



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12613
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/30/21
[TEST DATE] 03/16/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-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	13551
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	10955
Beam Efficiency	N.A.
Field Lumens	13479
Field Efficiency	N.A.
Spill Lumens	723
Luminaire Lumens	14202
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	5	85	22
75	16	75	39
65	83	65	175
55	238	55	366
47.5	477	47.5	631
42.5	1317	42.5	1306
37.5	4139	37.5	3954
33	7043	33	7506
29	8914	29	9665
25.5	10144	25.5	10897
22.5	11142	22.5	11635
19.5	11934	19.5	12172
17	12521	17	12519
15	12830	15	12746
13	13112	13	12926
11	13280	11	13076
9	13391	9	13196
7	13475	7	13287
5	13530	5	13351
3	13551	3	13369
1	13488	1	13415
0	13442	0	13442
-1	13488	-1	13429
-3	13551	-3	13407
-5	13530	-5	13395
-7	13475	-7	13357
-9	13391	-9	13295
-11	13280	-11	13201
-13	13112	-13	13079
-15	12830	-15	12937
-17	12521	-17	12753
-19.5	11934	-19.5	12465
-22.5	11142	-22.5	10460
-25.5	10144	-25.5	9191
-29	8914	-29	7153
-33	7043	-33	5351
-37.5	4139	-37.5	3432
-42.5	1317	-42.5	1489
-47.5	477	-47.5	230
-55	238	-55	2
-65	83	-65	1
-75	16	-75	1
-85	5	-85	3
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 13551

Beam Edge = 6775.5 Cd (50% of Max.)

