



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-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-42L-PC-WF-50-80-FGS

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 4000

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	35449
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	23010
Beam Efficiency	N.A.
Field Lumens	32593
Field Efficiency	N.A.
Spill Lumens	2519
Luminaire Lumens	35112
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	15	85	22
75	53	75	51
65	108	65	368
55	861	55	1361
47.5	2615	47.5	3737
42.5	4597	42.5	5906
37.5	7612	37.5	8965
33	12228	33	14326
29	17663	29	20063
25.5	22265	25.5	24264
22.5	25933	22.5	27409
19.5	28661	19.5	29849
17	31027	17	31650
15	32372	15	32510
13	33777	13	33336
11	34559	11	34006
9	34954	9	34562
7	35129	7	35008
5	35177	5	35310
3	35183	3	35449
1	35224	1	35344
0	35251	0	35251
-1	35224	-1	35344
-3	35183	-3	35449
-5	35177	-5	35310
-7	35129	-7	35008
-9	34954	-9	34562
-11	34559	-11	34006
-13	33777	-13	33336
-15	32372	-15	32510
-17	31027	-17	31650
-19.5	28661	-19.5	29849
-22.5	25933	-22.5	27409
-25.5	22265	-25.5	24264
-29	17663	-29	20063
-33	12228	-33	14326
-37.5	7612	-37.5	8965
-42.5	4597	-42.5	5906
-47.5	2615	-47.5	3737
-55	861	-55	1361
-65	108	-65	368
-75	53	-75	51
-85	15	-85	22
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 35449

Beam Edge = 17724.5 Cd (50% of Max.)

