



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12619
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-24L-PC-WF-40-80-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	25510
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	57.7
Vertical Beam Angle (50%)	61.3
Horizontal Field Angle (10%)	90.3
Vertical Field Angle (10%)	96.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	16558
Beam Efficiency	N.A.
Field Lumens	23455
Field Efficiency	N.A.
Spill Lumens	1813
Luminaire Lumens	25267
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	11	85	16
75	38	75	36
65	78	65	264
55	619	55	979
47.5	1882	47.5	2689
42.5	3308	42.5	4250
37.5	5478	37.5	6451
33	8800	33	10309
29	12711	29	14438
25.5	16022	25.5	17460
22.5	18662	22.5	19724
19.5	20624	19.5	21480
17	22328	17	22776
15	23295	15	23395
13	24306	13	23989
11	24869	11	24471
9	25154	9	24871
7	25280	7	25191
5	25314	5	25409
3	25318	3	25510
1	25348	1	25434
0	25367	0	25367
-1	25348	-1	25434
-3	25318	-3	25510
-5	25314	-5	25409
-7	25280	-7	25191
-9	25154	-9	24871
-11	24869	-11	24471
-13	24306	-13	23989
-15	23295	-15	23395
-17	22328	-17	22776
-19.5	20624	-19.5	21480
-22.5	18662	-22.5	19724
-25.5	16022	-25.5	17460
-29	12711	-29	14438
-33	8800	-33	10309
-37.5	5478	-37.5	6451
-42.5	3308	-42.5	4250
-47.5	1882	-47.5	2689
-55	619	-55	979
-65	78	-65	264
-75	38	-75	36
-85	11	-85	16
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 25510

Beam Edge = 12755 Cd (50% of Max.)

