



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12613
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/16/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-12L-PC-WF-50-80-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	9415
Maximum Candela Angle	-3H -1V
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	7612
Beam Efficiency	N.A.
Field Lumens	9366
Field Efficiency	N.A.
Spill Lumens	502
Luminaire Lumens	9868
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	3	85	16
75	11	75	27
65	58	65	122
55	166	55	254
47.5	331	47.5	439
42.5	915	42.5	908
37.5	2876	37.5	2747
33	4895	33	5215
29	6194	29	6715
25.5	7049	25.5	7571
22.5	7742	22.5	8085
19.5	8292	19.5	8458
17	8700	17	8698
15	8914	15	8856
13	9110	13	8982
11	9227	11	9086
9	9305	9	9169
7	9363	7	9233
5	9401	5	9277
3	9415	3	9290
1	9372	1	9321
0	9340	0	9340
-1	9372	-1	9331
-3	9415	-3	9316
-5	9401	-5	9307
-7	9363	-7	9281
-9	9305	-9	9238
-11	9227	-11	9173
-13	9110	-13	9088
-15	8914	-15	8990
-17	8700	-17	8862
-19.5	8292	-19.5	8660
-22.5	7742	-22.5	7268
-25.5	7049	-25.5	6386
-29	6194	-29	4970
-33	4895	-33	3718
-37.5	2876	-37.5	2385
-42.5	915	-42.5	1034
-47.5	331	-47.5	160
-55	166	-55	1
-65	58	-65	1
-75	11	-75	1
-85	3	-85	2
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 9415

Beam Edge = 4707.5 Cd (50% of Max.)

