



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12620
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 04/01/21
[TEST DATE] 03/17/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-24L-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	19427
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13789
Beam Efficiency	N.A.
Field Lumens	19453
Field Efficiency	N.A.
Spill Lumens	1485
Luminaire Lumens	20938
Total Efficiency	N.A.
Total Luminaire Watts	200
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	7	85	21
75	30	75	119
65	152	65	323
55	721	55	967
47.5	1928	47.5	2332
42.5	3121	42.5	3825
37.5	5029	37.5	5714
33	7746	33	8358
29	10774	29	11398
25.5	13345	25.5	13694
22.5	15242	22.5	15086
19.5	16699	19.5	16092
17	17744	17	16832
15	18356	15	17350
13	18660	13	17808
11	18890	11	18225
9	19055	9	18595
7	19163	7	18910
5	19222	5	19160
3	19249	3	19351
1	19298	1	19355
0	19326	0	19326
-1	19298	-1	19366
-3	19249	-3	19427
-5	19222	-5	19426
-7	19163	-7	19333
-9	19055	-9	19168
-11	18890	-11	18944
-13	18660	-13	18658
-15	18356	-15	18293
-17	17744	-17	17843
-19.5	16699	-19.5	17262
-22.5	15242	-22.5	15991
-25.5	13345	-25.5	14063
-29	10774	-29	12233
-33	7746	-33	8804
-37.5	5029	-37.5	5399
-42.5	3121	-42.5	3482
-47.5	1928	-47.5	2326
-55	721	-55	850
-65	152	-65	235
-75	30	-75	7
-85	7	-85	5
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 19427

Beam Edge = 9713.5 Cd (50% of Max.)

