-29	7.26 *	14.53 *	14.48 *	14.31 *	13.96 *	13.39 *	12.65 *	11.79 *	10.76 *	11.82 *
-33	5.20 *	10.35 *	10.20 *	9.96 *	9.60 *	9.10 *	8.44 *	7.62 *	6.76 *	7.18 *
-37.5	2.77 *	5.51 *	5.38 *	5.16 *	4.88 *	4.53 *	4.12 *	3.62 *	3.13	3.29
-42.5	1.02	2.04	2.00	1.91	1.81	1.69	1.54	1.37	1.19	1.28
-47.5	0.48	0.97	0.96	0.93	0.90	0.86	0.81	0.75	0.69	0.77
-55	0.14	0.28	0.28	0.28	0.28	0.27	0.26	0.25	0.24	0.28
-65	0.05	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.11
-75	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	222.51	445.05	443.53	439.69	433.47	424.53	411.35	392.23	369.22	428.14

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.07	0.07	0.07	0.08	0.08	0.07	0.06	0.08	0.07	0.03
75	0.13	0.12	0.13	0.13	0.13	0.12	0.10	0.12	0.10	0.05
65	0.31	0.28	0.29	0.29	0.27	0.24	0.18	0.19	0.15	0.08
55	0.81	0.70	0.70	0.65	0.58	0.48	0.33	0.28	0.17	0.07

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	1.26	1.00	0.93	0.83	0.71	0.58	0.40	0.32	0.16	0.06
42.5	2.99	2.14	1.77	1.37	1.06	0.82	0.57	0.48	0.22	0.07
37.5	6.69 *	4.81 *	3.65	2.37	1.52	1.05	0.69	0.59	0.27	0.07
33	11.63 *	8.72 *	6.81 *	4.35	2.36	1.35	0.81	0.68	0.30	0.06
29	15.35 *	12.20 *	10.14 *	6.81 *	3.57	1.69	0.89	0.72	0.32	0.06
25.5	16.85 *	13.97 *	12.29 *	8.79 *	4.70 *	2.00	0.92	0.72	0.31	0.05
22.5	19.72 *	16.76 *	15.40 *	11.70 *	6.57 *	2.72	1.08	0.81	0.35	0.05
19.5	17.94 *	15.59 *	14.73 *	11.74 *	7.02 *	2.92	1.03	0.73	0.31	0.05
17	14.96 *	13.17 *	12.71 *	10.51 *	6.54 *	2.74	0.92	0.63	0.27	0.04
15	15.38 *	13.60 *	13.32 *	11.31 *	7.29 *	3.15 *	1.03	0.66	0.28	0.04
13	15.73 *	13.95 *	13.79 *	11.97 *	7.99 *	3.58 *	1.12	0.68	0.29	0.04
11	16.00 *	14.24 *	14.21 *	12.52 *	8.58 *	3.95 *	1.19	0.70	0.29	0.04
9	16.21 *	14.45 *	14.53 *	12.93 *	9.06 *	4.27 *	1.25	0.72	0.30	0.04
7	16.39 *	14.62 *	14.74 *	13.21 *	9.45 *	4.51 *	1.29	0.73	0.30	0.04
5	16.49 *	14.73 *	14.87 *	13.38 *	9.73 *	4.69 *	1.33	0.74	0.31	0.04
3	16.52 *	14.81 *	14.94 *	13.49 *	9.92 *	4.80 *	1.35	0.75	0.31	0.04
1	8.26 *	7.41 *	7.48 *	6.77 *	4.99 *	2.42 *	0.68	0.37	0.15	0.02
0	8.26 *	7.41 *	7.48 *	6.77 *	4.99 *	2.42 *	0.68	0.37	0.15	0.02
-1	16.52 *	14.81 *	14.94 *	13.49 *	9.92 *	4.80 *	1.35	0.75	0.31	0.04
-3	16.49 *	14.73 *	14.87 *	13.38 *	9.73 *	4.69 *	1.33	0.74	0.31	0.04
-5	16.39 *	14.62 *	14.74 *	13.21 *	9.45 *	4.51 *	1.29	0.73	0.30	0.04
-7	16.21 *	14.45 *	14.53 *	12.93 *	9.06 *	4.27 *	1.25	0.72	0.30	0.04
-9	16.00 *	14.24 *	14.21 *	12.52 *	8.58 *	3.95 *	1.19	0.70	0.29	0.04
-11	15.73 *	13.95 *	13.79 *	11.97 *	7.99 *	3.58 *	1.12	0.68	0.29	0.04
-13	15.38 *	13.60 *	13.32 *	11.31 *	7.29 *	3.15 *	1.03	0.66	0.28	0.04
-15	14.96 *	13.17 *	12.71 *	10.51 *	6.54 *	2.74	0.92	0.63	0.27	0.04
-17	17.94 *	15.59 *	14.73 *	11.74 *	7.02 *	2.92	1.03	0.73	0.31	0.05
-19.5	19.72 *	16.76 *	15.40 *	11.70 *	6.57 *	2.72	1.08	0.81	0.35	0.05