Field Edge = 2551 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	7	9	9	10	11	12	13
75.0	0	3	9	14	18	21	23	25	26	28
65.0	0	5	14	23	30	36	45	69	100	126
55.0	0	7	18	32	45	93	167	261	354	441
47.5	0	8	22	41	71	230	385	586	789	1039
42.5	0	8	25	46	109	355	585	861	1207	1598
37.5	0	9	27	51	172	525	807	1244	1813	2382
33.0	0	9	29	54	241	700	1103	1757	2507	3357 *
29.0	0	10	31	57	301	887	1415	2304	3351 *	4519 *
25.5	0	10	33	59	370	1063	1744	2854 *	4176 *	5741 *
22.5	0	10	34	64	421	1229	2037	3349 *	4962 *	6920 *
19.5	0	10	35	68	470	1377	2341	3842 *	5760 *	8157 *
17.0	0	11	36	71	515	1501	2552 *	4209 *	6453 *	9202 *
15.0	0	11	36	72	546	1600	2716 *	4470 *	6952 *	9908 *
13.0	0	11	37	74	571	1684	2857 *	4747 *	7400 *	10601 *
11.0	0	11	37	75	590	1753	2976 *	4976 *	7826 *	11216 *
9.0	0	11	37	76	604	1808	3075 *	5159 *	8184 *	11744 *
7.0	0	11	38	77	614	1849	3153 *	5294 *	8465 *	12154 *
5.0	0	11	38	77	621	1875	3210 *	5383 *	8663 *	12439 *
3.0	0	11	38	78	629	1898	3291 *	5441 *	8780 *	12618 *
1.0	0	11	38	78	623	1887	3302 *	5482 *	8814 *	12708 *
0.0	0	11	38	78	619	1882	3308 *	5478 *	8800 *	12711 *
-1.0	0	11	38	78	623	1887	3302 *	5482 *	8814 *	12708 *
-3.0	0	11	38	78	629	1898	3291 *	5441 *	8780 *	12618 *
-5.0	0	11	38	77	621	1875	3210 *	5383 *	8663 *	12439 *
-7.0	0	11	38	77	614	1849	3153 *	5294 *	8465 *	12154 *
-9.0	0	11	37	76	604	1808	3075 *	5159 *	8184 *	11744 *
-11.0	0	11	37	75	590	1753	2976 *	4976 *	7826 *	11216 *
-13.0	0	11	37	74	571	1684	2857 *	4747 *	7400 *	10601 *
-15.0	0	11	36	72	546	1600	2716 *	4470 *	6952 *	9908 *
-17.0	0	11	36	71	515	1501	2552 *	4209 *	6453 *	9202 *
-19.5	0	10	35	68	470	1377	2341	3842 *	5760 *	8157 *
-22.5	0	10	34	64	421	1229	2037	3349 *	4962 *	6920 *
-25.5	0	10	33	59	370	1063	1744	2854 *	4176 *	5741 *
-29.0	0	10	31	57	301	887	1415	2304	3351 *	4519 *
-33.0	0	9	29	54	241	700	1103	1757	2507	3357 *
-37.5	0	9	27	51	172	525	807	1244	1813	2382
-42.5	0	8	25	46	109	355	585	861	1207	1598
-47.5	0	8	22	41	71	230	385	586	789	1039
-55.0	0	7	18	32	45	93	167	261	354	441
-65.0	0	5	14	23	30	36	45	69	100	126
-75.0	0	3	9	14	18	21	23	25	26	28
-85.0	0	1	4	7	9	9	10	11	12	13
-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	14	14	14	15	15	15	15	16	16	16
75.0	30	32	33	34	34	35	35	35	36	36
65.0	149	169	192	210	223	235	242	248	253	257
55.0	536	608	689	771	830	883	921	948	969	983
47.5	1278	1509	1754	1954	2113	2266	2410	2505	2583 *	2644 *
42.5	2008	2361	2729 *	3032 *	3284 *	3526 *	3747 *	3910 *	4028 *	4122 *
37.5	2946 *	3498 *	4114 *	4601 *	4950 *	5344 *	5705 *	6019 *	6207 *	6329 *
33.0	4249 *	5100 *	5969 *	6839 *	7501 *	8088 *	8709 *	9278 *	9712 *	10027 *
29.0	5790 *	7093 *	8499 *	9766 *	10761 *	11728 *	12538 *	13258 *	13831 *	14170 *
25.5	7471 *	9189 *	11038 *	12522 *	13685 *	14742 *	15659 *	16355 *	16884 *	17204 *
22.5	9139 *	11177 *	13289 *	14909 *	16085 *	17166 *	18057 *	18666 *	19146 *	19497 *
19.5	10829 *	13093 *	15394 *	17100 *	18303 *	19329 *	20115 *	20700 *	21144 *	21431 *
17.0	12015 *	14570 *	16780 *	18542 *	19809 *	20726 *	21594 *	22044 *	22353 *	22631 *
15.0	12906 *	15453 *	17631 *	19438 *	20592 *	21587 *	22352 *	22842 *	23051 *	23268 *
13.0	13658 *	16226 *	18377 *	20076 *	21290 *	22249 *	22998 *	23445 *	23674 *	23828 *
11.0	14313 *	16954 *	19005 *	20752 *	21806 *	22792 *	23597 *	23971 *	24181 *	24320 *
9.0	14889 *	17491 *	19555 *	21250 *	22371 *	23292 *	24009 *	24425 *	24590 *	24724 *
7.0	15380 *	17947 *	20071 *	21730 *	22779 *	23678 *	24370 *	24690 *	24925 *	25033 *
5.0	15752 *	18299 *	20428 *	22139 *	23024 *	23935 *	24690 *	24925 *	25074 *	25260 *
3.0	15969 *	18552 *	20634 *	22330 *	23178 *	24135 *	24758 *	25053 *	25254 *	25298 *
1.0	16040 *	18684 *	20677 *	22364 *	23294 *	24253 *	24816 *	25115 *	25263 *	25319 *
0.0	16022 *	18662 *	20624 *	22328 *	23295 *	24306 *	24869 *	25154 *	25280 *	25314 *
-1.0	16040 *	18684 *	20677 *	22364 *	23294 *	24253 *	24816 *	25115 *	25263 *	25319 *
-3.0	15969 *	18552 *	20634 *	22330 *	23178 *	24135 *	24758 *	25053 *	25254 *	25298 *
-5.0	15752 *	18299 *	20428 *	22139 *	23024 *	23935 *	24690 *	24925 *	25074 *	25260 *
-7.0	15380 *	17947 *	20071 *	21730 *	22779 *	23678 *	24370 *	24690 *	24925 *	25033 *
-9.0	14889 *	17491 *	19555 *	21250 *	22371 *	23292 *	24009 *	24425 *	24590 *	24724 *
-11.0	14313 *	16954 *	19005 *	20752 *	21806 *	22792 *	23597 *	23971 *	24181 *	24320 *
-13.0	13658 *	16226 *	18377 *	20076 *	21290 *	22249 *	22998 *	23445 *	23674 *	23828 *
-15.0	12906 *	15453 *	17631 *	19438 *	20592 *	21587 *	22352 *	22842 *	23051 *	23268 *
-17.0	12015 *	14570 *	16780 *	18542 *	19809 *	20726 *	21594 *	22044 *	22353 *	22631 *
-19.5	10829 *	13093 *	15394 *	17100 *	18303 *	19329 *	20115 *	20700 *	21144 *	21431 *
-22.5	9139 *	11177 *	13289 *	14909 *	16085 *	17166 *	18057 *	18666 *	19146 *	19497 *
-25.5	7471 *	9189 *	11038 *	12522 *	13685 *	14742 *	15659 *	16355 *	16884 *	17204 *
-29.0	5790 *	7093 *	8499 *	9766 *	10761 *	11728 *	12538 *	13258 *	13831 *	14170 *
-33.0	4249 *	5100 *	5969 *	6839 *	7501 *	8088 *	8709 *	9278 *	9712 *	10027 *
-37.5	2946 *	3498 *	4114 *	4601 *	4950 *	5344 *	5705 *	6019 *	6207 *	6329 *
-42.5	2008	2361	2729 *	3032 *	3284 *	3526 *	3747 *	3910 *	4028 *	4122 *
-47.5	1278	1509	1754	1954	2113	2266	2410	2505	2583 *	2644 *
-55.0	536	608	689	771	830	883	921	948	969	983
-65.0	149	169	192	210	223	235	242	248	253	257
-75.0	30	32	33	34	34	35	35	35	36	36
-85.0	14	14	14	15	15	15	15	16	16	16
-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	36	36	36	36	36	36	36	35	35	35
65.0	262	263	264	263	262	257	253	248	242	235

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CANDELA TABULATION - (Cont.)