Field Edge = 1942.7 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	8	12	14	15	15	16	17
75.0	0	3	9	13	20	29	40	50	60	74
65.0	0	4	11	21	53	93	124	161	192	222
55.0	0	5	14	42	127	224	304	394	487	572
47.5	0	6	17	63	203	379	526	718	921	1122
42.5	0	6	20	79	264	509	734	1039	1375	1723
37.5	0	6	23	95	334	675	1013	1480	1996 *	2536 *
33.0	0	7	25	110	403	844	1306	1950 *	2643 *	3356 *
29.0	0	7	27	123	457	1012	1590	2397 *	3259 *	4218 *
25.5	0	7	28	133	512	1158	1849	2807 *	3851 *	5055 *
22.5	0	7	29	140	553	1302	2079 *	3155 *	4402 *	5902 *
19.5	0	7	30	147	591	1427	2309 *	3522 *	4957 *	6810 *
17.0	0	7	31	151	627	1527	2465 *	3820 *	5496 *	7570 *
15.0	0	7	31	153	651	1616	2600 *	4039 *	5924 *	8129 *
13.0	0	7	31	154	672	1693	2743 *	4285 *	6296 *	8756 *
11.0	0	7	31	154	689	1758	2866 *	4498 *	6668 *	9317 *
9.0	0	7	31	155	702	1811	2961 *	4670 *	7010 *	9808 *
7.0	0	7	31	156	711	1851	3030 *	4807 *	7284 *	10186 *
5.0	0	7	31	155	720	1882	3073 *	4907 *	7486 *	10472 *
3.0	0	7	31	155	729	1922	3126 *	4978 *	7621 *	10673 *
1.0	0	7	30	153	724	1926	3123 *	5026 *	7722 *	10766 *
0.0	0	7	30	152	721	1928	3121 *	5029 *	7746 *	10774 *
-1.0	0	7	30	152	721	1925	3126 *	5058 *	7784 *	10834 *
-3.0	0	7	30	151	722	1920	3136 *	5071 *	7804 *	10875 *
-5.0	0	7	29	148	708	1878	3088 *	5030 *	7714 *	10750 *
-7.0	0	7	29	146	695	1846	3046 *	4936 *	7544 *	10537 *
-9.0	0	7	28	143	682	1804	2985 *	4802 *	7301 *	10223 *
-11.0	0	7	28	139	664	1751	2904 *	4627 *	6989 *	9807 *
-13.0	0	7	27	135	642	1686	2803 *	4417 *	6634 *	9312 *
-15.0	0	7	26	131	615	1609	2678 *	4174 *	6278 *	8744 *
-17.0	0	6	26	127	585	1521	2524 *	3942 *	5871 *	8190 *
-19.5	0	6	24	120	540	1407	2322 *	3595 *	5287 *	7321 *
-22.5	0	6	23	110	492	1255	2059 *	3137 *	4596 *	6261 *
-25.5	0	6	22	100	441	1076	1810	2721 *	3901 *	5250 *
-29.0	0	6	20	89	372	901	1491	2240 *	3153 *	4195 *
-33.0	0	5	17	76	310	713	1139	1743	2389 *	3156 *
-37.5	0	5	16	60	243	540	830	1248	1711	2214 *
-42.5	0	5	14	46	178	386	581	855	1157	1475
-47.5	0	4	12	33	123	270	402	582	768	988
-55.0	0	4	9	18	59	128	192	266	348	424
-65.0	0	3	6	10	14	28	46	70	93	116
-75.0	0	2	3	4	5	6	6	7	7	8
-85.0	0	1	1	2	2	3	3	3	3	4
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	18	18	19	19	20	20	21	21	21	20
75.0	87	96	103	108	112	114	115	116	117	119
65.0	248	269	286	300	310	317	320	323	324	323
55.0	652	710	771	831	873	909	932	946	953	967
47.5	1305	1501	1673	1808	1921	2024 *	2114 *	2188 *	2246 *	2280 *
42.5	2059 *	2362 *	2689 *	2937 *	3115 *	3290 *	3451 *	3579 *	3675 *	3745 *
37.5	3060 *	3507 *	3980 *	4357 *	4627 *	4902 *	5143 *	5347 *	5493 *	5603 *
33.0	4071 *	4743 *	5436 *	6028 *	6470 *	6870 *	7295 *	7671 *	7949 *	8158 *
29.0	5203 *	6184 *	7182 *	8028 *	8723 *	9429 *	9973 *	10434 *	10817 *	11117 *
25.5	6392 *	7681 *	9024 *	10240 *	11032 *	11699 *	12289 *	12772 *	13168 *	13436 *
22.5	7538 *	9116 *	10701 *	11899 *	12752 *	13376 *	13895 *	14290 *	14627 *	14865 *
19.5	8720 *	10508 *	12095 *	13269 *	14091 *	14721 *	15173 *	15499 *	15759 *	15932 *
17.0	9727 *	11532 *	13104 *	14247 *	15065 *	15583 *	16011 *	16313 *	16532 *	16667 *
15.0	10443 *	12271 *	13793 *	14963 *	15676 *	16214 *	16567 *	16868 *	17075 *	17198 *
13.0	11095 *	12938 *	14424 *	15564 *	16312 *	16736 *	17090 *	17357 *	17571 *	17692 *
11.0	11720 *	13553 *	15001 *	16172 *	16811 *	17240 *	17553 *	17809 *	18010 *	18125 *
9.0	12224 *	14025 *	15475 *	16571 *	17272 *	17656 *	17952 *	18183 *	18370 *	18495 *
7.0	12639 *	14438 *	15894 *	16969 *	17605 *	18013 *	18283 *	18480 *	18661 *	18792 *
5.0	12972 *	14785 *	16220 *	17304 *	17873 *	18265 *	18547 *	18732 *	18865 *	18995 *
3.0	13210 *	15051 *	16469 *	17530 *	18128 *	18467 *	18707 *	18900 *	19050 *	19126 *
1.0	13328 *	15221 *	16638 *	17684 *	18340 *	18643 *	18871 *	19027 *	19134 *	19197 *
0.0	13345 *	15242 *	16699 *	17744 *	18356 *	18660 *	18890 *	19055 *	19163 *	19222 *
-1.0	13392 *	15296 *	16710 *	17746 *	18393 *	18692 *	18921 *	19094 *	19214 *	19259 *
-3.0	13389 *	15255 *	16678 *	17742 *	18357 *	18707 *	18955 *	19145 *	19288 *	19332 *
-5.0	13240 *	15092 *	16557 *	17671 *	18274 *	18681 *	18968 *	19128 *	19220 *	19303 *
-7.0	12997 *	14846 *	16374 *	17502 *	18168 *	18574 *	18820 *	18985 *	19114 *	19242 *
-9.0	12674 *	14534 *	16081 *	17230 *	17937 *	18325 *	18601 *	18796 *	18968 *	19079 *
-11.0	12262 *	14158 *	15701 *	16877 *	17539 *	18008 *	18312 *	18565 *	18747 *	18834 *
-13.0	11743 *	13669 *	15248 *	16387 *	17150 *	17622 *	17983 *	18265 *	18426 *	18522 *
-15.0	11199 *	13126 *	14739 *	15911 *	16645 *	17210 *	17572 *	17857 *	18013 *	18148 *
-17.0	10557 *	12491 *	14133 *	15290 *	16120 *	16667 *	17095 *	17371 *	17568 *	17712 *
-19.5	9649 *	11440 *	13237 *	14377 *	15226 *	15894 *	16370 *	16675 *	16917 *	17096 *
-22.5	8237 *	9966 *	11576 *	12777 *	13625 *	14314 *	14845 *	15218 *	15579 *	15868 *
-25.5	6760 *	8313 *	9828 *	10873 *	11723 *	12401 *	12895 *	13408 *	13746 *	13923 *
-29.0	5313 *	6393 *	7593 *	8697 *	9513 *	10223 *	10861 *	11482 *	11928 *	12093 *
-33.0	3906 *	4628 *	5355 *	6090 *	6604 *	7066 *	7612 *	8080 *	8403 *	8619 *
-37.5	2688 *	3112 *	3618 *	4018 *	4301 *	4647 *	4959 *	5221 *	5344 *	5392 *
-42.5	1796	2088 *	2382 *	2605 *	2794 *	2974 *	3137 *	3260 *	3349 *	3419 *
-47.5	1193	1378	1567	1729	1855	1971 *	2073 *	2145 *	2208 *	2259 *
-55.0	507	575	645	706	751	792	820	838	851	858
-65.0	135	152	170	185	197	208	215	222	228	232
-75.0	8	9	9	9	9	9	9	8	8	8
-85.0	4	4	5	5	5	5	5	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	20	21	21	21	20	20	21	21	21	20
75.0	119	119	119	119	119	119	117	116	115	114
65.0	324	323	323	323	324	323	324	323	320	317

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CANDELA TABULATION - (Cont.)