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	16.85 *	13.97 *	12.29 *	8.79 *	4.70 *	2.00	0.92	0.72	0.31	0.05
-25.5	15.35 *	12.20 *	10.14 *	6.81 *	3.57	1.69	0.89	0.72	0.32	0.06
-29	11.63 *	8.72 *	6.81 *	4.35	2.36	1.35	0.81	0.68	0.30	0.06
-33	6.69 *	4.81 *	3.65	2.37	1.52	1.05	0.69	0.59	0.27	0.07
-37.5	2.99	2.14	1.77	1.37	1.06	0.82	0.57	0.48	0.22	0.07
-42.5	1.26	1.00	0.93	0.83	0.71	0.58	0.40	0.32	0.16	0.06
-47.5	0.81	0.70	0.70	0.65	0.58	0.48	0.33	0.28	0.17	0.07
-55	0.31	0.28	0.29	0.29	0.27	0.24	0.18	0.19	0.15	0.08
-65	0.13	0.12	0.13	0.13	0.13	0.12	0.10	0.12	0.10	0.05
-75	0.07	0.07	0.07	0.08	0.08	0.07	0.06	0.08	0.07	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	459.35	394.68	375.01	310.41	204.29	96.34	34.49	23.40	10.46	2.08

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.21	
85				
	0.01	0.00	1.20	
75				
	0.01	0.00	2.11	
65				
	0.02	0.00	4.87	
55				
	0.02	0.00	12.90	
47.5				
	0.02	0.00	22.12	
42.5				
	0.02	0.00	53.87	
37.5				
	0.02	0.00	106.13	
33				
	0.01	0.00	162.02	
29				
	0.01	0.00	199.21	
25.5				
	0.01	0.00	212.24	
22.5				
	0.01	0.00	245.68	
19.5				
	0.01	0.00	223.26	
17				
	0.01	0.00	186.58	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