Field Edge = 1355.1 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	4	9	13	15	16	17	19	19
75.0	0	3	9	13	17	20	25	28	29	33
65.0	0	4	11	17	42	65	79	95	107	121
55.0	0	5	12	33	86	128	158	192	219	244
47.5	0	5	14	49	126	187	232	283	326	370
42.5	0	5	15	59	151	225	277	341	409	479
37.5	0	5	16	68	172	255	321	409	527	701
33.0	0	5	17	76	188	281	366	503	744	1255
29.0	0	5	18	82	200	306	416	657	1217	2437 *
25.5	0	5	18	85	210	327	478	897	2075 *	3893 *
22.5	0	5	18	87	218	352	546	1191	2987 *	5231 *
19.5	0	5	18	90	225	373	642	1701 *	3959 *	6409 *
17.0	0	5	18	91	231	392	717	2151 *	4762 *	7168 *
15.0	0	5	18	91	235	411	826	2474 *	5338 *	7676 *
13.0	0	5	18	91	238	429	942	2882 *	5827 *	8025 *
11.0	0	5	18	91	240	444	1044	3240 *	6187 *	8321 *
9.0	0	5	18	91	242	457	1130	3542 *	6481 *	8564 *
7.0	0	5	17	90	243	468	1201	3784 *	6723 *	8745 *
5.0	0	5	17	88	242	475	1255	3965 *	6896 *	8858 *
3.0	0	5	17	87	242	481	1313	4083 *	7002 *	8920 *
1.0	0	5	16	84	239	478	1316	4143 *	7045 *	8929 *
0.0	0	5	16	83	238	477	1317	4139 *	7043 *	8914 *
-1.0	0	5	16	82	236	476	1319	4152 *	7043 *	8916 *
-3.0	0	5	15	79	232	473	1324	4109 *	6996 *	8884 *
-5.0	0	5	15	76	226	461	1272	4011 *	6900 *	8822 *
-7.0	0	5	14	72	219	449	1225	3853 *	6740 *	8714 *
-9.0	0	5	14	69	212	434	1157	3636 *	6514 *	8542 *
-11.0	0	5	13	65	203	416	1066	3362 *	6242 *	8305 *
-13.0	0	4	13	61	194	395	954	3023 *	5924 *	8017 *
-15.0	0	4	12	57	184	371	816	2601 *	5514 *	7680 *
-17.0	0	4	12	53	174	345	682	2258 *	5044 *	7117 *
-19.5	0	4	11	47	159	306	588	1792 *	4198 *	6261 *
-22.5	0	4	10	41	141	263	460	1245	3071 *	4996 *
-25.5	0	4	10	34	121	216	360	853	2139 *	3694 *
-29.0	0	4	9	28	99	173	264	521	1207	2410 *
-33.0	0	3	8	21	76	131	190	297	589	1185
-37.5	0	3	7	15	52	98	132	188	293	506
-42.5	0	3	6	11	26	60	85	113	154	211
-47.5	0	3	5	8	13	27	40	51	66	81
-55.0	0	2	3	5	5	6	7	6	7	5
-65.0	0	2	2	2	1	1	1	1	1	1
-75.0	0	1	2	2	1	1	1	1	1	1
-85.0	0	0	1	3	3	3	4	3	4	4
-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	20	20	20	21	21	21	21	22	22	22
75.0	36	38	40	41	41	41	41	41	40	40
65.0	132	141	151	157	162	165	168	170	172	174
55.0	267	285	302	317	328	338	347	353	358	361
47.5	411	447	486	515	539	561	581	598	612	622
42.5	560	646	755	834	932	1035	1123	1195	1251	1293
37.5	964	1265	1736 *	2147 *	2443 *	2844 *	3191 *	3480 *	3710 *	3879 *
33.0	2075 *	2963 *	3948 *	4775 *	5393 *	5935 *	6371 *	6724 *	7008 *	7220 *
29.0	3888 *	5222 *	6462 *	7355 *	7972 *	8424 *	8801 *	9115 *	9337 *	9503 *
25.5	5723 *	7121 *	8284 *	9064 *	9543 *	9932 *	10266 *	10473 *	10635 *	10769 *
22.5	7080 *	8370 *	9395 *	10084 *	10515 *	10834 *	11106 *	11294 *	11433 *	11532 *
19.5	8132 *	9296 *	10244 *	10843 *	11214 *	11519 *	11757 *	11914 *	12027 *	12115 *
17.0	8787 *	9858 *	10713 *	11287 *	11639 *	11913 *	12136 *	12279 *	12388 *	12465 *
15.0	9169 *	10194 *	11023 *	11603 *	11903 *	12182 *	12372 *	12521 *	12620 *	12688 *
13.0	9476 *	10474 *	11299 *	11842 *	12157 *	12409 *	12593 *	12719 *	12819 *	12877 *
11.0	9743 *	10722 *	11497 *	12050 *	12353 *	12605 *	12770 *	12891 *	12980 *	13036 *
9.0	9924 *	10871 *	11659 *	12211 *	12519 *	12780 *	12941 *	13040 *	13114 *	13167 *
7.0	10054 *	10994 *	11791 *	12329 *	12646 *	12918 *	13076 *	13176 *	13228 *	13266 *
5.0	10141 *	11091 *	11871 *	12452 *	12764 *	13012 *	13183 *	13287 *	13352 *	13351 *
3.0	10174 *	11155 *	11938 *	12529 *	12833 *	13092 *	13267 *	13370 *	13442 *	13467 *
1.0	10165 *	11170 *	11952 *	12542 *	12855 *	13129 *	13305 *	13417 *	13497 *	13548 *
0.0	10144 *	11142 *	11934 *	12521 *	12830 *	13112 *	13280 *	13391 *	13475 *	13530 *
-1.0	10162 *	11151 *	11943 *	12532 *	12852 *	13132 *	13308 *	13419 *	13497 *	13546 *
-3.0	10151 *	11108 *	11909 *	12501 *	12815 *	13090 *	13272 *	13377 *	13454 *	13469 *
-5.0	10078 *	11020 *	11819 *	12414 *	12748 *	13020 *	13217 *	13316 *	13370 *	13383 *
-7.0	9964 *	10896 *	11714 *	12301 *	12667 *	12946 *	13129 *	13229 *	13287 *	13312 *
-9.0	9829 *	10750 *	11578 *	12161 *	12556 *	12833 *	13025 *	13132 *	13193 *	13222 *
-11.0	9648 *	10560 *	11428 *	12018 *	12387 *	12700 *	12906 *	13014 *	13082 *	13112 *
-13.0	9388 *	10354 *	11212 *	11816 *	12226 *	12547 *	12762 *	12880 *	12947 *	12994 *
-15.0	9108 *	10100 *	10967 *	11607 *	11999 *	12353 *	12589 *	12718 *	12783 *	12847 *
-17.0	8726 *	9766 *	10612 *	11318 *	11767 *	12112 *	12399 *	12516 *	12597 *	12662 *
-19.5	7921 *	8931 *	9794 *	10566 *	10998 *	11482 *	11796 *	11922 *	12035 *	12316 *
-22.5	6508 *	7516 *	8405 *	9129 *	9600 *	9914 *	10189 *	10453 *	10469 *	10359 *
-25.5	5087 *	6058 *	6966 *	7557 *	8037 *	8371 *	8538 *	8789 *	9049 *	9227 *
-29.0	3494 *	4385 *	5169 *	5768 *	6111 *	6472 *	6823 *	6984 *	7011 *	7072 *
-33.0	1966 *	2627 *	3252 *	3742 *	4076 *	4338 *	4563 *	4803 *	5049 *	5240 *
-37.5	845	1228	1691 *	2071 *	2352 *	2617 *	2856 *	3062 *	3197 *	3299 *
-42.5	304	407	578	720	849	995	1137	1255	1346	1415 *
-47.5	94	114	127	148	172	189	200	212	220	224
-55.0	6	5	4	4	4	3	3	3	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	4	4	4	4	4	4	4	4	4	4
-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	22	22	22	22	22	22	22	22	21	21
75.0	40	39	39	39	40	40	40	41	41	41
65.0	175	175	175	175	175	174	172	170	168	165

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CANDELA TABULATION - (Cont.)