55.0	980	971	967	971	980	967	953	946	932	909
47.5	2306 *	2323 *	2332 *	2323 *	2306 *	2280 *	2246 *	2188 *	2114 *	2024 *
42.5	3821 *	3824 *	3825 *	3824 *	3821 *	3745 *	3675 *	3579 *	3451 *	3290 *
37.5	5722 *	5731 *	5714 *	5731 *	5722 *	5603 *	5493 *	5347 *	5143 *	4902 *
33.0	8334 *	8373 *	8358 *	8373 *	8334 *	8158 *	7949 *	7671 *	7295 *	6870 *
29.0	11340 *	11414 *	11398 *	11414 *	11340 *	11117 *	10817 *	10434 *	9973 *	9429 *
25.5	13620 *	13706 *	13694 *	13706 *	13620 *	13436 *	13168 *	12772 *	12289 *	11699 *
22.5	15020 *	15107 *	15086 *	15107 *	15020 *	14865 *	14627 *	14290 *	13895 *	13376 *
19.5	16066 *	16102 *	16092 *	16102 *	16066 *	15932 *	15759 *	15499 *	15173 *	14721 *
17.0	16764 *	16804 *	16832 *	16804 *	16764 *	16667 *	16532 *	16313 *	16011 *	15583 *
15.0	17287 *	17319 *	17350 *	17319 *	17287 *	17198 *	17075 *	16868 *	16567 *	16214 *
13.0	17770 *	17761 *	17808 *	17761 *	17770 *	17692 *	17571 *	17357 *	17090 *	16736 *
11.0	18201 *	18182 *	18225 *	18182 *	18201 *	18125 *	18010 *	17809 *	17553 *	17240 *
9.0	18564 *	18581 *	18595 *	18581 *	18564 *	18495 *	18370 *	18183 *	17952 *	17656 *
7.0	18871 *	18916 *	18910 *	18916 *	18871 *	18792 *	18661 *	18480 *	18283 *	18013 *
5.0	19096 *	19164 *	19160 *	19164 *	19096 *	18995 *	18865 *	18732 *	18547 *	18265 *
3.0	19217 *	19327 *	19351 *	19327 *	19217 *	19126 *	19050 *	18900 *	18707 *	18467 *
1.0	19251 *	19325 *	19355 *	19325 *	19251 *	19197 *	19134 *	19027 *	18871 *	18643 *
0.0	19249 *	19298 *	19326 *	19298 *	19249 *	19222 *	19163 *	19055 *	18890 *	18660 *
-1.0	19315 *	19337 *	19366 *	19337 *	19315 *	19259 *	19214 *	19094 *	18921 *	18692 *
-3.0	19346 *	19403 *	19427 *	19403 *	19346 *	19332 *	19288 *	19145 *	18955 *	18707 *
-5.0	19368 *	19399 *	19426 *	19399 *	19368 *	19303 *	19220 *	19128 *	18968 *	18681 *
-7.0	19297 *	19313 *	19333 *	19313 *	19297 *	19242 *	19114 *	18985 *	18820 *	18574 *
-9.0	19136 *	19145 *	19168 *	19145 *	19136 *	19079 *	18968 *	18796 *	18601 *	18325 *
-11.0	18895 *	18904 *	18944 *	18904 *	18895 *	18834 *	18747 *	18565 *	18312 *	18008 *
-13.0	18589 *	18607 *	18658 *	18607 *	18589 *	18522 *	18426 *	18265 *	17983 *	17622 *
-15.0	18224 *	18260 *	18293 *	18260 *	18224 *	18148 *	18013 *	17857 *	17572 *	17210 *
-17.0	17780 *	17810 *	17843 *	17810 *	17780 *	17712 *	17568 *	17371 *	17095 *	16667 *
-19.5	17169 *	17220 *	17262 *	17220 *	17169 *	17096 *	16917 *	16675 *	16370 *	15894 *
-22.5	16006 *	16039 *	15991 *	16039 *	16006 *	15868 *	15579 *	15218 *	14845 *	14314 *
-25.5	14006 *	14051 *	14063 *	14051 *	14006 *	13923 *	13746 *	13408 *	12895 *	12401 *
-29.0	12203 *	12242 *	12233 *	12242 *	12203 *	12093 *	11928 *	11482 *	10861 *	10223 *
-33.0	8747 *	8803 *	8804 *	8803 *	8747 *	8619 *	8403 *	8080 *	7612 *	7066 *
-37.5	5379 *	5408 *	5399 *	5408 *	5379 *	5392 *	5344 *	5221 *	4959 *	4647 *
-42.5	3487 *	3484 *	3482 *	3484 *	3487 *	3419 *	3349 *	3260 *	3137 *	2974 *
-47.5	2311 *	2321 *	2326 *	2321 *	2311 *	2259 *	2208 *	2145 *	2073 *	1971 *
-55.0	865	855	850	855	865	858	851	838	820	792
-65.0	236	235	235	235	236	232	228	222	215	208
-75.0	8	7	7	7	8	8	8	8	9	9
-85.0	5	5	5	5	5	5	5	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	20	19	19	18	18	17	16	15	15	14
75.0	112	108	103	96	87	74	60	50	40	29
65.0	310	300	286	269	248	222	192	161	124	93
55.0	873	831	771	710	652	572	487	394	304	224
47.5	1921	1808	1673	1501	1305	1122	921	718	526	379
42.5	3115 *	2937 *	2689 *	2362 *	2059 *	1723	1375	1039	734	509
37.5	4627 *	4357 *	3980 *	3507 *	3060 *	2536 *	1996 *	1480	1013	675
33.0	6470 *	6028 *	5436 *	4743 *	4071 *	3356 *	2643 *	1950 *	1306	844
29.0	8723 *	8028 *	7182 *	6184 *	5203 *	4218 *	3259 *	2397 *	1590	1012
25.5	11032 *	10240 *	9024 *	7681 *	6392 *	5055 *	3851 *	2807 *	1849	1158

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CANDELA TABULATION - (Cont.)