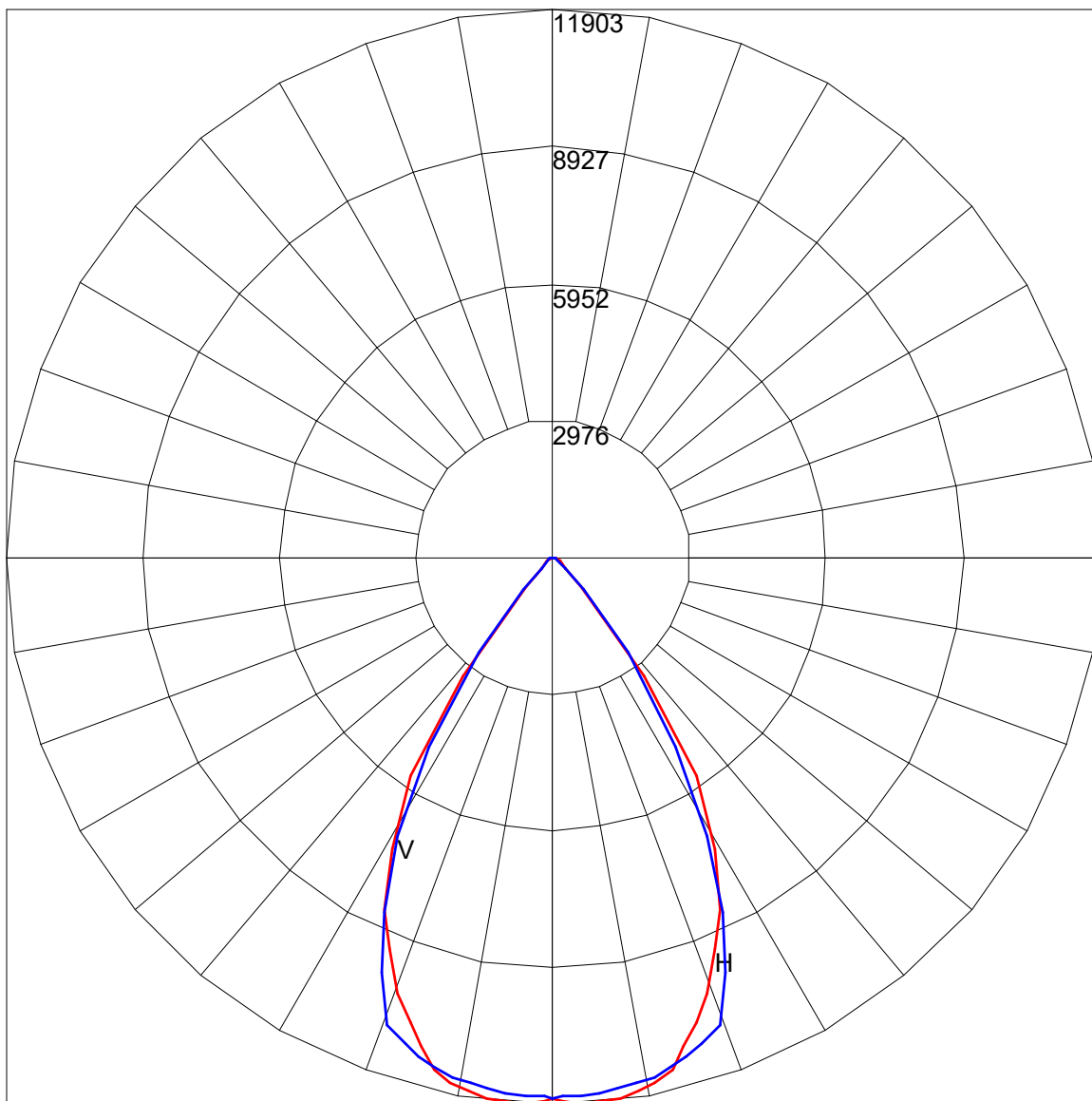
15	0.01	0.00	192.38
13	0.01	0.00	197.33
11	0.01	0.00	201.44
9	0.01	0.00	204.76
7	0.01	0.00	207.33
5	0.01	0.00	209.14
3	0.01	0.00	210.23
1	0.00	0.00	105.34
0	0.00	0.00	105.34
-1	0.01	0.00	210.23
-3	0.01	0.00	209.14
-5	0.01	0.00	207.33
-7	0.01	0.00	204.76
-9	0.01	0.00	201.44
-11	0.01	0.00	197.33
-13	0.01	0.00	192.38
-15	0.01	0.00	186.58
-17	0.01	0.00	223.26
-19.5	0.01	0.00	245.68
-22.5	0.01	0.00	212.24
-25.5	0.01	0.00	199.21
-29	0.01	0.00	162.02
-33	0.02	0.00	106.13
-37.5	0.02	0.00	53.87
-42.5	0.02	0.00	22.12
-47.5	0.02	0.00	12.90
-55	0.02	0.00	4.87
-65	0.01	0.00	2.11