55.0	365	366	366	366	365	361	358	353	347	338
47.5	632	631	631	631	632	622	612	598	581	561
42.5	1334	1315	1306	1315	1334	1293	1251	1195	1123	1035
37.5	3987 *	3988 *	3954 *	3988 *	3987 *	3879 *	3710 *	3480 *	3191 *	2844 *
33.0	7358 *	7473 *	7506 *	7473 *	7358 *	7220 *	7008 *	6724 *	6371 *	5935 *
29.0	9619 *	9665 *	9665 *	9665 *	9619 *	9503 *	9337 *	9115 *	8801 *	8424 *
25.5	10857 *	10895 *	10897 *	10895 *	10857 *	10769 *	10635 *	10473 *	10266 *	9932 *
22.5	11601 *	11638 *	11635 *	11638 *	11601 *	11532 *	11433 *	11294 *	11106 *	10834 *
19.5	12155 *	12169 *	12172 *	12169 *	12155 *	12115 *	12027 *	11914 *	11757 *	11519 *
17.0	12505 *	12516 *	12519 *	12516 *	12505 *	12465 *	12388 *	12279 *	12136 *	11913 *
15.0	12729 *	12746 *	12746 *	12746 *	12729 *	12688 *	12620 *	12521 *	12372 *	12182 *
13.0	12915 *	12929 *	12926 *	12929 *	12915 *	12877 *	12819 *	12719 *	12593 *	12409 *
11.0	13068 *	13080 *	13076 *	13080 *	13068 *	13036 *	12980 *	12891 *	12770 *	12605 *
9.0	13193 *	13200 *	13196 *	13200 *	13193 *	13167 *	13114 *	13040 *	12941 *	12780 *
7.0	13287 *	13291 *	13287 *	13291 *	13287 *	13266 *	13228 *	13176 *	13076 *	12918 *
5.0	13354 *	13353 *	13351 *	13353 *	13354 *	13351 *	13352 *	13287 *	13183 *	13012 *
3.0	13414 *	13377 *	13369 *	13377 *	13414 *	13467 *	13442 *	13370 *	13267 *	13092 *
1.0	13548 *	13435 *	13415 *	13435 *	13548 *	13548 *	13497 *	13417 *	13305 *	13129 *
0.0	13551 *	13488 *	13442 *	13488 *	13551 *	13530 *	13475 *	13391 *	13280 *	13112 *
-1.0	13549 *	13444 *	13429 *	13444 *	13549 *	13546 *	13497 *	13419 *	13308 *	13132 *
-3.0	13431 *	13370 *	13407 *	13370 *	13431 *	13469 *	13454 *	13377 *	13272 *	13090 *
-5.0	13366 *	13359 *	13395 *	13359 *	13366 *	13383 *	13370 *	13316 *	13217 *	13020 *
-7.0	13303 *	13317 *	13357 *	13317 *	13303 *	13312 *	13287 *	13229 *	13129 *	12946 *
-9.0	13239 *	13253 *	13295 *	13253 *	13239 *	13222 *	13193 *	13132 *	13025 *	12833 *
-11.0	13150 *	13162 *	13201 *	13162 *	13150 *	13112 *	13082 *	13014 *	12906 *	12700 *
-13.0	13034 *	13049 *	13079 *	13049 *	13034 *	12994 *	12947 *	12880 *	12762 *	12547 *
-15.0	12890 *	12914 *	12937 *	12914 *	12890 *	12847 *	12783 *	12718 *	12589 *	12353 *
-17.0	12704 *	12730 *	12753 *	12730 *	12704 *	12662 *	12597 *	12516 *	12399 *	12112 *
-19.5	12419 *	12446 *	12465 *	12446 *	12419 *	12316 *	12035 *	11922 *	11796 *	11482 *
-22.5	10400 *	10455 *	10460 *	10455 *	10400 *	10359 *	10469 *	10453 *	10189 *	9914 *
-25.5	9253 *	9219 *	9191 *	9219 *	9253 *	9227 *	9049 *	8789 *	8538 *	8371 *
-29.0	7100 *	7146 *	7153 *	7146 *	7100 *	7072 *	7011 *	6984 *	6823 *	6472 *
-33.0	5356 *	5371 *	5351 *	5371 *	5356 *	5240 *	5049 *	4803 *	4563 *	4338 *
-37.5	3367 *	3423 *	3432 *	3423 *	3367 *	3299 *	3197 *	3062 *	2856 *	2617 *
-42.5	1492 *	1490 *	1489 *	1490 *	1492 *	1415 *	1346	1255	1137	995
-47.5	231	230	230	230	231	224	220	212	200	189
-55.0	2	2	2	2	2	2	2	3	3	3
-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	4	3	3	3	4	4	4	4	4	4
-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	21	21	20	20	20	19	19	17	16	15
75.0	41	41	40	38	36	33	29	28	25	20
65.0	162	157	151	141	132	121	107	95	79	65
55.0	328	317	302	285	267	244	219	192	158	128
47.5	539	515	486	447	411	370	326	283	232	187
42.5	932	834	755	646	560	479	409	341	277	225
37.5	2443 *	2147 *	1736 *	1265	964	701	527	409	321	255
33.0	5393 *	4775 *	3948 *	2963 *	2075 *	1255	744	503	366	281
29.0	7972 *	7355 *	6462 *	5222 *	3888 *	2437 *	1217	657	416	306
25.5	9543 *	9064 *	8284 *	7121 *	5723 *	3893 *	2075 *	897	478	327

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CANDELA TABULATION - (Cont.)