22.5	12752 *	11899 *	10701 *	9116 *	7538 *	5902 *	4402 *	3155 *	2079 *	1302
19.5	14091 *	13269 *	12095 *	10508 *	8720 *	6810 *	4957 *	3522 *	2309 *	1427
17.0	15065 *	14247 *	13104 *	11532 *	9727 *	7570 *	5496 *	3820 *	2465 *	1527
15.0	15676 *	14963 *	13793 *	12271 *	10443 *	8129 *	5924 *	4039 *	2600 *	1616
13.0	16312 *	15564 *	14424 *	12938 *	11095 *	8756 *	6296 *	4285 *	2743 *	1693
11.0	16811 *	16172 *	15001 *	13553 *	11720 *	9317 *	6668 *	4498 *	2866 *	1758
9.0	17272 *	16571 *	15475 *	14025 *	12224 *	9808 *	7010 *	4670 *	2961 *	1811
7.0	17605 *	16969 *	15894 *	14438 *	12639 *	10186 *	7284 *	4807 *	3030 *	1851
5.0	17873 *	17304 *	16220 *	14785 *	12972 *	10472 *	7486 *	4907 *	3073 *	1882
3.0	18128 *	17530 *	16469 *	15051 *	13210 *	10673 *	7621 *	4978 *	3126 *	1922
1.0	18340 *	17684 *	16638 *	15221 *	13328 *	10766 *	7722 *	5026 *	3123 *	1926
0.0	18356 *	17744 *	16699 *	15242 *	13345 *	10774 *	7746 *	5029 *	3121 *	1928
-1.0	18393 *	17746 *	16710 *	15296 *	13392 *	10834 *	7784 *	5058 *	3126 *	1925
-3.0	18357 *	17742 *	16678 *	15255 *	13389 *	10875 *	7804 *	5071 *	3136 *	1920
-5.0	18274 *	17671 *	16557 *	15092 *	13240 *	10750 *	7714 *	5030 *	3088 *	1878
-7.0	18168 *	17502 *	16374 *	14846 *	12997 *	10537 *	7544 *	4936 *	3046 *	1846
-9.0	17937 *	17230 *	16081 *	14534 *	12674 *	10223 *	7301 *	4802 *	2985 *	1804
-11.0	17539 *	16877 *	15701 *	14158 *	12262 *	9807 *	6989 *	4627 *	2904 *	1751
-13.0	17150 *	16387 *	15248 *	13669 *	11743 *	9312 *	6634 *	4417 *	2803 *	1686
-15.0	16645 *	15911 *	14739 *	13126 *	11199 *	8744 *	6278 *	4174 *	2678 *	1609
-17.0	16120 *	15290 *	14133 *	12491 *	10557 *	8190 *	5871 *	3942 *	2524 *	1521
-19.5	15226 *	14377 *	13237 *	11440 *	9649 *	7321 *	5287 *	3595 *	2322 *	1407
-22.5	13625 *	12777 *	11576 *	9966 *	8237 *	6261 *	4596 *	3137 *	2059 *	1255
-25.5	11723 *	10873 *	9828 *	8313 *	6760 *	5250 *	3901 *	2721 *	1810	1076
-29.0	9513 *	8697 *	7593 *	6393 *	5313 *	4195 *	3153 *	2240 *	1491	901
-33.0	6604 *	6090 *	5355 *	4628 *	3906 *	3156 *	2389 *	1743	1139	713
-37.5	4301 *	4018 *	3618 *	3112 *	2688 *	2214 *	1711	1248	830	540
-42.5	2794 *	2605 *	2382 *	2088 *	1796	1475	1157	855	581	386
-47.5	1855	1729	1567	1378	1193	988	768	582	402	270
-55.0	751	706	645	575	507	424	348	266	192	128
-65.0	197	185	170	152	135	116	93	70	46	28
-75.0	9	9	9	9	8	8	7	7	6	6
-85.0	5	5	5	4	4	4	3	3	3	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	12	8	4	1	0
75.0	20	13	9	3	0
65.0	53	21	11	4	0
55.0	127	42	14	5	0
47.5	203	63	17	6	0
42.5	264	79	20	6	0
37.5	334	95	23	6	0
33.0	403	110	25	7	0
29.0	457	123	27	7	0
25.5	512	133	28	7	0
22.5	553	140	29	7	0
19.5	591	147	30	7	0
17.0	627	151	31	7	0
15.0	651	153	31	7	0
13.0	672	154	31	7	0
11.0	689	154	31	7	0
9.0	702	155	31	7	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	711	156	31	7	0
5.0	720	155	31	7	0
3.0	729	155	31	7	0
1.0	724	153	30	7	0
0.0	721	152	30	7	0
-1.0	721	152	30	7	0
-3.0	722	151	30	7	0
-5.0	708	148	29	7	0
-7.0	695	146	29	7	0
-9.0	682	143	28	7	0
-11.0	664	139	28	7	0
-13.0	642	135	27	7	0
-15.0	615	131	26	7	0
-17.0	585	127	26	6	0
-19.5	540	120	24	6	0
-22.5	492	110	23	6	0
-25.5	441	100	22	6	0
-29.0	372	89	20	6	0
-33.0	310	76	17	5	0
-37.5	243	60	16	5	0
-42.5	178	46	14	5	0
-47.5	123	33	12	4	0
-55.0	59	18	9	4	0
-65.0	14	10	6	3	0
-75.0	5	4	3	2	0
-85.0	2	2	1	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10469.11