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

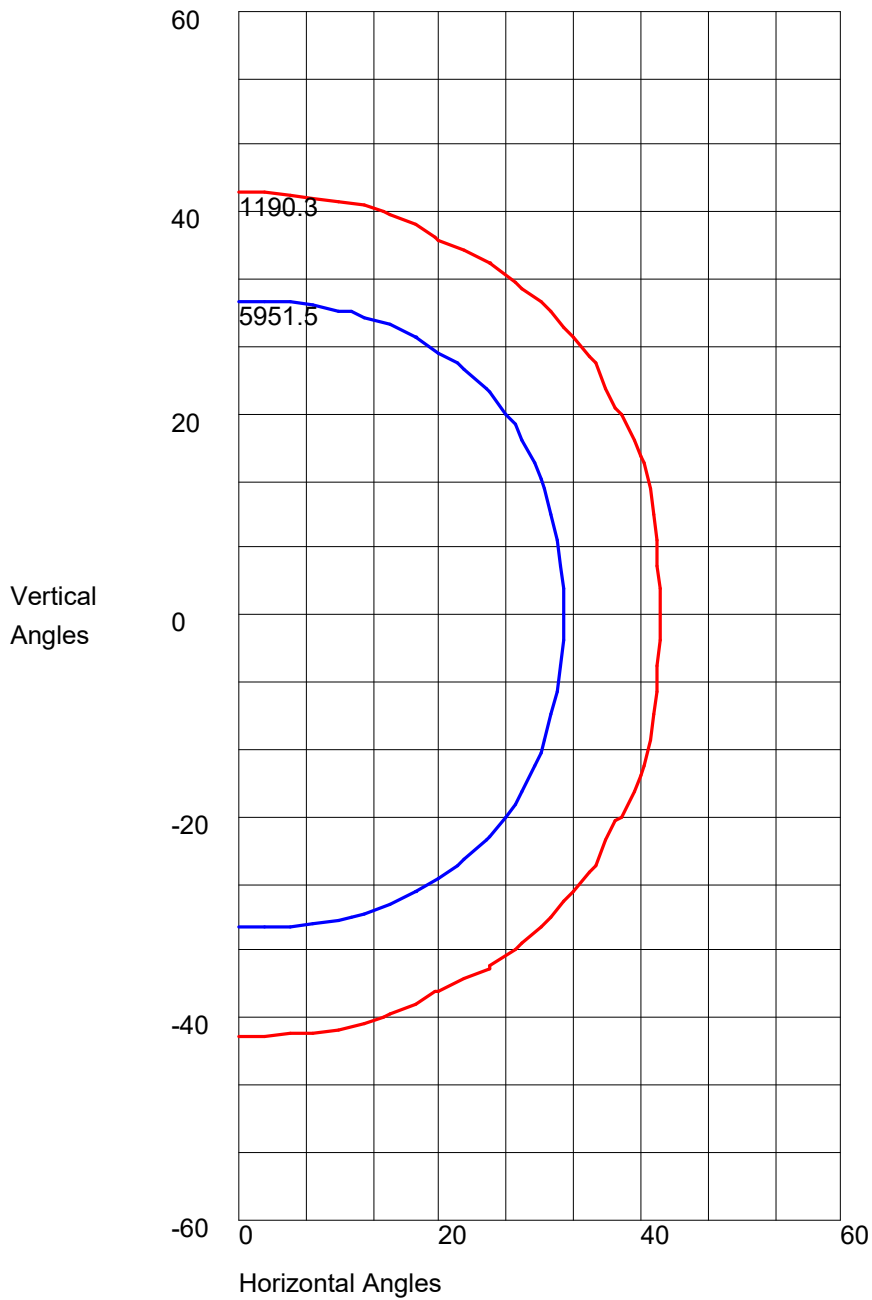
-75	0.01	0.00	1.20
-85	0.00	0.00	0.21
-90			
Total	0.50	0.02	5920.74

AXIAL CANDELA DISPLAY



Maximum Candela = 11903 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 11903 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 5951.5
10% Maximum Candela = 1190.3