22.5	10515 *	10084 *	9395 *	8370 *	7080 *	5231 *	2987 *	1191	546	352
19.5	11214 *	10843 *	10244 *	9296 *	8132 *	6409 *	3959 *	1701 *	642	373
17.0	11639 *	11287 *	10713 *	9858 *	8787 *	7168 *	4762 *	2151 *	717	392
15.0	11903 *	11603 *	11023 *	10194 *	9169 *	7676 *	5338 *	2474 *	826	411
13.0	12157 *	11842 *	11299 *	10474 *	9476 *	8025 *	5827 *	2882 *	942	429
11.0	12353 *	12050 *	11497 *	10722 *	9743 *	8321 *	6187 *	3240 *	1044	444
9.0	12519 *	12211 *	11659 *	10871 *	9924 *	8564 *	6481 *	3542 *	1130	457
7.0	12646 *	12329 *	11791 *	10994 *	10054 *	8745 *	6723 *	3784 *	1201	468
5.0	12764 *	12452 *	11871 *	11091 *	10141 *	8858 *	6896 *	3965 *	1255	475
3.0	12833 *	12529 *	11938 *	11155 *	10174 *	8920 *	7002 *	4083 *	1313	481
1.0	12855 *	12542 *	11952 *	11170 *	10165 *	8929 *	7045 *	4143 *	1316	478
0.0	12830 *	12521 *	11934 *	11142 *	10144 *	8914 *	7043 *	4139 *	1317	477
-1.0	12852 *	12532 *	11943 *	11151 *	10162 *	8916 *	7043 *	4152 *	1319	476
-3.0	12815 *	12501 *	11909 *	11108 *	10151 *	8884 *	6996 *	4109 *	1324	473
-5.0	12748 *	12414 *	11819 *	11020 *	10078 *	8822 *	6900 *	4011 *	1272	461
-7.0	12667 *	12301 *	11714 *	10896 *	9964 *	8714 *	6740 *	3853 *	1225	449
-9.0	12556 *	12161 *	11578 *	10750 *	9829 *	8542 *	6514 *	3636 *	1157	434
-11.0	12387 *	12018 *	11428 *	10560 *	9648 *	8305 *	6242 *	3362 *	1066	416
-13.0	12226 *	11816 *	11212 *	10354 *	9388 *	8017 *	5924 *	3023 *	954	395
-15.0	11999 *	11607 *	10967 *	10100 *	9108 *	7680 *	5514 *	2601 *	816	371
-17.0	11767 *	11318 *	10612 *	9766 *	8726 *	7117 *	5044 *	2258 *	682	345
-19.5	10998 *	10566 *	9794 *	8931 *	7921 *	6261 *	4198 *	1792 *	588	306
-22.5	9600 *	9129 *	8405 *	7516 *	6508 *	4996 *	3071 *	1245	460	263
-25.5	8037 *	7557 *	6966 *	6058 *	5087 *	3694 *	2139 *	853	360	216
-29.0	6111 *	5768 *	5169 *	4385 *	3494 *	2410 *	1207	521	264	173
-33.0	4076 *	3742 *	3252 *	2627 *	1966 *	1185	589	297	190	131
-37.5	2352 *	2071 *	1691 *	1228	845	506	293	188	132	98
-42.5	849	720	578	407	304	211	154	113	85	60
-47.5	172	148	127	114	94	81	66	51	40	27
-55.0	4	4	4	5	6	5	7	6	7	6
-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	4	4	4	4	4	4	4	3	4	3
-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	13	9	4	1	0
75.0	17	13	9	3	0
65.0	42	17	11	4	0
55.0	86	33	12	5	0
47.5	126	49	14	5	0
42.5	151	59	15	5	0
37.5	172	68	16	5	0
33.0	188	76	17	5	0
29.0	200	82	18	5	0
25.5	210	85	18	5	0
22.5	218	87	18	5	0
19.5	225	90	18	5	0
17.0	231	91	18	5	0
15.0	235	91	18	5	0
13.0	238	91	18	5	0
11.0	240	91	18	5	0
9.0	242	91	18	5	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	243	90	17	5	0
5.0	242	88	17	5	0
3.0	242	87	17	5	0
1.0	239	84	16	5	0
0.0	238	83	16	5	0
-1.0	236	82	16	5	0
-3.0	232	79	15	5	0
-5.0	226	76	15	5	0
-7.0	219	72	14	5	0
-9.0	212	69	14	5	0
-11.0	203	65	13	5	0
-13.0	194	61	13	4	0
-15.0	184	57	12	4	0
-17.0	174	53	12	4	0
-19.5	159	47	11	4	0
-22.5	141	41	10	4	0
-25.5	121	34	10	4	0
-29.0	99	28	9	4	0
-33.0	76	21	8	3	0
-37.5	52	15	7	3	0
-42.5	26	11	6	3	0
-47.5	13	8	5	3	0
-55.0	5	5	3	2	0
-65.0	1	2	2	2	0
-75.0	1	2	2	1	0
-85.0	3	3	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7100.93