Total Field Lumens (one side of beam only) = 9726.48

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.21	0.42	0.42	0.42	0.41	0.41	0.40	0.39	0.38	0.45
65	0.67	1.35	1.34	1.34	1.33	1.31	1.29	1.26	1.22	1.44
55	1.97	3.95	3.94	3.89	3.84	3.78	3.69	3.56	3.39	3.96
47.5	3.77	7.51	7.44	7.32	7.16	6.95	6.68	6.35	5.97	6.89
42.5	4.68 *	9.34 *	9.23 *	9.05 *	8.81 *	8.50 *	8.10 *	7.65 *	7.16 *	8.23 *
37.5	7.27 *	14.53 *	14.35 *	14.02 *	13.64 *	13.14 *	12.50 *	11.77 *	11.01 *	12.62 *
33	9.66 *	19.29 *	19.02 *	18.54 *	17.96 *	17.18 *	16.23 *	15.21 *	14.15 *	16.11 *
29	12.04 *	24.03 *	23.67 *	23.05 *	22.24 *	21.22 *	20.00 *	18.62 *	17.13 *	19.29 *
25.5	13.38 *	26.68 *	26.33 *	25.73 *	24.91 *	23.87 *	22.62 *	21.15 *	19.48 *	21.81 *
22.5	13.16 *	26.23 *	25.95 *	25.49 *	24.82 *	23.96 *	22.91 *	21.66 *	20.17 *	22.71 *
19.5	14.25 *	28.45 *	28.21 *	27.80 *	27.23 *	26.48 *	25.55 *	24.36 *	22.84 *	26.01 *
17	12.53 *	25.01 *	24.85 *	24.57 *	24.17 *	23.62 *	22.90 *	21.97 *	20.74 *	23.83 *
15	10.40 *	20.75 *	20.64 *	20.44 *	20.15 *	19.73 *	19.18 *	18.48 *	17.55 *	20.29 *
13	10.70 *	21.35 *	21.25 *	21.06 *	20.77 *	20.36 *	19.85 *	19.19 *	18.30 *	21.24 *
11	10.96 *	21.89 *	21.81 *	21.63 *	21.34 *	20.94 *	20.44 *	19.83 *	18.99 *	22.12 *
9	11.21 *	22.38 *	22.30 *	22.11 *	21.83 *	21.45 *	20.98 *	20.39 *	19.57 *	22.86 *
7	11.42 *	22.81 *	22.71 *	22.51 *	22.23 *	21.87 *	21.42 *	20.85 *	20.03 *	23.47 *
5	11.60 *	23.15 *	23.02 *	22.81 *	22.54 *	22.21 *	21.78 *	21.21 *	20.42 *	24.00 *
3	11.73 *	23.38 *	23.23 *	23.03 *	22.79 *	22.46 *	22.04 *	21.50 *	20.74 *	24.42 *
1	11.78 *	23.48 *	23.33 *	23.18 *	22.96 *	22.65 *	22.25 *	21.75 *	20.99 *	24.70 *
0	5.89 *	11.74 *	11.69 *	11.62 *	11.52 *	11.38 *	11.18 *	10.94 *	10.56 *	12.43 *
-1	5.89 *	11.75 *	11.71 *	11.64 *	11.54 *	11.39 *	11.20 *	10.95 *	10.58 *	12.46 *
	11.81 *	23.56 *	23.47 *	23.35 *	23.15 *	22.83 *	22.43 *	21.92 *	21.15 *	24.90 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	11.83 *	23.60 *	23.50 *	23.37 *	23.16 *	22.86 *	22.44 *	21.88 *	21.09 *	24.82 *
-5	11.80 *	23.55 *	23.46 *	23.29 *	23.06 *	22.77 *	22.36 *	21.78 *	20.97 *	24.63 *
-7	11.72 *	23.41 *	23.32 *	23.15 *	22.88 *	22.56 *	22.14 *	21.58 *	20.74 *	24.29 *
-9	11.60 *	23.16 *	23.08 *	22.91 *	22.65 *	22.28 *	21.82 *	21.22 *	20.37 *	23.82 *
-11	11.44 *	22.83 *	22.74 *	22.58 *	22.32 *	21.94 *	21.43 *	20.78 *	19.90 *	23.22 *
-13	11.24 *	22.43 *	22.33 *	22.15 *	21.89 *	21.50 *	20.97 *	20.28 *	19.35 *	22.52 *
-15	11.00 *	21.94 *	21.84 *	21.64 *	21.36 *	20.97 *	20.42 *	19.70 *	18.73 *	21.72 *
-17	13.35 *	26.63 *	26.50 *	26.24 *	25.84 *	25.31 *	24.59 *	23.61 *	22.33 *	25.78 *
-19.5	15.19 *	30.34 *	30.15 *	29.75 *	29.13 *	28.40 *	27.45 *	26.18 *	24.60 *	28.19 *
-22.5	13.74 *	27.44 *	27.26 *	26.86 *	26.22 *	25.36 *	24.34 *	23.08 *	21.52 *	24.44 *
-25.5	14.02 *	27.97 *	27.77 *	27.40 *	26.69 *	25.54 *	24.18 *	22.69 *	20.91 *	23.41 *
-29	12.82 *	25.57 *	25.32 *	24.87 *	24.07 *	22.82 *	21.31 *	19.75 *	18.10 *	20.06 *
-33	9.74 *	19.41 *	19.24 *	18.92 *	18.36 *	17.46 *	16.28 *	15.04 *	13.84 *	15.52 *
-37.5	6.77 *	13.51 *	13.43 *	13.26 *	12.95 *	12.43 *	11.71 *	10.87 *	10.04 *	11.41 *
-42.5	4.42 *	8.83 *	8.72 *	8.51 *	8.27 *	7.96 *	7.56 *	7.09 *	6.58 *	7.49 *
-47.5	3.63	7.25	7.17	7.02	6.83	6.61	6.32	5.95	5.54	6.30
-55	1.66	3.33	3.33	3.29	3.23	3.14	3.03	2.88	2.69	3.08
-65	0.37	0.74	0.74	0.72	0.70	0.68	0.66	0.63	0.59	0.67
-75	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	383.35	765.07	759.87	750.60	737.03	718.36	694.74	665.99	630.48	727.72