55.0	994	984	979	984	994	983	969	948	921	883
47.5	2698 *	2692 *	2689 *	2692 *	2698 *	2644 *	2583 *	2505	2410	2266
42.5	4218 *	4239 *	4250 *	4239 *	4218 *	4122 *	4028 *	3910 *	3747 *	3526 *
37.5	6392 *	6449 *	6451 *	6449 *	6392 *	6329 *	6207 *	6019 *	5705 *	5344 *
33.0	10238 *	10313 *	10309 *	10313 *	10238 *	10027 *	9712 *	9278 *	8709 *	8088 *
29.0	14384 *	14452 *	14438 *	14452 *	14384 *	14170 *	13831 *	13258 *	12538 *	11728 *
25.5	17398 *	17471 *	17460 *	17471 *	17398 *	17204 *	16884 *	16355 *	15659 *	14742 *
22.5	19698 *	19769 *	19724 *	19769 *	19698 *	19497 *	19146 *	18666 *	18057 *	17166 *
19.5	21524 *	21520 *	21480 *	21520 *	21524 *	21431 *	21144 *	20700 *	20115 *	19329 *
17.0	22775 *	22798 *	22776 *	22798 *	22775 *	22631 *	22353 *	22044 *	21594 *	20726 *
15.0	23389 *	23427 *	23395 *	23427 *	23389 *	23268 *	23051 *	22842 *	22352 *	21587 *
13.0	23941 *	23975 *	23989 *	23975 *	23941 *	23828 *	23674 *	23445 *	22998 *	22249 *
11.0	24412 *	24444 *	24471 *	24444 *	24412 *	24320 *	24181 *	23971 *	23597 *	22792 *
9.0	24808 *	24846 *	24871 *	24846 *	24808 *	24724 *	24590 *	24425 *	24009 *	23292 *
7.0	25122 *	25171 *	25191 *	25171 *	25122 *	25033 *	24925 *	24690 *	24370 *	23678 *
5.0	25297 *	25387 *	25409 *	25387 *	25297 *	25260 *	25074 *	24925 *	24690 *	23935 *
3.0	25407 *	25461 *	25510 *	25461 *	25407 *	25298 *	25254 *	25053 *	24758 *	24135 *
1.0	25342 *	25411 *	25434 *	25411 *	25342 *	25319 *	25263 *	25115 *	24816 *	24253 *
0.0	25318 *	25348 *	25367 *	25348 *	25318 *	25314 *	25280 *	25154 *	24869 *	24306 *
-1.0	25342 *	25411 *	25434 *	25411 *	25342 *	25319 *	25263 *	25115 *	24816 *	24253 *
-3.0	25407 *	25461 *	25510 *	25461 *	25407 *	25298 *	25254 *	25053 *	24758 *	24135 *
-5.0	25297 *	25387 *	25409 *	25387 *	25297 *	25260 *	25074 *	24925 *	24690 *	23935 *
-7.0	25122 *	25171 *	25191 *	25171 *	25122 *	25033 *	24925 *	24690 *	24370 *	23678 *
-9.0	24808 *	24846 *	24871 *	24846 *	24808 *	24724 *	24590 *	24425 *	24009 *	23292 *
-11.0	24412 *	24444 *	24471 *	24444 *	24412 *	24320 *	24181 *	23971 *	23597 *	22792 *
-13.0	23941 *	23975 *	23989 *	23975 *	23941 *	23828 *	23674 *	23445 *	22998 *	22249 *
-15.0	23389 *	23427 *	23395 *	23427 *	23389 *	23268 *	23051 *	22842 *	22352 *	21587 *
-17.0	22775 *	22798 *	22776 *	22798 *	22775 *	22631 *	22353 *	22044 *	21594 *	20726 *
-19.5	21524 *	21520 *	21480 *	21520 *	21524 *	21431 *	21144 *	20700 *	20115 *	19329 *
-22.5	19698 *	19769 *	19724 *	19769 *	19698 *	19497 *	19146 *	18666 *	18057 *	17166 *
-25.5	17398 *	17471 *	17460 *	17471 *	17398 *	17204 *	16884 *	16355 *	15659 *	14742 *
-29.0	14384 *	14452 *	14438 *	14452 *	14384 *	14170 *	13831 *	13258 *	12538 *	11728 *
-33.0	10238 *	10313 *	10309 *	10313 *	10238 *	10027 *	9712 *	9278 *	8709 *	8088 *
-37.5	6392 *	6449 *	6451 *	6449 *	6392 *	6329 *	6207 *	6019 *	5705 *	5344 *
-42.5	4218 *	4239 *	4250 *	4239 *	4218 *	4122 *	4028 *	3910 *	3747 *	3526 *
-47.5	2698 *	2692 *	2689 *	2692 *	2698 *	2644 *	2583 *	2505	2410	2266
-55.0	994	984	979	984	994	983	969	948	921	883
-65.0	262	263	264	263	262	257	253	248	242	235
-75.0	36	36	36	36	36	36	36	35	35	35
-85.0	16	16	16	16	16	16	16	16	15	15
-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	15	15	14	14	14	13	12	11	10	9
75.0	34	34	33	32	30	28	26	25	23	21
65.0	223	210	192	169	149	126	100	69	45	36
55.0	830	771	689	608	536	441	354	261	167	93
47.5	2113	1954	1754	1509	1278	1039	789	586	385	230
42.5	3284 *	3032 *	2729 *	2361	2008	1598	1207	861	585	355
37.5	4950 *	4601 *	4114 *	3498 *	2946 *	2382	1813	1244	807	525
33.0	7501 *	6839 *	5969 *	5100 *	4249 *	3357 *	2507	1757	1103	700
29.0	10761 *	9766 *	8499 *	7093 *	5790 *	4519 *	3351 *	2304	1415	887
25.5	13685 *	12522 *	11038 *	9189 *	7471 *	5741 *	4176 *	2854 *	1744	1063

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CANDELA TABULATION - (Cont.)