Total Field Lumens (one side of beam only) = 6739.51

* 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	0.04
75	0.09	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.22
65	0.33	0.65	0.65	0.65	0.64	0.63	0.62	0.62	0.60	0.70
55	0.82	1.65	1.63	1.61	1.59	1.56	1.52	1.47	1.41	1.68
47.5	1.14	2.28	2.26	2.22	2.17	2.11	2.04	1.96	1.87	2.20
42.5	1.48	2.98	2.95	2.86	2.76	2.62	2.46	2.27	2.06	2.34
37.5	4.02 *	8.09 *	7.97 *	7.67 *	7.27 *	6.74 *	6.10 *	5.36 *	4.65 *	4.95 *
33	7.85 *	15.62 *	15.34 *	14.87 *	14.20 *	13.34 *	12.30 *	11.05 *	9.72 *	10.26 *
29	10.45 *	20.77 *	20.48 *	20.03 *	19.42 *	18.61 *	17.60 *	16.39 *	14.93 *	16.30 *
25.5	10.96 *	21.86 *	21.67 *	21.33 *	20.88 *	20.29 *	19.51 *	18.55 *	17.39 *	19.72 *
22.5	10.30 *	20.54 *	20.40 *	20.16 *	19.83 *	19.41 *	18.83 *	18.10 *	17.22 *	19.97 *
19.5	10.88 *	21.72 *	21.61 *	21.41 *	21.12 *	20.73 *	20.21 *	19.54 *	18.73 *	22.00 *
17	9.40 *	18.78 *	18.70 *	18.55 *	18.33 *	18.03 *	17.63 *	17.10 *	16.46 *	19.47 *
15	7.70 *	15.37 *	15.31 *	15.20 *	15.02 *	14.79 *	14.48 *	14.08 *	13.60 *	16.14 *
13	7.82 *	15.62 *	15.56 *	15.45 *	15.29 *	15.06 *	14.76 *	14.38 *	13.91 *	16.55 *
11	7.92 *	15.83 *	15.77 *	15.67 *	15.51 *	15.29 *	15.01 *	14.64 *	14.17 *	16.88 *
9	8.00 *	15.99 *	15.94 *	15.84 *	15.69 *	15.49 *	15.22 *	14.85 *	14.39 *	17.15 *
7	8.07 *	16.13 *	16.08 *	15.99 *	15.85 *	15.67 *	15.41 *	15.03 *	14.55 *	17.35 *
5	8.11 *	16.22 *	16.18 *	16.12 *	16.00 *	15.82 *	15.55 *	15.17 *	14.70 *	17.52 *
3	8.14 *	16.29 *	16.28 *	16.24 *	16.12 *	15.93 *	15.66 *	15.28 *	14.81 *	17.64 *
1	8.16 *	16.37 *	16.40 *	16.34 *	16.21 *	16.01 *	15.73 *	15.34 *	14.86 *	17.70 *
0	4.10 *	8.22 *	8.23 *	8.19 *	8.11 *	8.01 *	7.87 *	7.67 *	7.43 *	8.85 *
-1	4.10 *	8.22 *	8.23 *	8.19 *	8.11 *	8.01 *	7.87 *	7.67 *	7.43 *	8.85 *
	8.17 *	16.38 *	16.41 *	16.35 *	16.21 *	16.01 *	15.73 *	15.34 *	14.85 *	17.68 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	8.15 *	16.29 *	16.30 *	16.26 *	16.14 *	15.95 *	15.67 *	15.27 *	14.78 *	17.59 *
-5	8.14 *	16.24 *	16.22 *	16.16 *	16.05 *	15.87 *	15.59 *	15.19 *	14.68 *	17.45 *
-7	8.11 *	16.17 *	16.13 *	16.06 *	15.94 *	15.75 *	15.47 *	15.07 *	14.55 *	17.27 *
-9	8.06 *	16.07 *	16.02 *	15.94 *	15.81 *	15.62 *	15.33 *	14.92 *	14.38 *	17.06 *
-11	7.99 *	15.95 *	15.89 *	15.79 *	15.66 *	15.47 *	15.17 *	14.74 *	14.19 *	16.80 *
-13	7.92 *	15.80 *	15.73 *	15.62 *	15.48 *	15.28 *	14.97 *	14.52 *	13.95 *	16.49 *
-15	7.82 *	15.60 *	15.53 *	15.42 *	15.27 *	15.07 *	14.73 *	14.25 *	13.67 *	16.09 *
-17	9.59 *	19.14 *	19.03 *	18.79 *	18.50 *	18.24 *	17.80 *	17.13 *	16.34 *	19.11 *
-19.5	10.47 *	20.88 *	20.74 *	20.53 *	20.31 *	19.96 *	19.39 *	18.62 *	17.70 *	20.55 *
-22.5	8.98 *	17.96 *	17.88 *	17.77 *	17.54 *	17.08 *	16.54 *	15.93 *	15.07 *	17.39 *
-25.5	8.72 *	17.43 *	17.36 *	17.15 *	16.80 *	16.34 *	15.75 *	14.99 *	14.08 *	16.11 *
-29	7.62 *	15.20 *	15.05 *	14.77 *	14.39 *	13.90 *	13.23 *	12.41 *	11.53 *	12.97 *
-33	6.02 *	12.00 *	11.80 *	11.44 *	10.93 *	10.32 *	9.64 *	8.90 *	8.06 *	8.75 *
-37.5	3.74 *	7.44 *	7.27 *	7.01 *	6.68 *	6.23 *	5.66 *	5.03 *	4.39 *	4.57
-42.5	1.31	2.62	2.55	2.43	2.29	2.10	1.88	1.63	1.38	1.42
-47.5	0.27	0.53	0.52	0.51	0.49	0.47	0.44	0.41	0.36	0.38
-55	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
-65	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-75	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	260.95	521.14	518.34	512.84	504.87	494.07	479.62	461.11	439.10	512.21