Field Edge = 941.5 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	3	7	9	10	11	12	13	14
75.0	0	2	6	9	12	14	17	20	20	23
65.0	0	2	7	12	29	45	55	66	75	84
55.0	0	3	8	23	59	89	109	132	152	170
47.5	0	3	9	34	88	130	161	197	226	257
42.5	0	3	11	41	105	156	193	237	284	332
37.5	0	4	12	48	120	177	223	284	366	487
33.0	0	4	12	53	130	195	254	349	517	872
29.0	0	4	13	57	139	213	289	456	846	1694 *
25.5	0	4	13	59	146	228	332	623	1442 *	2705 *
22.5	0	4	13	61	152	245	380	827	2075 *	3634 *
19.5	0	4	13	62	157	259	447	1182 *	2750 *	4453 *
17.0	0	3	13	63	160	272	499	1495 *	3309 *	4981 *
15.0	0	3	13	63	163	286	574	1719 *	3709 *	5334 *
13.0	0	3	13	63	165	298	655	2003 *	4049 *	5576 *
11.0	0	3	13	63	167	308	726	2252 *	4299 *	5782 *
9.0	0	3	13	63	168	317	786	2461 *	4503 *	5950 *
7.0	0	3	12	62	168	324	835	2630 *	4671 *	6076 *
5.0	0	3	12	61	168	329	873	2756 *	4791 *	6155 *
3.0	0	3	12	61	169	334	913	2837 *	4865 *	6198 *
1.0	0	3	11	59	167	332	914	2879 *	4896 *	6204 *
0.0	0	3	11	58	166	331	915	2876 *	4895 *	6194 *
-1.0	0	3	11	57	165	330	917	2885 *	4894 *	6195 *
-3.0	0	3	11	55	162	329	920	2855 *	4860 *	6173 *
-5.0	0	3	10	53	157	321	883	2787 *	4794 *	6130 *
-7.0	0	3	10	51	153	312	851	2677 *	4683 *	6055 *
-9.0	0	3	9	48	147	302	803	2526 *	4527 *	5935 *
-11.0	0	3	9	45	142	289	740	2336 *	4337 *	5771 *
-13.0	0	3	9	43	135	275	662	2101 *	4116 *	5571 *
-15.0	0	3	8	40	128	258	566	1808 *	3831 *	5337 *
-17.0	0	3	8	37	120	240	473	1570 *	3505 *	4945 *
-19.5	0	3	7	33	110	213	408	1246 *	2917 *	4350 *
-22.5	0	2	7	28	98	183	319	865	2134 *	3471 *
-25.5	0	2	6	23	84	151	250	592	1486 *	2567 *
-29.0	0	2	6	19	69	120	184	362	838	1675 *
-33.0	0	2	5	14	53	91	132	207	409	823
-37.5	0	2	5	10	36	67	92	131	203	351
-42.5	0	2	4	8	19	42	58	78	107	146
-47.5	0	2	3	6	9	19	27	35	45	56
-55.0	0	1	2	3	4	4	5	4	5	3
-65.0	0	1	1	1	1	1	1	1	0	1
-75.0	0	1	1	1	1	1	1	1	1	1
-85.0	0	0	1	2	2	2	3	2	2	3
-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	15	15	15	15	15	15	15	16	16	16
75.0	25	27	28	28	29	29	28	28	27	27
65.0	91	98	104	109	112	114	116	118	119	120
55.0	186	198	210	220	228	235	241	245	248	250
47.5	286	311	338	358	375	390	404	416	425	432
42.5	388	449	525	580	648	720	781	830	869	898
37.5	669	879	1207 *	1493 *	1698 *	1977 *	2217 *	2418 *	2577 *	2695 *
33.0	1442 *	2059 *	2743 *	3318 *	3747 *	4124 *	4427 *	4672 *	4869 *	5017 *
29.0	2702 *	3629 *	4490 *	5110 *	5540 *	5853 *	6116 *	6333 *	6488 *	6603 *
25.5	3977 *	4948 *	5756 *	6299 *	6631 *	6901 *	7133 *	7277 *	7389 *	7482 *
22.5	4919 *	5816 *	6528 *	7007 *	7307 *	7529 *	7717 *	7847 *	7943 *	8012 *
19.5	5651 *	6459 *	7118 *	7534 *	7792 *	8004 *	8169 *	8278 *	8356 *	8418 *
17.0	6106 *	6850 *	7444 *	7843 *	8087 *	8277 *	8432 *	8531 *	8607 *	8662 *
15.0	6371 *	7083 *	7659 *	8062 *	8271 *	8464 *	8596 *	8699 *	8768 *	8816 *
13.0	6584 *	7278 *	7851 *	8228 *	8447 *	8623 *	8750 *	8838 *	8907 *	8948 *
11.0	6770 *	7450 *	7989 *	8373 *	8584 *	8759 *	8874 *	8957 *	9019 *	9058 *
9.0	6895 *	7553 *	8101 *	8485 *	8700 *	8880 *	8992 *	9060 *	9112 *	9148 *
7.0	6986 *	7639 *	8193 *	8567 *	8788 *	8976 *	9086 *	9154 *	9191 *	9218 *
5.0	7046 *	7706 *	8248 *	8652 *	8869 *	9041 *	9161 *	9232 *	9277 *	9276 *
3.0	7068 *	7751 *	8295 *	8705 *	8917 *	9097 *	9219 *	9290 *	9340 *	9357 *
1.0	7063 *	7761 *	8305 *	8714 *	8932 *	9123 *	9244 *	9322 *	9378 *	9414 *
0.0	7049 *	7742 *	8292 *	8700 *	8914 *	9110 *	9227 *	9305 *	9363 *	9401 *
-1.0	7061 *	7748 *	8298 *	8708 *	8930 *	9125 *	9247 *	9324 *	9378 *	9413 *
-3.0	7053 *	7718 *	8275 *	8686 *	8905 *	9096 *	9222 *	9295 *	9348 *	9359 *
-5.0	7002 *	7657 *	8212 *	8626 *	8858 *	9047 *	9183 *	9252 *	9290 *	9299 *
-7.0	6923 *	7571 *	8139 *	8547 *	8801 *	8995 *	9122 *	9192 *	9231 *	9249 *
-9.0	6829 *	7469 *	8045 *	8449 *	8724 *	8917 *	9050 *	9124 *	9167 *	9187 *
-11.0	6704 *	7337 *	7940 *	8350 *	8607 *	8825 *	8968 *	9043 *	9090 *	9111 *
-13.0	6523 *	7194 *	7790 *	8210 *	8495 *	8718 *	8868 *	8949 *	8996 *	9029 *
-15.0	6329 *	7018 *	7620 *	8065 *	8337 *	8583 *	8747 *	8837 *	8882 *	8927 *
-17.0	6063 *	6786 *	7373 *	7864 *	8176 *	8416 *	8615 *	8697 *	8753 *	8798 *
-19.5	5503 *	6205 *	6806 *	7341 *	7641 *	7977 *	8196 *	8284 *	8362 *	8557 *
-22.5	4521 *	5222 *	5841 *	6343 *	6670 *	6889 *	7080 *	7263 *	7274 *	7198 *
-25.5	3535 *	4209 *	4840 *	5251 *	5585 *	5817 *	5933 *	6108 *	6288 *	6412 *
-29.0	2429 *	3047 *	3591 *	4008 *	4246 *	4497 *	4741 *	4853 *	4871 *	4913 *
-33.0	1366 *	1826 *	2260 *	2600 *	2832 *	3015 *	3171 *	3337 *	3508 *	3641 *
-37.5	587	854	1175 *	1439 *	1634 *	1819 *	1985 *	2128 *	2222 *	2292 *
-42.5	211	283	401	500	590	691	790	872	935	983 *
-47.5	65	79	89	103	120	131	139	148	153	156
-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	27	27	27	27	27	27	27	28	28	29
65.0	121	122	122	122	121	120	119	118	116	114

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CANDELA TABULATION - (Cont.)