22.5	16085 *	14909 *	13289 *	11177 *	9139 *	6920 *	4962 *	3349 *	2037	1229
19.5	18303 *	17100 *	15394 *	13093 *	10829 *	8157 *	5760 *	3842 *	2341	1377
17.0	19809 *	18542 *	16780 *	14570 *	12015 *	9202 *	6453 *	4209 *	2552 *	1501
15.0	20592 *	19438 *	17631 *	15453 *	12906 *	9908 *	6952 *	4470 *	2716 *	1600
13.0	21290 *	20076 *	18377 *	16226 *	13658 *	10601 *	7400 *	4747 *	2857 *	1684
11.0	21806 *	20752 *	19005 *	16954 *	14313 *	11216 *	7826 *	4976 *	2976 *	1753
9.0	22371 *	21250 *	19555 *	17491 *	14889 *	11744 *	8184 *	5159 *	3075 *	1808
7.0	22779 *	21730 *	20071 *	17947 *	15380 *	12154 *	8465 *	5294 *	3153 *	1849
5.0	23024 *	22139 *	20428 *	18299 *	15752 *	12439 *	8663 *	5383 *	3210 *	1875
3.0	23178 *	22330 *	20634 *	18552 *	15969 *	12618 *	8780 *	5441 *	3291 *	1898
1.0	23294 *	22364 *	20677 *	18684 *	16040 *	12708 *	8814 *	5482 *	3302 *	1887
0.0	23295 *	22328 *	20624 *	18662 *	16022 *	12711 *	8800 *	5478 *	3308 *	1882
-1.0	23294 *	22364 *	20677 *	18684 *	16040 *	12708 *	8814 *	5482 *	3302 *	1887
-3.0	23178 *	22330 *	20634 *	18552 *	15969 *	12618 *	8780 *	5441 *	3291 *	1898
-5.0	23024 *	22139 *	20428 *	18299 *	15752 *	12439 *	8663 *	5383 *	3210 *	1875
-7.0	22779 *	21730 *	20071 *	17947 *	15380 *	12154 *	8465 *	5294 *	3153 *	1849
-9.0	22371 *	21250 *	19555 *	17491 *	14889 *	11744 *	8184 *	5159 *	3075 *	1808
-11.0	21806 *	20752 *	19005 *	16954 *	14313 *	11216 *	7826 *	4976 *	2976 *	1753
-13.0	21290 *	20076 *	18377 *	16226 *	13658 *	10601 *	7400 *	4747 *	2857 *	1684
-15.0	20592 *	19438 *	17631 *	15453 *	12906 *	9908 *	6952 *	4470 *	2716 *	1600
-17.0	19809 *	18542 *	16780 *	14570 *	12015 *	9202 *	6453 *	4209 *	2552 *	1501
-19.5	18303 *	17100 *	15394 *	13093 *	10829 *	8157 *	5760 *	3842 *	2341	1377
-22.5	16085 *	14909 *	13289 *	11177 *	9139 *	6920 *	4962 *	3349 *	2037	1229
-25.5	13685 *	12522 *	11038 *	9189 *	7471 *	5741 *	4176 *	2854 *	1744	1063
-29.0	10761 *	9766 *	8499 *	7093 *	5790 *	4519 *	3351 *	2304	1415	887
-33.0	7501 *	6839 *	5969 *	5100 *	4249 *	3357 *	2507	1757	1103	700
-37.5	4950 *	4601 *	4114 *	3498 *	2946 *	2382	1813	1244	807	525
-42.5	3284 *	3032 *	2729 *	2361	2008	1598	1207	861	585	355
-47.5	2113	1954	1754	1509	1278	1039	789	586	385	230
-55.0	830	771	689	608	536	441	354	261	167	93
-65.0	223	210	192	169	149	126	100	69	45	36
-75.0	34	34	33	32	30	28	26	25	23	21
-85.0	15	15	14	14	14	13	12	11	10	9
-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	4	1	0
75.0	18	14	9	3	0
65.0	30	23	14	5	0
55.0	45	32	18	7	0
47.5	71	41	22	8	0
42.5	109	46	25	8	0
37.5	172	51	27	9	0
33.0	241	54	29	9	0
29.0	301	57	31	10	0
25.5	370	59	33	10	0
22.5	421	64	34	10	0
19.5	470	68	35	10	0
17.0	515	71	36	11	0
15.0	546	72	36	11	0
13.0	571	74	37	11	0
11.0	590	75	37	11	0
9.0	604	76	37	11	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	614	77	38	11	0
5.0	621	77	38	11	0
3.0	629	78	38	11	0
1.0	623	78	38	11	0
0.0	619	78	38	11	0
-1.0	623	78	38	11	0
-3.0	629	78	38	11	0
-5.0	621	77	38	11	0
-7.0	614	77	38	11	0
-9.0	604	76	37	11	0
-11.0	590	75	37	11	0
-13.0	571	74	37	11	0
-15.0	546	72	36	11	0
-17.0	515	71	36	11	0
-19.5	470	68	35	10	0
-22.5	421	64	34	10	0
-25.5	370	59	33	10	0
-29.0	301	57	31	10	0
-33.0	241	54	29	9	0
-37.5	172	51	27	9	0
-42.5	109	46	25	8	0
-47.5	71	41	22	8	0
-55.0	45	32	18	7	0
-65.0	30	23	14	5	0
-75.0	18	14	9	3	0
-85.0	9	7	4	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12633.65