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	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.02
85	0.25	0.24	0.26	0.26	0.26	0.25	0.20	0.23	0.20	0.09
75	0.79	0.72	0.76	0.76	0.72	0.66	0.51	0.51	0.34	0.13
65	1.87	1.72	1.81	1.80	1.72	1.53	1.16	1.15	0.68	0.19
55	2.43	2.21	2.30	2.27	2.14	1.89	1.42	1.41	0.84	0.21

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	2.49	2.15	2.16	2.07	1.90	1.65	1.24	1.23	0.73	0.18
42.5										
	4.69	3.58	3.20	2.76	2.36	1.97	1.45	1.43	0.86	0.21
37.5										
	9.51 *	6.82 *	5.33	3.79	2.75	2.10	1.48	1.44	0.86	0.21
33										
	15.86 *	11.81 *	9.15 *	5.90 *	3.49	2.27	1.47	1.39	0.83	0.20
29										
	20.22 *	16.04 *	13.22 *	8.79 *	4.75	2.50	1.44	1.30	0.77	0.18
25.5										
	21.22 *	17.71 *	15.58 *	11.11 *	6.00 *	2.72	1.38	1.19	0.68	0.16
22.5										
	23.87 *	20.58 *	19.09 *	14.56 *	8.26 *	3.57	1.54	1.25	0.71	0.17
19.5										
	21.39 *	18.82 *	18.06 *	14.55 *	8.79 *	3.80	1.43	1.09	0.61	0.14
17										
	17.82 *	15.86 *	15.54 *	13.02 *	8.24 *	3.60 *	1.26	0.91	0.49	0.11
15										
	18.34 *	16.41 *	16.27 *	14.03 *	9.24 *	4.15 *	1.40	0.94	0.50	0.11
13										
	18.76 *	16.87 *	16.85 *	14.81 *	10.15 *	4.73 *	1.54	0.97	0.50	0.11
11										
	19.09 *	17.22 *	17.32 *	15.43 *	10.88 *	5.22 *	1.66	0.99	0.51	0.11
9										
	19.33 *	17.46 *	17.67 *	15.93 *	11.49 *	5.63 *	1.75	1.01	0.51	0.11
7										
	19.51 *	17.65 *	17.91 *	16.30 *	11.96 *	5.95 *	1.83	1.02	0.50	0.11
5										
	19.64 *	17.76 *	18.05 *	16.54 *	12.28 *	6.19 *	1.90	1.03	0.50	0.11
3										
	19.71 *	17.81 *	18.10 *	16.65 *	12.46 *	6.33 *	1.93	1.03	0.50	0.11
1										
	9.85 *	8.89 *	9.04 *	8.34 *	6.26 *	3.18 *	0.97	0.51	0.24	0.05
0										
	9.85 *	8.89 *	9.04 *	8.33 *	6.26 *	3.19 *	0.97	0.51	0.24	0.05
-1										
	19.67 *	17.77 *	18.06 *	16.62 *	12.48 *	6.36 *	1.93	1.01	0.48	0.10
-3										
	19.56 *	17.68 *	17.98 *	16.50 *	12.32 *	6.25 *	1.90	0.99	0.47	0.10
-5										
	19.39 *	17.51 *	17.81 *	16.28 *	12.03 *	6.04 *	1.83	0.97	0.45	0.09
-7										
	19.17 *	17.30 *	17.56 *	15.93 *	11.61 *	5.76 *	1.76	0.94	0.44	0.09
-9										
	18.90 *	17.02 *	17.21 *	15.46 *	11.05 *	5.38 *	1.65	0.90	0.42	0.08
-11										
	18.58 *	16.67 *	16.75 *	14.87 *	10.38 *	4.90 *	1.52	0.86	0.40	0.08
-13										
	18.18 *	16.26 *	16.20 *	14.17 *	9.55 *	4.31 *	1.37	0.82	0.38	0.07
-15										
	17.68 *	15.74 *	15.46 *	13.24 *	8.63 *	3.71 *	1.19	0.77	0.36	0.07
-17										
	20.85 *	18.44 *	17.78 *	14.76 *	9.30 *	3.88	1.29	0.88	0.41	0.08
-19.5										
	22.17 *	19.33 *	18.26 *	14.51 *	8.65 *	3.57	1.31	0.93	0.44	0.09