55.0	253	254	254	254	253	250	248	245	241	235
47.5	439	439	439	439	439	432	425	416	404	390
42.5	927	914	908	914	927	898	869	830	781	720
37.5	2769 *	2770 *	2747 *	2770 *	2769 *	2695 *	2577 *	2418 *	2217 *	1977 *
33.0	5112 *	5192 *	5215 *	5192 *	5112 *	5017 *	4869 *	4672 *	4427 *	4124 *
29.0	6684 *	6716 *	6715 *	6716 *	6684 *	6603 *	6488 *	6333 *	6116 *	5853 *
25.5	7544 *	7570 *	7571 *	7570 *	7544 *	7482 *	7389 *	7277 *	7133 *	6901 *
22.5	8060 *	8087 *	8085 *	8087 *	8060 *	8012 *	7943 *	7847 *	7717 *	7529 *
19.5	8446 *	8456 *	8458 *	8456 *	8446 *	8418 *	8356 *	8278 *	8169 *	8004 *
17.0	8689 *	8697 *	8698 *	8697 *	8689 *	8662 *	8607 *	8531 *	8432 *	8277 *
15.0	8845 *	8856 *	8856 *	8856 *	8845 *	8816 *	8768 *	8699 *	8596 *	8464 *
13.0	8974 *	8983 *	8982 *	8983 *	8974 *	8948 *	8907 *	8838 *	8750 *	8623 *
11.0	9081 *	9089 *	9086 *	9089 *	9081 *	9058 *	9019 *	8957 *	8874 *	8759 *
9.0	9167 *	9173 *	9169 *	9173 *	9167 *	9148 *	9112 *	9060 *	8992 *	8880 *
7.0	9232 *	9235 *	9233 *	9235 *	9232 *	9218 *	9191 *	9154 *	9086 *	8976 *
5.0	9279 *	9278 *	9277 *	9278 *	9279 *	9276 *	9277 *	9232 *	9161 *	9041 *
3.0	9321 *	9295 *	9290 *	9295 *	9321 *	9357 *	9340 *	9290 *	9219 *	9097 *
1.0	9413 *	9335 *	9321 *	9335 *	9413 *	9414 *	9378 *	9322 *	9244 *	9123 *
0.0	9415 *	9372 *	9340 *	9372 *	9415 *	9401 *	9363 *	9305 *	9227 *	9110 *
-1.0	9415 *	9341 *	9331 *	9341 *	9415 *	9413 *	9378 *	9324 *	9247 *	9125 *
-3.0	9332 *	9290 *	9316 *	9290 *	9332 *	9359 *	9348 *	9295 *	9222 *	9096 *
-5.0	9287 *	9283 *	9307 *	9283 *	9287 *	9299 *	9290 *	9252 *	9183 *	9047 *
-7.0	9244 *	9254 *	9281 *	9254 *	9244 *	9249 *	9231 *	9192 *	9122 *	8995 *
-9.0	9199 *	9209 *	9238 *	9209 *	9199 *	9187 *	9167 *	9124 *	9050 *	8917 *
-11.0	9137 *	9146 *	9173 *	9146 *	9137 *	9111 *	9090 *	9043 *	8968 *	8825 *
-13.0	9057 *	9067 *	9088 *	9067 *	9057 *	9029 *	8996 *	8949 *	8868 *	8718 *
-15.0	8957 *	8973 *	8990 *	8973 *	8957 *	8927 *	8882 *	8837 *	8747 *	8583 *
-17.0	8827 *	8846 *	8862 *	8846 *	8827 *	8798 *	8753 *	8697 *	8615 *	8416 *
-19.5	8629 *	8648 *	8660 *	8648 *	8629 *	8557 *	8362 *	8284 *	8196 *	7977 *
-22.5	7227 *	7265 *	7268 *	7265 *	7227 *	7198 *	7274 *	7263 *	7080 *	6889 *
-25.5	6429 *	6405 *	6386 *	6405 *	6429 *	6412 *	6288 *	6108 *	5933 *	5817 *
-29.0	4933 *	4965 *	4970 *	4965 *	4933 *	4913 *	4871 *	4853 *	4741 *	4497 *
-33.0	3722 *	3732 *	3718 *	3732 *	3722 *	3641 *	3508 *	3337 *	3171 *	3015 *
-37.5	2340 *	2379 *	2385 *	2379 *	2340 *	2292 *	2222 *	2128 *	1985 *	1819 *
-42.5	1036 *	1035 *	1034 *	1035 *	1036 *	983 *	935	872	790	691
-47.5	161	160	160	160	161	156	153	148	139	131
-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	28	28	27	25	23	20	20	17	14
65.0	112	109	104	98	91	84	75	66	55	45
55.0	228	220	210	198	186	170	152	132	109	89
47.5	375	358	338	311	286	257	226	197	161	130
42.5	648	580	525	449	388	332	284	237	193	156
37.5	1698 *	1493 *	1207 *	879	669	487	366	284	223	177
33.0	3747 *	3318 *	2743 *	2059 *	1442 *	872	517	349	254	195
29.0	5540 *	5110 *	4490 *	3629 *	2702 *	1694 *	846	456	289	213
25.5	6631 *	6299 *	5756 *	4948 *	3977 *	2705 *	1442 *	623	332	228

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CANDELA TABULATION - (Cont.)