Total Field Lumens (one side of beam only) = 11727.37

* 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	0.08	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.17
65	0.46	0.91	0.90	0.88	0.86	0.84	0.81	0.78	0.73	0.85
55	1.90	3.81	3.79	3.73	3.65	3.54	3.40	3.21	2.98	3.37
47.5	4.19	8.41	8.34	8.16	7.92	7.63	7.24	6.75	6.22	7.01
42.5	5.28 *	10.54 *	10.39 *	10.13 *	9.82 *	9.43 *	8.90 *	8.27 *	7.60 *	8.56
37.5	8.14 *	16.21 *	16.00 *	15.67 *	15.21 *	14.53 *	13.65 *	12.64 *	11.61 *	13.09 *
33	11.49 *	22.87 *	22.55 *	22.00 *	21.19 *	20.05 *	18.67 *	17.21 *	15.74 *	17.51 *
29	15.08 *	30.07 *	29.67 *	28.92 *	27.80 *	26.27 *	24.47 *	22.51 *	20.42 *	22.47 *
25.5	17.01 *	33.94 *	33.58 *	32.92 *	31.85 *	30.35 *	28.50 *	26.33 *	23.95 *	26.47 *
22.5	17.00 *	33.94 *	33.64 *	33.05 *	32.15 *	30.93 *	29.33 *	27.34 *	25.12 *	28.07 *
19.5	18.85 *	37.68 *	37.44 *	36.91 *	36.04 *	34.89 *	33.37 *	31.42 *	29.16 *	32.92 *
17	16.86 *	33.72 *	33.56 *	33.16 *	32.52 *	31.67 *	30.45 *	28.88 *	26.99 *	30.65 *
15	14.07 *	28.12 *	27.97 *	27.66 *	27.23 *	26.65 *	25.70 *	24.45 *	22.95 *	26.18 *
13	14.44 *	28.84 *	28.69 *	28.42 *	28.06 *	27.49 *	26.57 *	25.33 *	23.83 *	27.31 *
11	14.75 *	29.46 *	29.32 *	29.08 *	28.74 *	28.20 *	27.30 *	26.05 *	24.57 *	28.28 *
9	15.02 *	29.99 *	29.86 *	29.63 *	29.31 *	28.80 *	27.91 *	26.68 *	25.23 *	29.13 *
7	15.24 *	30.43 *	30.29 *	30.07 *	29.75 *	29.25 *	28.41 *	27.23 *	25.80 *	29.87 *
5	15.41 *	30.74 *	30.60 *	30.38 *	30.05 *	29.60 *	28.80 *	27.61 *	26.26 *	30.51 *
3	15.50 *	30.91 *	30.77 *	30.56 *	30.26 *	29.83 *	29.06 *	27.86 *	26.55 *	30.93 *
1	15.51 *	30.94 *	30.80 *	30.64 *	30.37 *	29.92 *	29.19 *	28.04 *	26.69 *	31.10 *
0	7.73 *	15.44 *	15.39 *	15.32 *	15.20 *	14.99 *	14.64 *	14.06 *	13.36 *	15.55 *
-1	7.73 *	15.44 *	15.39 *	15.32 *	15.20 *	14.99 *	14.64 *	14.06 *	13.36 *	15.55 *
	15.51 *	30.94 *	30.80 *	30.64 *	30.37 *	29.92 *	29.19 *	28.04 *	26.69 *	31.10 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	15.50 *	30.91 *	30.77 *	30.56 *	30.26 *	29.83 *	29.06 *	27.86 *	26.55 *	30.93 *
-5	15.41 *	30.74 *	30.60 *	30.38 *	30.05 *	29.60 *	28.80 *	27.61 *	26.26 *	30.51 *
-7	15.24 *	30.43 *	30.29 *	30.07 *	29.75 *	29.25 *	28.41 *	27.23 *	25.80 *	29.87 *
-9	15.02 *	29.99 *	29.86 *	29.63 *	29.31 *	28.80 *	27.91 *	26.68 *	25.23 *	29.13 *
-11	14.75 *	29.46 *	29.32 *	29.08 *	28.74 *	28.20 *	27.30 *	26.05 *	24.57 *	28.28 *
-13	14.44 *	28.84 *	28.69 *	28.42 *	28.06 *	27.49 *	26.57 *	25.33 *	23.83 *	27.31 *
-15	14.07 *	28.12 *	27.97 *	27.66 *	27.23 *	26.65 *	25.70 *	24.45 *	22.95 *	26.18 *
-17	16.86 *	33.72 *	33.56 *	33.16 *	32.52 *	31.67 *	30.45 *	28.88 *	26.99 *	30.65 *
-19.5	18.85 *	37.68 *	37.44 *	36.91 *	36.04 *	34.89 *	33.37 *	31.42 *	29.16 *	32.92 *
-22.5	17.00 *	33.94 *	33.64 *	33.05 *	32.15 *	30.93 *	29.33 *	27.34 *	25.12 *	28.07 *
-25.5	17.01 *	33.94 *	33.58 *	32.92 *	31.85 *	30.35 *	28.50 *	26.33 *	23.95 *	26.47 *
-29	15.08 *	30.07 *	29.67 *	28.92 *	27.80 *	26.27 *	24.47 *	22.51 *	20.42 *	22.47 *
-33	11.49 *	22.87 *	22.55 *	22.00 *	21.19 *	20.05 *	18.67 *	17.21 *	15.74 *	17.51 *
-37.5	8.14 *	16.21 *	16.00 *	15.67 *	15.21 *	14.53 *	13.65 *	12.64 *	11.61 *	13.09 *
-42.5	5.28 *	10.54 *	10.39 *	10.13 *	9.82 *	9.43 *	8.90 *	8.27 *	7.60 *	8.56
-47.5	4.19	8.41	8.34	8.16	7.92	7.63	7.24	6.75	6.22	7.01
-55	1.90	3.81	3.79	3.73	3.65	3.54	3.40	3.21	2.98	3.37
-65	0.46	0.91	0.90	0.88	0.86	0.84	0.81	0.78	0.73	0.85
-75	0.08	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.17
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
-90										
Total	488.05	974.27	967.50	954.93	936.28	910.04	873.09	825.63	771.91	880.00