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	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.02
85	0.50	0.46	0.46	0.44	0.39	0.35	0.26	0.27	0.20	0.09
75	1.61	1.46	1.49	1.43	1.30	1.09	0.77	0.70	0.41	0.14
65	4.34	3.92	4.01	3.85	3.45	2.87	2.01	1.78	0.92	0.23
55	7.45	6.52	6.49	6.07	5.29	4.25	2.89	2.50	1.24	0.27

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	8.77 *	7.54	7.36	6.71	5.67	4.40	2.89	2.42	1.16	0.23
42.5	13.37 *	11.47 *	11.11 *	9.96	8.24	6.22	3.94	3.18	1.47	0.28
37.5	16.95 *	14.44 *	13.88 *	12.37 *	10.16 *	7.54	4.65	3.63	1.61	0.30
33	20.09 *	16.86 *	15.97 *	14.07 *	11.47 *	8.45	5.12	3.88	1.66	0.30
29	22.45 *	18.60 *	17.30 *	14.97 *	12.06 *	8.82 *	5.28	3.92	1.63	0.28
25.5	23.37 *	19.24 *	17.69 *	15.04 *	11.93 *	8.65 *	5.16	3.78	1.53	0.26
22.5	27.14 *	22.46 *	20.59 *	17.29 *	13.46 *	9.68 *	5.75	4.15	1.63	0.27
19.5	25.19 *	21.12 *	19.44 *	16.21 *	12.45 *	8.83 *	5.20	3.73	1.44	0.23
17	21.62 *	18.35 *	17.00 *	14.16 *	10.79 *	7.54 *	4.42 *	3.16	1.20	0.19
15	22.79 *	19.51 *	18.21 *	15.20 *	11.50 *	7.97 *	4.66 *	3.31	1.24	0.19
13	23.85 *	20.58 *	19.37 *	16.20 *	12.17 *	8.39 *	4.88 *	3.44	1.27	0.19
11	24.76 *	21.50 *	20.41 *	17.13 *	12.78 *	8.74 *	5.06 *	3.54	1.29	0.19
9	25.52 *	22.26 *	21.26 *	17.90 *	13.30 *	9.02 *	5.20 *	3.63	1.31	0.19
7	26.16 *	22.89 *	21.92 *	18.50 *	13.70 *	9.22 *	5.29 *	3.69	1.32	0.19
5	26.67 *	23.38 *	22.43 *	18.93 *	13.98 *	9.38 *	5.38 *	3.75	1.34	0.19
3	27.03 *	23.71 *	22.73 *	19.20 *	14.18 *	9.48 *	5.44 *	3.79	1.34	0.19
1	13.61 *	11.92 *	11.42 *	9.66 *	7.14 *	4.75 *	2.72 *	1.89	0.67	0.09
0	13.64 *	11.95 *	11.45 *	9.70 *	7.17 *	4.76 *	2.72 *	1.89	0.66	0.09
-1	27.27 *	23.93 *	22.98 *	19.47 *	14.39 *	9.56 *	5.44 *	3.78	1.33	0.19
-3	27.12 *	23.78 *	22.86 *	19.39 *	14.34 *	9.52 *	5.40 *	3.74	1.32	0.19
-5	26.82 *	23.45 *	22.52 *	19.08 *	14.11 *	9.39 *	5.31 *	3.66	1.29	0.18
-7	26.37 *	22.98 *	22.00 *	18.59 *	13.76 *	9.20 *	5.21 *	3.59	1.27	0.18
-9	25.79 *	22.38 *	21.31 *	17.92 *	13.27 *	8.93 *	5.08 *	3.50	1.24	0.18
-11	25.07 *	21.63 *	20.43 *	17.09 *	12.68 *	8.60 *	4.92 *	3.39	1.20	0.17
-13	24.22 *	20.76 *	19.43 *	16.17 *	12.03 *	8.21 *	4.72 *	3.25	1.16	0.17
-15	23.24 *	19.77 *	18.33 *	15.18 *	11.34 *	7.77 *	4.49 *	3.09	1.11	0.16
-17	27.35 *	23.03 *	21.16 *	17.41 *	13.08 *	9.03 *	5.23 *	3.62	1.30	0.19
-19.5	29.57 *	24.60 *	22.37 *	18.38 *	13.95 *	9.72 *	5.69	3.96	1.44	0.22