22.5	7307 *	7007 *	6528 *	5816 *	4919 *	3634 *	2075 *	827	380	245
19.5	7792 *	7534 *	7118 *	6459 *	5651 *	4453 *	2750 *	1182 *	447	259
17.0	8087 *	7843 *	7444 *	6850 *	6106 *	4981 *	3309 *	1495 *	499	272
15.0	8271 *	8062 *	7659 *	7083 *	6371 *	5334 *	3709 *	1719 *	574	286
13.0	8447 *	8228 *	7851 *	7278 *	6584 *	5576 *	4049 *	2003 *	655	298
11.0	8584 *	8373 *	7989 *	7450 *	6770 *	5782 *	4299 *	2252 *	726	308
9.0	8700 *	8485 *	8101 *	7553 *	6895 *	5950 *	4503 *	2461 *	786	317
7.0	8788 *	8567 *	8193 *	7639 *	6986 *	6076 *	4671 *	2630 *	835	324
5.0	8869 *	8652 *	8248 *	7706 *	7046 *	6155 *	4791 *	2756 *	873	329
3.0	8917 *	8705 *	8295 *	7751 *	7068 *	6198 *	4865 *	2837 *	913	334
1.0	8932 *	8714 *	8305 *	7761 *	7063 *	6204 *	4896 *	2879 *	914	332
0.0	8914 *	8700 *	8292 *	7742 *	7049 *	6194 *	4895 *	2876 *	915	331
-1.0	8930 *	8708 *	8298 *	7748 *	7061 *	6195 *	4894 *	2885 *	917	330
-3.0	8905 *	8686 *	8275 *	7718 *	7053 *	6173 *	4860 *	2855 *	920	329
-5.0	8858 *	8626 *	8212 *	7657 *	7002 *	6130 *	4794 *	2787 *	883	321
-7.0	8801 *	8547 *	8139 *	7571 *	6923 *	6055 *	4683 *	2677 *	851	312
-9.0	8724 *	8449 *	8045 *	7469 *	6829 *	5935 *	4527 *	2526 *	803	302
-11.0	8607 *	8350 *	7940 *	7337 *	6704 *	5771 *	4337 *	2336 *	740	289
-13.0	8495 *	8210 *	7790 *	7194 *	6523 *	5571 *	4116 *	2101 *	662	275
-15.0	8337 *	8065 *	7620 *	7018 *	6329 *	5337 *	3831 *	1808 *	566	258
-17.0	8176 *	7864 *	7373 *	6786 *	6063 *	4945 *	3505 *	1570 *	473	240
-19.5	7641 *	7341 *	6806 *	6205 *	5503 *	4350 *	2917 *	1246 *	408	213
-22.5	6670 *	6343 *	5841 *	5222 *	4521 *	3471 *	2134 *	865	319	183
-25.5	5585 *	5251 *	4840 *	4209 *	3535 *	2567 *	1486 *	592	250	151
-29.0	4246 *	4008 *	3591 *	3047 *	2429 *	1675 *	838	362	184	120
-33.0	2832 *	2600 *	2260 *	1826 *	1366 *	823	409	207	132	91
-37.5	1634 *	1439 *	1175 *	854	587	351	203	131	92	67
-42.5	590	500	401	283	211	146	107	78	58	42
-47.5	120	103	89	79	65	56	45	35	27	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	29	12	7	2	0
55.0	59	23	8	3	0
47.5	88	34	9	3	0
42.5	105	41	11	3	0
37.5	120	48	12	4	0
33.0	130	53	12	4	0
29.0	139	57	13	4	0
25.5	146	59	13	4	0
22.5	152	61	13	4	0
19.5	157	62	13	4	0
17.0	160	63	13	3	0
15.0	163	63	13	3	0
13.0	165	63	13	3	0
11.0	167	63	13	3	0
9.0	168	63	13	3	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	168	62	12	3	0
5.0	168	61	12	3	0
3.0	169	61	12	3	0
1.0	167	59	11	3	0
0.0	166	58	11	3	0
-1.0	165	57	11	3	0
-3.0	162	55	11	3	0
-5.0	157	53	10	3	0
-7.0	153	51	10	3	0
-9.0	147	48	9	3	0
-11.0	142	45	9	3	0
-13.0	135	43	9	3	0
-15.0	128	40	8	3	0
-17.0	120	37	8	3	0
-19.5	110	33	7	3	0
-22.5	98	28	7	2	0
-25.5	84	23	6	2	0
-29.0	69	19	6	2	0
-33.0	53	14	5	2	0
-37.5	36	10	5	2	0
-42.5	19	8	4	2	0
-47.5	9	6	3	2	0
-55.0	4	3	2	1	0
-65.0	1	1	1	1	0
-75.0	1	1	1	1	0
-85.0	2	2	1	0	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 4934.01