Vert. Angles	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
85	0.20	0.19	0.20	0.21	0.21	0.20	0.17	0.20	0.18	0.09
75	0.91	0.79	0.79	0.73	0.62	0.47	0.34	0.38	0.32	0.16
65	3.54	3.05	2.97	2.67	2.19	1.58	0.92	0.73	0.49	0.23
55	7.29	6.15	5.85	5.14	4.18	3.06	1.77	1.18	0.54	0.22

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	8.91	7.47	7.02	6.05	4.82	3.52	2.09	1.37	0.51	0.17
42.5	13.54 *	11.28 *	10.58	9.14	7.17	5.10	3.06	2.07	0.72	0.19
37.5	17.93 *	14.83 *	13.79 *	11.82	9.22	6.44	3.80	2.63	0.89	0.19
33	22.74 *	18.56 *	16.98 *	14.34 *	11.10	7.67	4.42	3.04	0.99	0.18
29	26.74 *	21.58 *	19.50 *	16.25 *	12.42 *	8.49	4.81	3.28	1.05	0.16
25.5	28.59 *	23.15 *	20.80 *	17.07 *	12.88 *	8.73	4.90	3.30	1.04	0.15
22.5	33.88 *	27.70 *	24.91 *	20.20 *	15.04 *	10.12 *	5.64	3.75	1.17	0.16
19.5	31.90 *	26.35 *	23.81 *	19.30 *	14.17 *	9.44 *	5.23	3.45	1.07	0.14
17	27.48 *	22.93 *	20.86 *	16.98 *	12.36 *	8.13 *	4.51	2.97	0.92	0.11
15	28.87 *	24.31 *	22.31 *	18.20 *	13.19 *	8.63 *	4.77	3.14	0.96	0.11
13	30.10 *	25.52 *	23.59 *	19.34 *	13.96 *	9.07 *	4.99	3.29	1.00	0.12
11	31.14 *	26.56 *	24.72 *	20.35 *	14.63 *	9.44 *	5.17	3.40	1.02	0.12
9	32.02 *	27.42 *	25.67 *	21.17 *	15.17 *	9.73 *	5.32	3.48	1.04	0.12
7	32.73 *	28.12 *	26.40 *	21.78 *	15.56 *	9.94 *	5.43	3.54	1.06	0.12
5	33.23 *	28.62 *	26.90 *	22.19 *	15.82 *	10.10 *	5.53 *	3.59	1.07	0.12
3	33.50 *	28.90 *	27.17 *	22.41 *	15.96 *	10.22 *	5.59 *	3.60	1.07	0.12
1	16.77 *	14.48 *	13.62 *	11.23 *	7.99 *	5.12 *	2.79 *	1.79	0.53	0.06
0	16.77 *	14.48 *	13.62 *	11.23 *	7.99 *	5.12 *	2.79 *	1.79	0.53	0.06
-1	33.50 *	28.90 *	27.17 *	22.41 *	15.96 *	10.22 *	5.59 *	3.60	1.07	0.12
-3	33.23 *	28.62 *	26.90 *	22.19 *	15.82 *	10.10 *	5.53 *	3.59	1.07	0.12
-5	32.73 *	28.12 *	26.40 *	21.78 *	15.56 *	9.94 *	5.43	3.54	1.06	0.12
-7	32.02 *	27.42 *	25.67 *	21.17 *	15.17 *	9.73 *	5.32	3.48	1.04	0.12
-9	31.14 *	26.56 *	24.72 *	20.35 *	14.63 *	9.44 *	5.17	3.40	1.02	0.12
-11	30.10 *	25.52 *	23.59 *	19.34 *	13.96 *	9.07 *	4.99	3.29	1.00	0.12
-13	28.87 *	24.31 *	22.31 *	18.20 *	13.19 *	8.63 *	4.77	3.14	0.96	0.11
-15	27.48 *	22.93 *	20.86 *	16.98 *	12.36 *	8.13 *	4.51	2.97	0.92	0.11
-17	31.90 *	26.35 *	23.81 *	19.30 *	14.17 *	9.44 *	5.23	3.45	1.07	0.14
-19.5	33.88 *	27.70 *	24.91 *	20.20 *	15.04 *	10.12 *	5.64	3.75	1.17	0.16