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	25.39 *	20.83 *	18.84 *	15.67 *	12.05 *	8.51 *	5.01	3.50	1.30	0.20
-25.5	23.98 *	19.56 *	17.84 *	15.08 *	11.77 *	8.43 *	4.97	3.49	1.33	0.21
-29	20.45 *	16.90 *	15.70 *	13.46 *	10.66 *	7.71	4.57	3.28	1.29	0.21
-33	16.04 *	13.46 *	12.76 *	11.12 *	8.93	6.51	3.90	2.90	1.18	0.20
-37.5	11.94 *	10.10 *	9.68 *	8.56	6.95	5.12	3.15	2.41	1.00	0.18
-42.5	7.91	6.74	6.46	5.73	4.70	3.53	2.21	1.71	0.72	0.14
-47.5	6.66	5.72	5.53	4.95	4.12	3.15	2.00	1.55	0.66	0.14
-55	3.29	2.86	2.80	2.56	2.17	1.67	1.06	0.82	0.38	0.11
-65	0.73	0.63	0.63	0.58	0.50	0.38	0.23	0.19	0.13	0.06
-75	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.03
-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	776.18	663.36	625.74	531.49	407.49	285.47	168.36	121.57	47.30	7.92

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.69
85			
	0.02	0.00	7.38
75			
	0.04	0.00	22.98
65			
	0.04	0.00	63.39
55			
	0.04	0.00	109.05
47.5			
	0.03	0.00	127.94
42.5			
	0.04	0.00	194.14
37.5			
	0.04	0.00	248.92
33			
	0.03	0.00	299.19
29			
	0.03	0.00	331.32
25.5			
	0.03	0.00	333.73
22.5			
	0.03	0.00	373.63
19.5			
	0.02	0.00	338.06
17			
	0.02	0.00	286.06

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

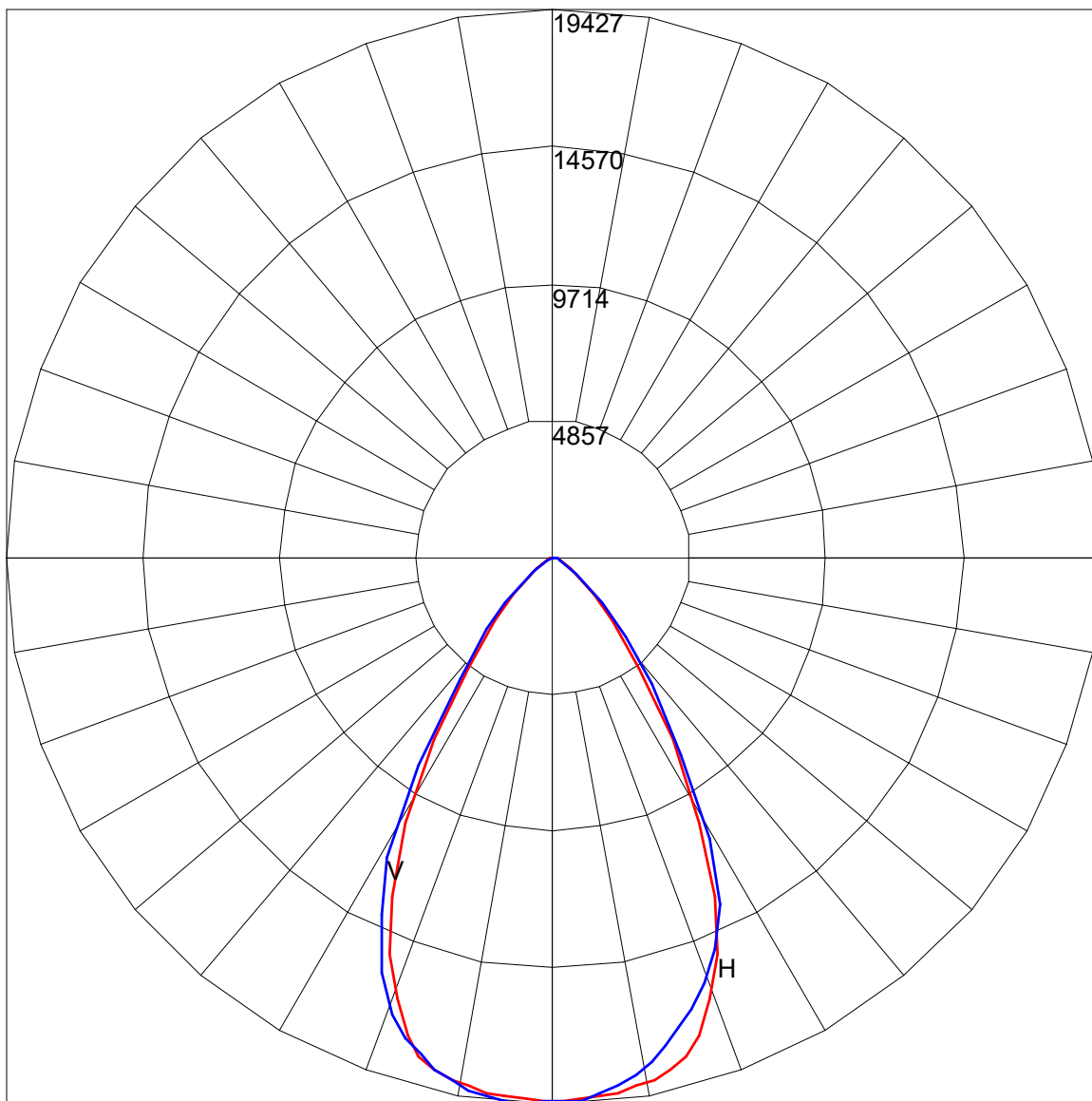
15	0.02	0.00	298.67
13	0.02	0.00	310.33
11	0.02	0.00	320.51
9	0.02	0.00	328.93
7	0.02	0.00	335.67
5	0.02	0.00	340.77
3	0.02	0.00	344.19
1	0.01	0.00	172.82
0	0.01	0.00	173.15
-1	0.02	0.00	346.93
-3	0.02	0.00	346.21
-5	0.02	0.00	343.49
-7	0.02	0.00	338.96
-9	0.02	0.00	332.54
-11	0.02	0.00	324.40
-13	0.02	0.00	314.80
-15	0.02	0.00	303.82
-17	0.02	0.00	361.59
-19.5	0.02	0.00	399.27
-22.5	0.02	0.00	351.58
-25.5	0.02	0.00	347.26
-29	0.03	0.00	308.93
-33	0.03	0.00	240.84
-37.5	0.03	0.00	175.50
-42.5	0.02	0.00	115.28
-47.5	0.03	0.00	97.14
-55	0.03	0.00	47.42
-65	0.02	0.00	10.56