Total Field Lumens (one side of beam only) = 4682.86

* 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	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.41	0.49
55	0.57	1.14	1.13	1.12	1.10	1.08	1.05	1.02	0.98	1.16
47.5	0.79	1.58	1.57	1.54	1.51	1.47	1.42	1.36	1.30	1.53
42.5	1.03	2.07	2.05	1.99	1.92	1.82	1.71	1.58	1.44	1.63
37.5	2.79 *	5.62 *	5.54 *	5.33 *	5.05 *	4.68 *	4.24 *	3.73 *	3.23 *	3.44 *
33	5.46 *	10.85 *	10.66 *	10.33 *	9.87 *	9.27 *	8.54 *	7.68 *	6.76 *	7.13 *
29	7.26 *	14.43 *	14.23 *	13.92 *	13.49 *	12.93 *	12.23 *	11.39 *	10.37 *	11.33 *
25.5	7.62 *	15.19 *	15.06 *	14.82 *	14.51 *	14.10 *	13.56 *	12.89 *	12.08 *	13.70 *
22.5	7.15 *	14.27 *	14.17 *	14.01 *	13.78 *	13.49 *	13.09 *	12.58 *	11.97 *	13.88 *
19.5	7.56 *	15.09 *	15.01 *	14.87 *	14.67 *	14.40 *	14.04 *	13.58 *	13.02 *	15.29 *
17	6.53 *	13.05 *	13.00 *	12.89 *	12.73 *	12.53 *	12.25 *	11.88 *	11.44 *	13.53 *
15	5.35 *	10.68 *	10.64 *	10.56 *	10.44 *	10.28 *	10.06 *	9.78 *	9.45 *	11.21 *
13	5.43 *	10.85 *	10.81 *	10.74 *	10.62 *	10.46 *	10.26 *	9.99 *	9.66 *	11.50 *
11	5.50 *	11.00 *	10.96 *	10.89 *	10.77 *	10.62 *	10.43 *	10.17 *	9.85 *	11.73 *
9	5.56 *	11.11 *	11.08 *	11.01 *	10.90 *	10.76 *	10.58 *	10.32 *	10.00 *	11.91 *
7	5.61 *	11.20 *	11.17 *	11.11 *	11.01 *	10.89 *	10.71 *	10.45 *	10.11 *	12.06 *
5	5.64 *	11.27 *	11.24 *	11.20 *	11.12 *	10.99 *	10.80 *	10.54 *	10.21 *	12.17 *
3	5.66 *	11.32 *	11.31 *	11.28 *	11.20 *	11.07 *	10.88 *	10.62 *	10.29 *	12.26 *
1	5.67 *	11.37 *	11.40 *	11.36 *	11.26 *	11.12 *	10.93 *	10.66 *	10.33 *	12.30 *
0	2.85 *	5.71 *	5.72 *	5.69 *	5.64 *	5.56 *	5.47 *	5.33 *	5.16 *	6.15 *
-1	2.85 *	5.71 *	5.72 *	5.69 *	5.64 *	5.56 *	5.47 *	5.33 *	5.16 *	6.15 *
	5.68 *	11.38 *	11.40 *	11.36 *	11.26 *	11.13 *	10.93 *	10.66 *	10.32 *	12.28 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	5.66 *	11.32 *	11.33 *	11.30 *	11.22 *	11.08 *	10.89 *	10.61 *	10.27 *	12.22 *
-5	5.65 *	11.28 *	11.27 *	11.23 *	11.15 *	11.02 *	10.83 *	10.55 *	10.20 *	12.12 *
-7	5.63 *	11.23 *	11.21 *	11.16 *	11.07 *	10.95 *	10.75 *	10.47 *	10.11 *	12.00 *
-9	5.60 *	11.17 *	11.13 *	11.07 *	10.99 *	10.85 *	10.65 *	10.37 *	9.99 *	11.85 *
-11	5.56 *	11.08 *	11.04 *	10.97 *	10.88 *	10.75 *	10.54 *	10.24 *	9.86 *	11.68 *
-13	5.50 *	10.98 *	10.93 *	10.86 *	10.76 *	10.62 *	10.40 *	10.09 *	9.69 *	11.46 *
-15	5.43 *	10.84 *	10.79 *	10.71 *	10.61 *	10.47 *	10.24 *	9.90 *	9.50 *	11.18 *
-17	6.67 *	13.30 *	13.22 *	13.05 *	12.86 *	12.67 *	12.37 *	11.90 *	11.35 *	13.28 *
-19.5	7.27 *	14.51 *	14.41 *	14.26 *	14.11 *	13.87 *	13.47 *	12.94 *	12.30 *	14.28 *
-22.5	6.24 *	12.48 *	12.43 *	12.35 *	12.19 *	11.87 *	11.49 *	11.07 *	10.47 *	12.08 *
-25.5	6.06 *	12.11 *	12.06 *	11.92 *	11.68 *	11.36 *	10.94 *	10.42 *	9.78 *	11.19 *
-29	5.30 *	10.56 *	10.46 *	10.26 *	10.00 *	9.66 *	9.19 *	8.62 *	8.01 *	9.01 *
-33	4.19 *	8.34 *	8.20 *	7.95 *	7.60 *	7.17 *	6.70 *	6.18 *	5.60 *	6.08 *
-37.5	2.60 *	5.17 *	5.05 *	4.87 *	4.64 *	4.33 *	3.94 *	3.50 *	3.05 *	3.18
-42.5	0.91	1.82	1.77	1.69	1.59	1.46	1.30	1.13	0.96	0.99
-47.5	0.18	0.37	0.36	0.35	0.34	0.33	0.31	0.28	0.25	0.27
-55	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-65	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-75	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total	181.32	362.11	360.15	356.32	350.79	343.30	333.27	320.41	305.11	355.92