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	18.52 *	15.76 *	14.42 *	10.89 *	6.13 *	2.55	1.05	0.79	0.38	0.07
-25.5	16.85 *	13.90 *	12.18 *	8.63 *	4.62	2.04	0.95	0.76	0.38	0.07
-29	13.17 *	10.41 *	8.58 *	5.63	2.93	1.48	0.82	0.68	0.34	0.07
-33	8.44 *	6.26 *	4.80	3.02	1.72	1.06	0.67	0.57	0.28	0.06
-37.5	4.16	2.90	2.21	1.52	1.05	0.76	0.50	0.42	0.20	0.05
-42.5	1.31	0.96	0.82	0.67	0.54	0.42	0.29	0.23	0.11	0.04
-47.5	0.40	0.34	0.33	0.31	0.27	0.23	0.16	0.14	0.09	0.04
-55	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.03
-65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
-75	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02
-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	553.59	481.59	463.22	391.15	265.76	131.92	50.26	35.37	18.76	4.41

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.75
85				
	0.02	0.00		4.07
75				
	0.04	0.00		12.01
65				
	0.04	0.00		28.60
55				
	0.04	0.00		37.39
47.5				
	0.03	0.00		40.60
42.5				
	0.03	0.00		85.36
37.5				
	0.03	0.00		158.87
33				
	0.02	0.00		227.38
29				
	0.02	0.00		261.40
25.5				
	0.02	0.00		262.55
22.5				
	0.02	0.00		291.55
19.5				
	0.02	0.00		261.15
17				
	0.01	0.00		218.56

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

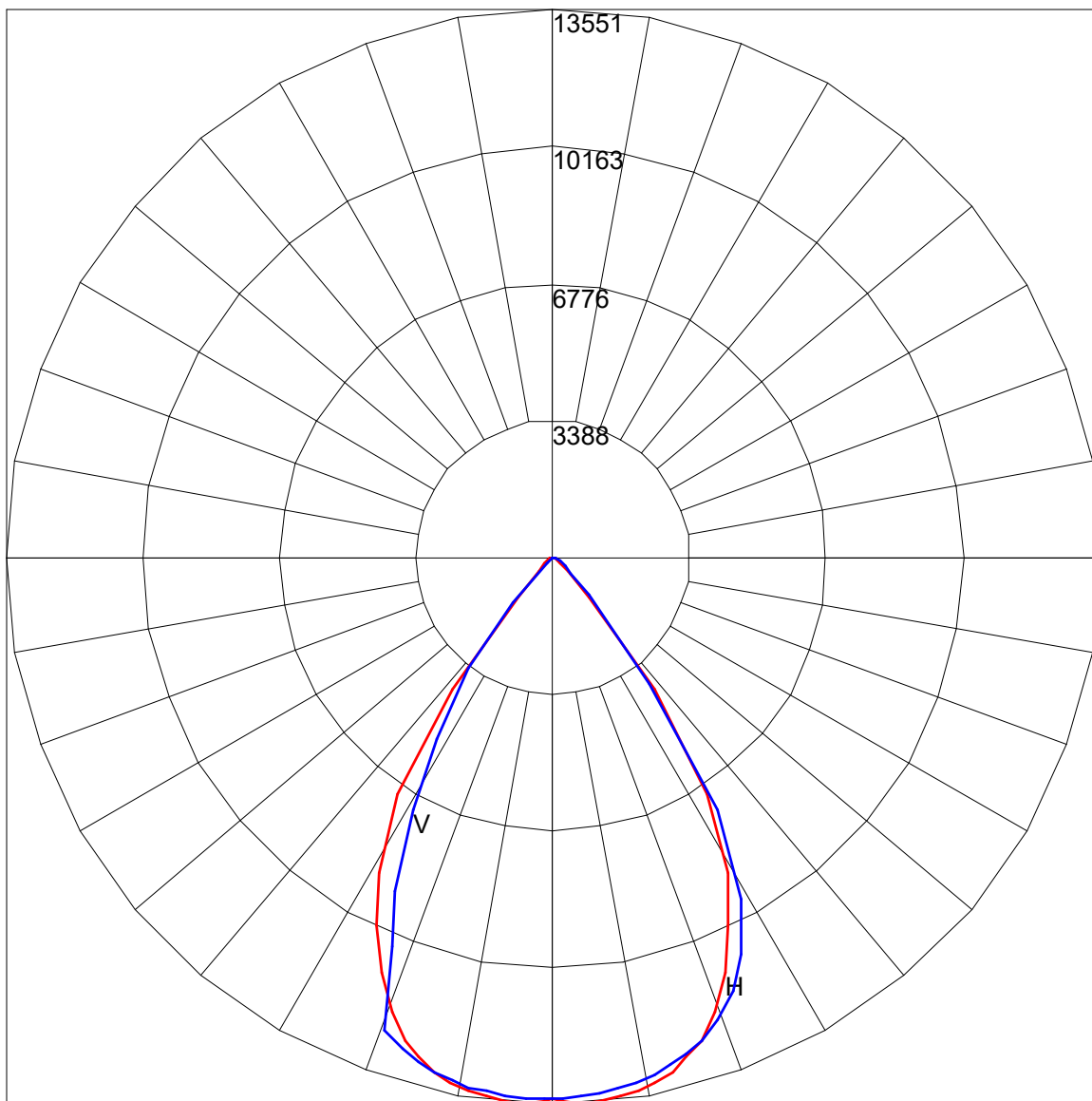
15	0.01	0.00	225.81
13	0.01	0.00	231.98
11	0.01	0.00	237.01
9	0.01	0.00	241.03
7	0.01	0.00	244.14
5	0.01	0.00	246.41
3	0.01	0.00	247.76
1	0.01	0.00	124.02
0	0.01	0.00	124.00
-1	0.01	0.00	247.61
-3	0.01	0.00	246.17
-5	0.01	0.00	243.98
-7	0.01	0.00	241.06
-9	0.01	0.00	237.32
-11	0.01	0.00	232.69
-13	0.01	0.00	227.07
-15	0.01	0.00	220.29
-17	0.01	0.00	261.35
-19.5	0.01	0.00	278.39
-22.5	0.01	0.00	232.73
-25.5	0.01	0.00	215.14
-29	0.01	0.00	175.19
-33	0.01	0.00	124.77
-37.5	0.01	0.00	71.82
-42.5	0.01	0.00	24.99
-47.5	0.01	0.00	6.71
-55	0.01	0.00	0.50
-65	0.01	0.00	0.20