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	28.59 *	23.15 *	20.80 *	17.07 *	12.88 *	8.73	4.90	3.30	1.04	0.15
-25.5	26.74 *	21.58 *	19.50 *	16.25 *	12.42 *	8.49	4.81	3.28	1.05	0.16
-29	22.74 *	18.56 *	16.98 *	14.34 *	11.10	7.67	4.42	3.04	0.99	0.18
-33	17.93 *	14.83 *	13.79 *	11.82	9.22	6.44	3.80	2.63	0.89	0.19
-37.5	13.54 *	11.28 *	10.58	9.14	7.17	5.10	3.06	2.07	0.72	0.19
-42.5	8.91	7.47	7.02	6.05	4.82	3.52	2.09	1.37	0.51	0.17
-47.5	7.29	6.15	5.85	5.14	4.18	3.06	1.77	1.18	0.54	0.22
-55	3.54	3.05	2.97	2.67	2.19	1.58	0.92	0.73	0.49	0.23
-65	0.91	0.79	0.79	0.73	0.62	0.47	0.34	0.38	0.32	0.16
-75	0.20	0.19	0.20	0.21	0.21	0.20	0.17	0.20	0.18	0.09
-85	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
-90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
Total	924.10	776.02	716.96	593.18	437.33	290.48	162.54	108.43	35.34	6.09

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.52	
85				
	0.02	0.00	3.34	
75				
	0.04	0.00	13.56	
65				
	0.06	0.00	51.78	
55				
	0.05	0.00	107.31	
47.5				
	0.04	0.00	130.88	
42.5				
	0.05	0.00	199.65	
37.5				
	0.04	0.00	270.86	
33				
	0.04	0.00	347.75	
29				
	0.04	0.00	399.21	
25.5				
	0.03	0.00	411.24	
22.5				
	0.04	0.00	471.27	
19.5				
	0.03	0.00	433.35	
17				
	0.02	0.00	368.26	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

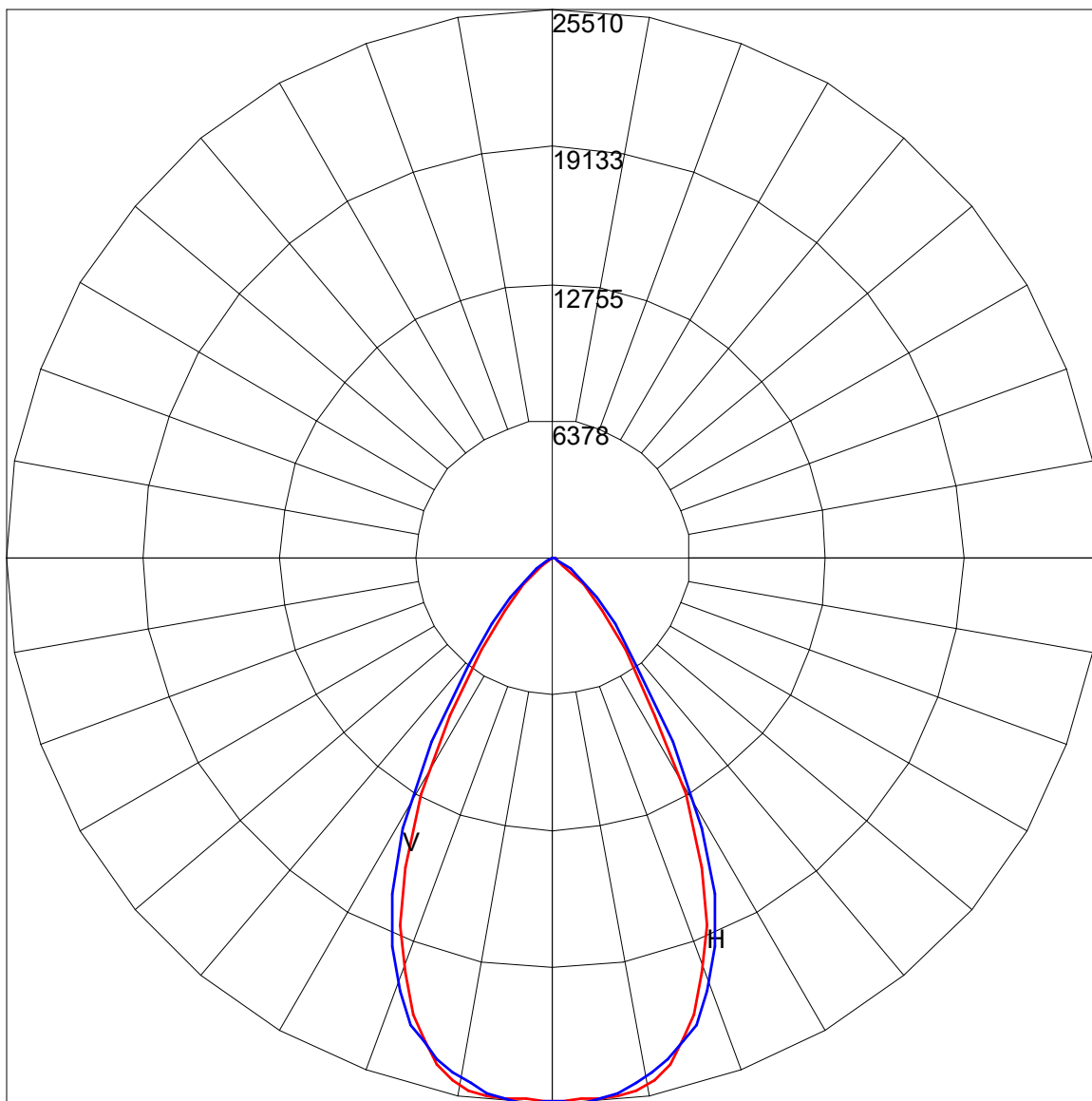
15	0.03	0.00	383.49
13	0.03	0.00	396.76
11	0.03	0.00	408.14
9	0.03	0.00	417.50
7	0.03	0.00	424.67
5	0.03	0.00	429.42
3	0.03	0.00	431.74
1	0.01	0.00	216.10
0	0.01	0.00	216.10
-1	0.03	0.00	431.74
-3	0.03	0.00	429.42
-5	0.03	0.00	424.67
-7	0.03	0.00	417.50
-9	0.03	0.00	408.14
-11	0.03	0.00	396.76
-13	0.03	0.00	383.49
-15	0.02	0.00	368.26
-17	0.03	0.00	433.35
-19.5	0.04	0.00	471.27
-22.5	0.03	0.00	411.24
-25.5	0.04	0.00	399.21
-29	0.04	0.00	347.75
-33	0.04	0.00	270.86
-37.5	0.05	0.00	199.65
-42.5	0.04	0.00	130.88
-47.5	0.05	0.00	107.31
-55	0.06	0.00	51.78
-65	0.04	0.00	13.56