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.01
85	0.18	0.17	0.18	0.18	0.18	0.17	0.14	0.16	0.14	0.07
75	0.55	0.50	0.53	0.53	0.51	0.46	0.35	0.36	0.24	0.09
65	1.30	1.20	1.26	1.26	1.19	1.06	0.80	0.79	0.47	0.13
55	1.69	1.54	1.60	1.58	1.48	1.31	0.99	0.98	0.58	0.14

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	1.73	1.50	1.50	1.43	1.32	1.15	0.86	0.86	0.51	0.12
42.5	3.26	2.49	2.22	1.92	1.64	1.37	1.01	1.00	0.60	0.15
37.5	6.61 *	4.74 *	3.70	2.63	1.91	1.46	1.03	1.00	0.60	0.15
33	11.02 *	8.21 *	6.36 *	4.10 *	2.43	1.57	1.02	0.97	0.58	0.14
29	14.05 *	11.14 *	9.19 *	6.11 *	3.30	1.73	1.00	0.91	0.53	0.13
25.5	14.75 *	12.31 *	10.83 *	7.72 *	4.17 *	1.89	0.96	0.83	0.48	0.11
22.5	16.58 *	14.30 *	13.26 *	10.11 *	5.74 *	2.48	1.07	0.87	0.49	0.12
19.5	14.86 *	13.08 *	12.55 *	10.11 *	6.11 *	2.64	0.99	0.76	0.42	0.10
17	12.38 *	11.02 *	10.80 *	9.05 *	5.73 *	2.50 *	0.88	0.63	0.34	0.08
15	12.74 *	11.40 *	11.31 *	9.75 *	6.42 *	2.89 *	0.98	0.65	0.35	0.08
13	13.04 *	11.72 *	11.71 *	10.29 *	7.05 *	3.29 *	1.07	0.67	0.35	0.08
11	13.26 *	11.97 *	12.03 *	10.72 *	7.56 *	3.63 *	1.15	0.69	0.35	0.08
9	13.43 *	12.13 *	12.28 *	11.07 *	7.98 *	3.91 *	1.22	0.70	0.35	0.08
7	13.56 *	12.26 *	12.44 *	11.33 *	8.31 *	4.14 *	1.27	0.71	0.35	0.08
5	13.65 *	12.34 *	12.54 *	11.49 *	8.53 *	4.30 *	1.32	0.71	0.35	0.08
3	13.70 *	12.37 *	12.57 *	11.57 *	8.66 *	4.40 *	1.34	0.72	0.35	0.07
1	6.85 *	6.18 *	6.28 *	5.79 *	4.35 *	2.21 *	0.67	0.36	0.17	0.04
0	6.84 *	6.18 *	6.28 *	5.79 *	4.35 *	2.21 *	0.67	0.35	0.17	0.04
-1	13.67 *	12.35 *	12.55 *	11.55 *	8.67 *	4.42 *	1.34	0.70	0.33	0.07
-3	13.59 *	12.28 *	12.49 *	11.46 *	8.56 *	4.34 *	1.32	0.69	0.32	0.07
-5	13.47 *	12.17 *	12.37 *	11.31 *	8.36 *	4.20 *	1.27	0.67	0.31	0.06
-7	13.32 *	12.02 *	12.20 *	11.07 *	8.07 *	4.00 *	1.22	0.65	0.30	0.06
-9	13.13 *	11.83 *	11.96 *	10.74 *	7.68 *	3.74 *	1.15	0.63	0.29	0.06
-11	12.91 *	11.59 *	11.64 *	10.34 *	7.21 *	3.41 *	1.06	0.60	0.28	0.06
-13	12.63 *	11.30 *	11.26 *	9.84 *	6.63 *	3.00 *	0.95	0.57	0.26	0.05
-15	12.28 *	10.93 *	10.74 *	9.20 *	6.00 *	2.58 *	0.83	0.53	0.25	0.05
-17	14.49 *	12.81 *	12.36 *	10.26 *	6.46 *	2.70	0.90	0.61	0.29	0.06
-19.5	15.40 *	13.43 *	12.68 *	10.08 *	6.01 *	2.48	0.91	0.65	0.31	0.06

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	12.87 *	10.95 *	10.02 *	7.56 *	4.26 *	1.77	0.73	0.55	0.27	0.05
-25.5	11.71 *	9.66 *	8.46 *	6.00 *	3.21	1.42	0.66	0.53	0.26	0.05
-29	9.15 *	7.24 *	5.96 *	3.91	2.03	1.03	0.57	0.48	0.24	0.05
-33	5.87 *	4.35 *	3.33	2.10	1.20	0.74	0.46	0.40	0.19	0.04
-37.5	2.89	2.02	1.53	1.05	0.73	0.52	0.35	0.29	0.14	0.04
-42.5	0.91	0.67	0.57	0.46	0.37	0.29	0.20	0.16	0.08	0.03
-47.5	0.28	0.24	0.23	0.21	0.19	0.16	0.11	0.10	0.06	0.03
-55	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.02
-65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
-75	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Total	384.68	334.64	321.86	271.77	184.65	91.66	34.91	24.59	13.05	3.06