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

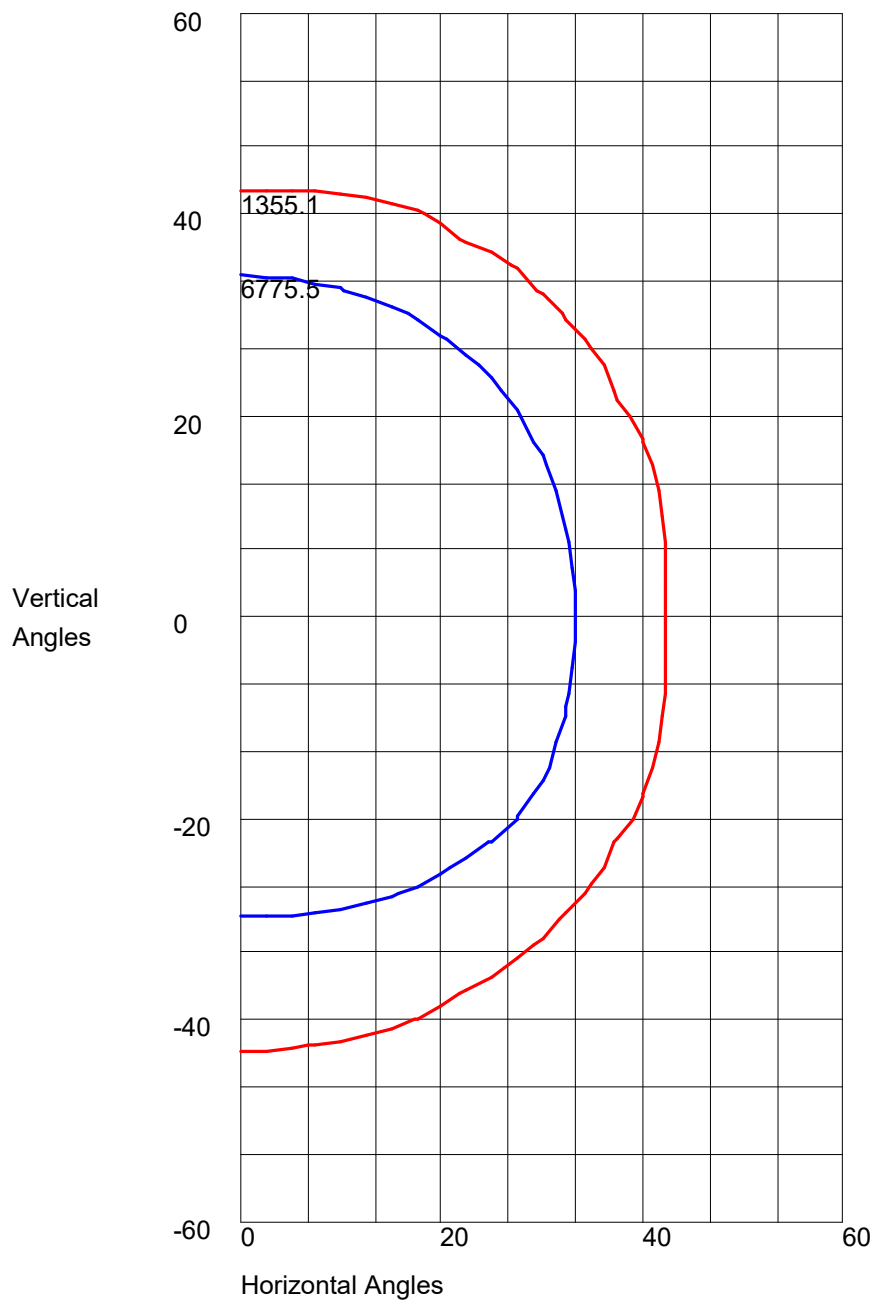
-75	0.01	0.00	0.40
-85	0.00	0.00	0.15
-90			
Total	0.63	0.02	7100.93

AXIAL CANDELA DISPLAY



Maximum Candela = 13551 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13551 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 6775.5
10% Maximum Candela = 1355.1