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

LUMENS TABULATION - (Cont.)

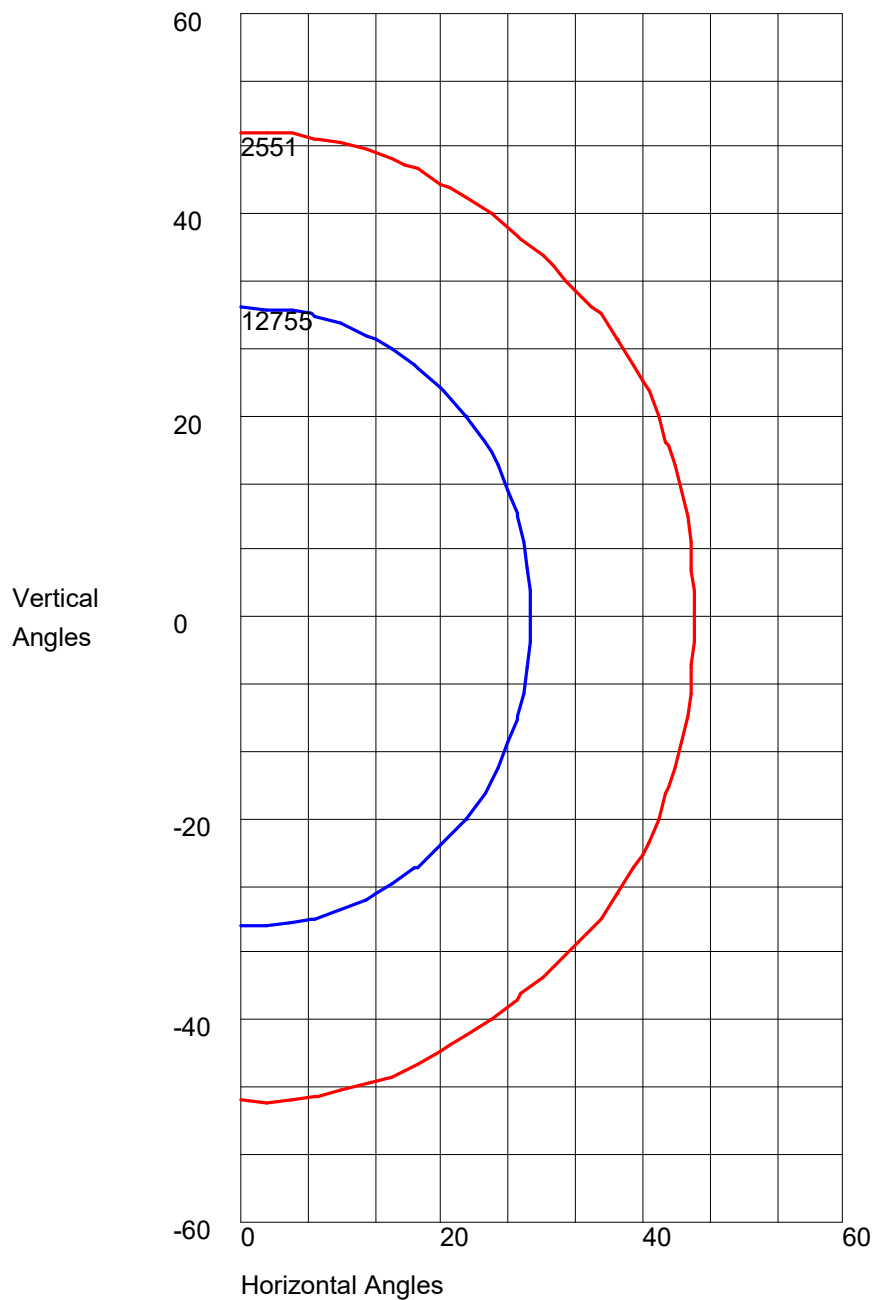
-75	0.02	0.00	3.34
-85	0.00	0.00	0.52
-90			
Total	1.42	0.04	12633.63

AXIAL CANDELA DISPLAY



Maximum Candela = 25510 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 25510 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 12755
10% Maximum Candela = 2551