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.54
85				
	0.02	0.00		2.86
75				
	0.02	0.00		8.32
65				
	0.03	0.00		19.83
55				
	0.02	0.00		25.97
47.5				
	0.02	0.00		28.21
42.5				
	0.02	0.00		59.32
37.5				
	0.02	0.00		110.39
33				
	0.02	0.00		157.99
29				
	0.02	0.00		181.64
25.5				
	0.01	0.00		182.43
22.5				
	0.01	0.00		202.58
19.5				
	0.01	0.00		181.46
17				
	0.01	0.00		151.86

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

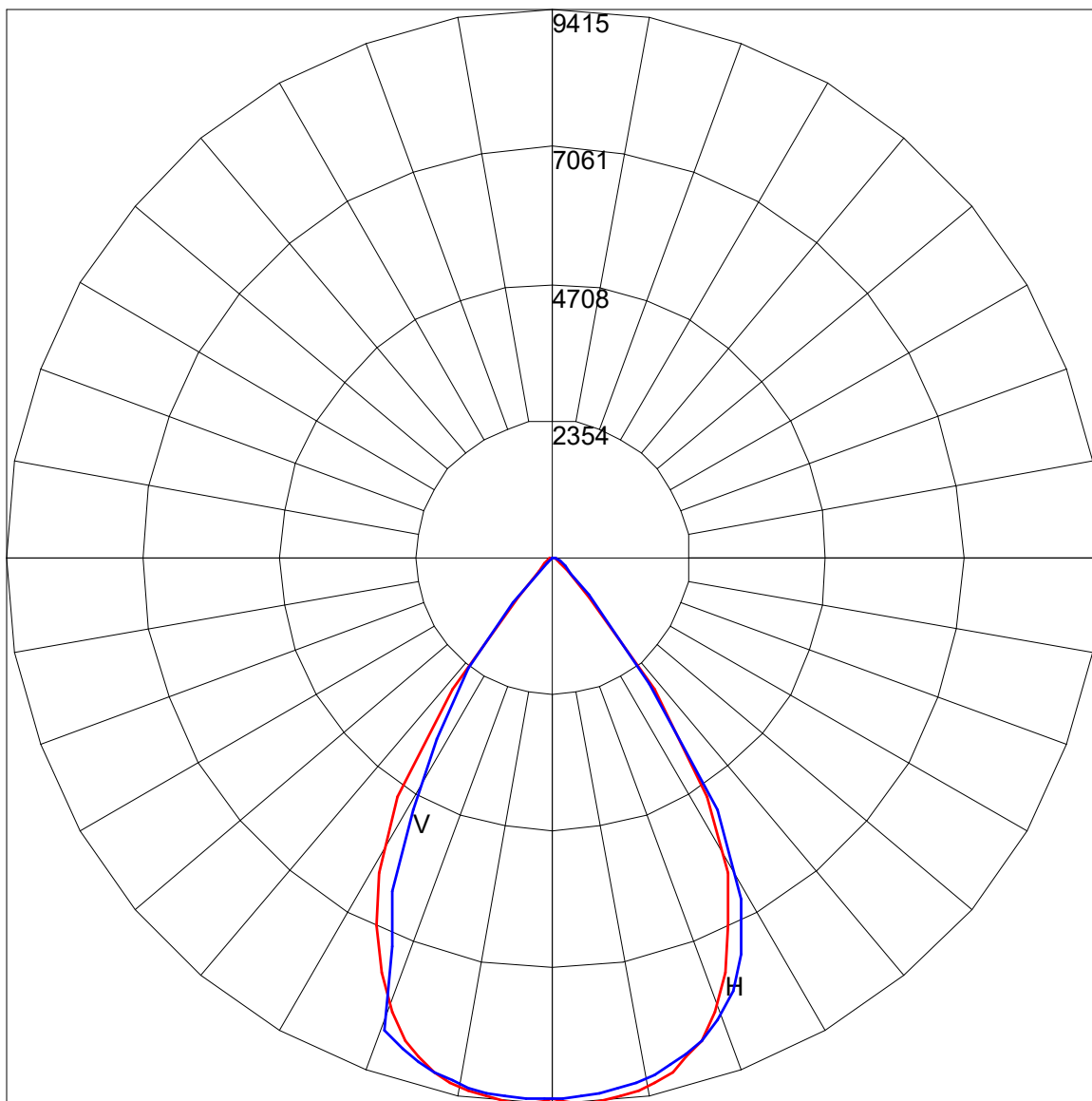
15	0.01	0.00	156.90
13	0.01	0.00	161.19
11	0.01	0.00	164.69
9	0.01	0.00	167.47
7	0.01	0.00	169.63
5	0.01	0.00	171.21
3	0.01	0.00	172.16
1	0.00	0.00	86.18
0	0.00	0.00	86.16
-1	0.01	0.00	172.05
-3	0.01	0.00	171.05
-5	0.01	0.00	169.52
-7	0.01	0.00	167.49
-9	0.01	0.00	164.89
-11	0.01	0.00	161.68
-13	0.01	0.00	157.78
-15	0.01	0.00	153.06
-17	0.01	0.00	181.59
-19.5	0.01	0.00	193.43
-22.5	0.01	0.00	161.70
-25.5	0.01	0.00	149.49
-29	0.01	0.00	121.73
-33	0.01	0.00	86.69
-37.5	0.01	0.00	49.90
-42.5	0.01	0.00	17.36
-47.5	0.01	0.00	4.66
-55	0.01	0.00	0.35
-65	0.01	0.00	0.17