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

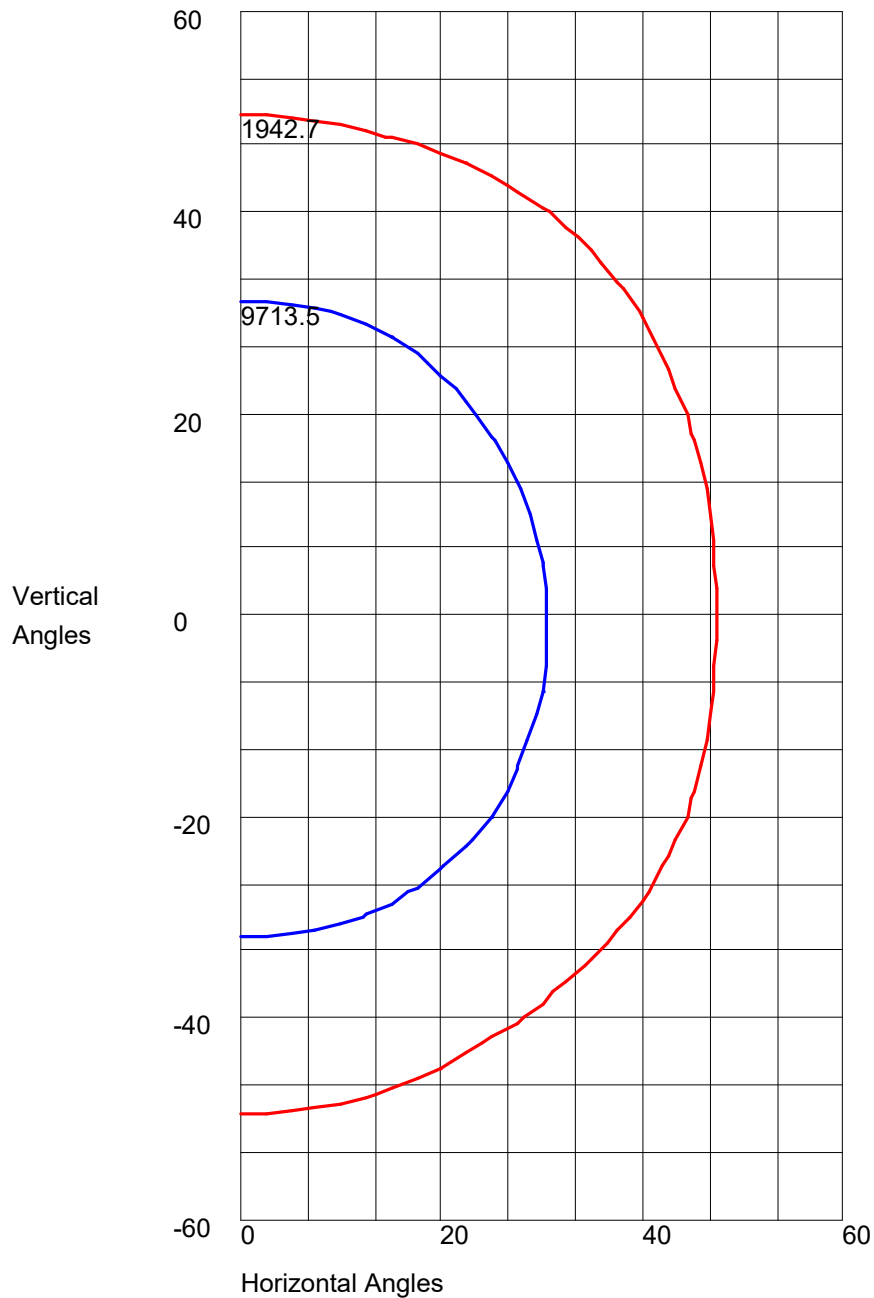
-75	0.01	0.00	0.92
-85	0.00	0.00	0.16
-90			
Total	1.01	0.03	10469.11

AXIAL CANDELA DISPLAY



Maximum Candela = 19427 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 19427 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 9713.5
10% Maximum Candela = 1942.7