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

LUMENS TABULATION - (Cont.)

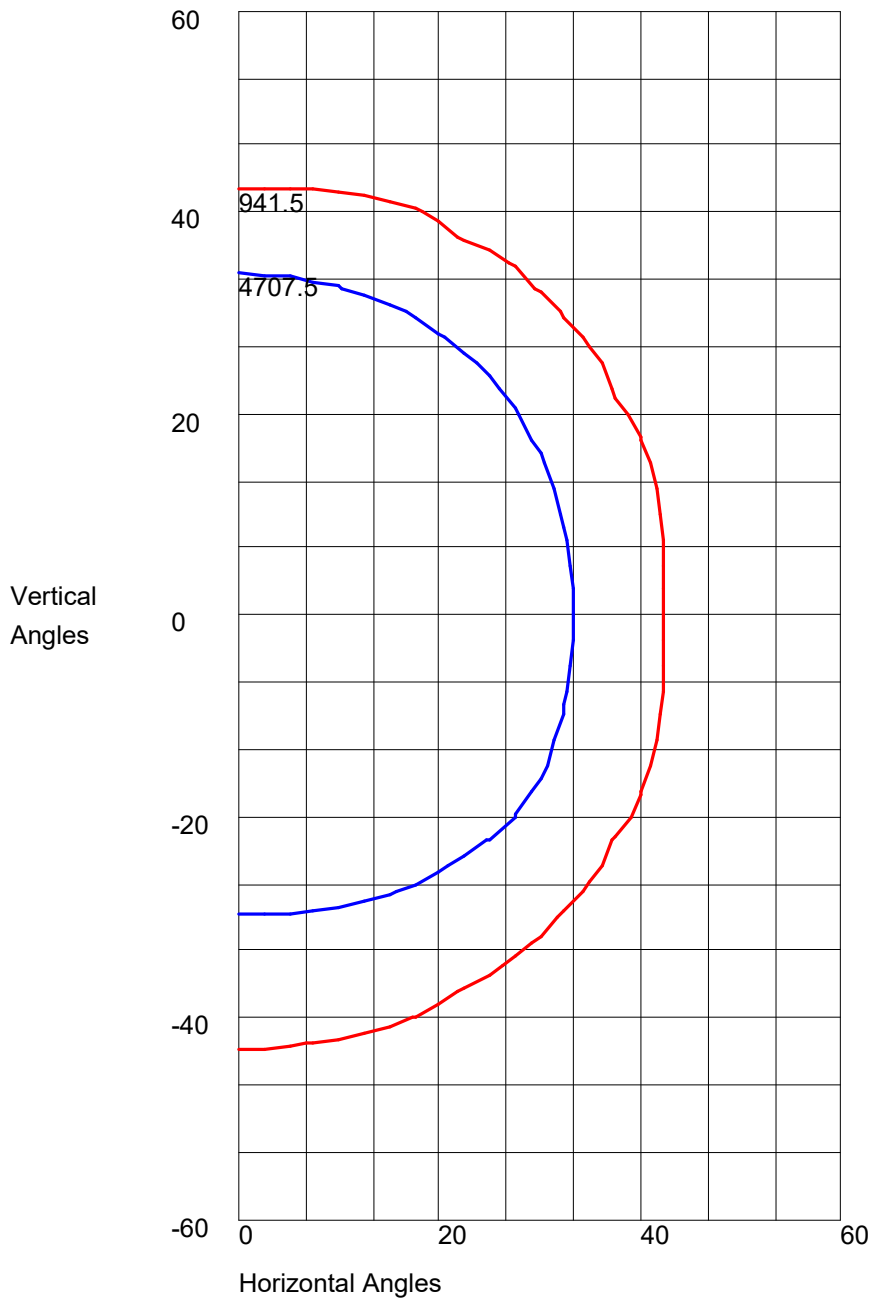
-75	0.00	0.00	0.30
-85	0.00	0.00	0.11
-90			
Total	0.43	0.01	4934.02

AXIAL CANDELA DISPLAY



Maximum Candela = 9415 Located At Horizontal Angle =-3, Vertical Angle =-1
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 9415 Located At Horizontal Angle =-3, Vertical Angle =-1
50% Maximum Candela = 4707.5
10% Maximum Candela = 941.5