Field Edge = 3544.9 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	2	5	9	12	14	15	16	17	18
75.0	0	5	13	19	25	29	32	34	36	39
65.0	0	8	19	31	42	50	63	95	139	176
55.0	0	10	26	46	62	129	233	363	492	612
47.5	0	11	31	57	98	320	535	814	1097	1443
42.5	0	12	35	63	152	493	812	1196	1676	2221
37.5	0	13	39	70	238	730	1122	1729	2519	3310
33.0	0	13	42	75	334	972	1532	2442	3484	4665 *
29.0	0	13	45	79	418	1232	1967	3203	4656 *	6280 *
25.5	0	14	46	83	514	1477	2423	3966 *	5804 *	7978 *
22.5	0	14	48	89	585	1707	2830	4654 *	6895 *	9617 *
19.5	0	14	49	94	653	1913	3252	5338 *	8004 *	11336 *
17.0	0	14	50	98	716	2085	3546 *	5848 *	8967 *	12788 *
15.0	0	15	51	100	758	2223	3773 *	6211 *	9661 *	13769 *
13.0	0	15	51	102	793	2340	3969 *	6596 *	10284 *	14731 *
11.0	0	15	52	103	820	2436	4135 *	6914 *	10877 *	15586 *
9.0	0	15	52	105	840	2512	4273 *	7168 *	11374 *	16320 *
7.0	0	15	52	106	853	2569	4382 *	7357 *	11763 *	16888 *
5.0	0	15	53	107	864	2606	4461 *	7479 *	12039 *	17285 *
3.0	0	15	53	108	875	2638	4573 *	7561 *	12200 *	17535 *
1.0	0	15	53	108	866	2623	4589 *	7617 *	12249 *	17660 *
0.0	0	15	53	108	861	2615	4597 *	7612 *	12228 *	17663 *
-1.0	0	15	53	108	866	2623	4589 *	7617 *	12249 *	17660 *
-3.0	0	15	53	108	875	2638	4573 *	7561 *	12200 *	17535 *
-5.0	0	15	53	107	864	2606	4461 *	7479 *	12039 *	17285 *
-7.0	0	15	52	106	853	2569	4382 *	7357 *	11763 *	16888 *
-9.0	0	15	52	105	840	2512	4273 *	7168 *	11374 *	16320 *
-11.0	0	15	52	103	820	2436	4135 *	6914 *	10877 *	15586 *
-13.0	0	15	51	102	793	2340	3969 *	6596 *	10284 *	14731 *
-15.0	0	15	51	100	758	2223	3773 *	6211 *	9661 *	13769 *
-17.0	0	14	50	98	716	2085	3546 *	5848 *	8967 *	12788 *
-19.5	0	14	49	94	653	1913	3252	5338 *	8004 *	11336 *
-22.5	0	14	48	89	585	1707	2830	4654 *	6895 *	9617 *
-25.5	0	14	46	83	514	1477	2423	3966 *	5804 *	7978 *
-29.0	0	13	45	79	418	1232	1967	3203	4656 *	6280 *
-33.0	0	13	42	75	334	972	1532	2442	3484	4665 *
-37.5	0	13	39	70	238	730	1122	1729	2519	3310
-42.5	0	12	35	63	152	493	812	1196	1676	2221
-47.5	0	11	31	57	98	320	535	814	1097	1443
-55.0	0	10	26	46	62	129	233	363	492	612
-65.0	0	8	19	31	42	50	63	95	139	176
-75.0	0	5	13	19	25	29	32	34	36	39
-85.0	0	2	5	9	12	14	15	16	17	18
-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	19	19	20	20	21	21	21	22	22	22
75.0	42	44	46	47	48	48	49	49	50	50
65.0	207	236	267	292	311	326	337	345	352	358
55.0	744	846	957	1071	1153	1227	1280	1317	1346	1366
47.5	1776	2097	2437	2716	2936	3149	3348	3481	3589 *	3674 *
42.5	2790	3281	3793 *	4214 *	4564 *	4899 *	5206 *	5432 *	5597 *	5727 *
37.5	4094 *	4861 *	5716 *	6393 *	6878 *	7425 *	7928 *	8365 *	8626 *	8795 *
33.0	5904 *	7087 *	8295 *	9504 *	10424 *	11239 *	12102 *	12892 *	13496 *	13934 *
29.0	8046 *	9857 *	11811 *	13571 *	14954 *	16298 *	17423 *	18423 *	19220 *	19690 *
25.5	10382 *	12769 *	15340 *	17401 *	19018 *	20487 *	21762 *	22728 *	23463 *	23907 *
22.5	12700 *	15533 *	18467 *	20719 *	22353 *	23855 *	25093 *	25938 *	26607 *	27094 *
19.5	15048 *	18195 *	21393 *	23763 *	25434 *	26861 *	27954 *	28765 *	29382 *	29781 *
17.0	16697 *	20247 *	23318 *	25766 *	27527 *	28801 *	30008 *	30633 *	31062 *	31449 *
15.0	17934 *	21474 *	24500 *	27011 *	28616 *	29998 *	31061 *	31742 *	32032 *	32333 *
13.0	18979 *	22547 *	25537 *	27898 *	29586 *	30918 *	31959 *	32580 *	32898 *	33112 *
11.0	19890 *	23559 *	26410 *	28838 *	30302 *	31672 *	32791 *	33310 *	33603 *	33796 *
9.0	20691 *	24306 *	27175 *	29529 *	31088 *	32367 *	33363 *	33941 *	34171 *	34357 *
7.0	21373 *	24939 *	27892 *	30197 *	31655 *	32904 *	33866 *	34310 *	34636 *	34787 *
5.0	21889 *	25429 *	28387 *	30765 *	31996 *	33261 *	34311 *	34637 *	34845 *	35101 *
3.0	22191 *	25780 *	28672 *	31030 *	32208 *	33538 *	34404 *	34816 *	35093 *	35155 *
1.0	22289 *	25963 *	28733 *	31077 *	32371 *	33703 *	34485 *	34901 *	35106 *	35184 *
0.0	22265 *	25933 *	28661 *	31027 *	32372 *	33777 *	34559 *	34954 *	35129 *	35177 *
-1.0	22289 *	25963 *	28733 *	31077 *	32371 *	33703 *	34485 *	34901 *	35106 *	35184 *
-3.0	22191 *	25780 *	28672 *	31030 *	32208 *	33538 *	34404 *	34816 *	35093 *	35155 *
-5.0	21889 *	25429 *	28387 *	30765 *	31996 *	33261 *	34311 *	34637 *	34845 *	35101 *
-7.0	21373 *	24939 *	27892 *	30197 *	31655 *	32904 *	33866 *	34310 *	34636 *	34787 *
-9.0	20691 *	24306 *	27175 *	29529 *	31088 *	32367 *	33363 *	33941 *	34171 *	34357 *
-11.0	19890 *	23559 *	26410 *	28838 *	30302 *	31672 *	32791 *	33310 *	33603 *	33796 *
-13.0	18979 *	22547 *	25537 *	27898 *	29586 *	30918 *	31959 *	32580 *	32898 *	33112 *
-15.0	17934 *	21474 *	24500 *	27011 *	28616 *	29998 *	31061 *	31742 *	32032 *	32333 *
-17.0	16697 *	20247 *	23318 *	25766 *	27527 *	28801 *	30008 *	30633 *	31062 *	31449 *
-19.5	15048 *	18195 *	21393 *	23763 *	25434 *	26861 *	27954 *	28765 *	29382 *	29781 *
-22.5	12700 *	15533 *	18467 *	20719 *	22353 *	23855 *	25093 *	25938 *	26607 *	27094 *
-25.5	10382 *	12769 *	15340 *	17401 *	19018 *	20487 *	21762 *	22728 *	23463 *	23907 *
-29.0	8046 *	9857 *	11811 *	13571 *	14954 *	16298 *	17423 *	18423 *	19220 *	19690 *
-33.0	5904 *	7087 *	8295 *	9504 *	10424 *	11239 *	12102 *	12892 *	13496 *	13934 *
-37.5	4094 *	4861 *	5716 *	6393 *	6878 *	7425 *	7928 *	8365 *	8626 *	8795 *
-42.5	2790	3281	3793 *	4214 *	4564 *	4899 *	5206 *	5432 *	5597 *	5727 *
-47.5	1776	2097	2437	2716	2936	3149	3348	3481	3589 *	3674 *
-55.0	744	846	957	1071	1153	1227	1280	1317	1346	1366
-65.0	207	236	267	292	311	326	337	345	352	358
-75.0	42	44	46	47	48	48	49	49	50	50
-85.0	19	19	20	20	21	21	21	22	22	22
-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	50	51	51	51	50	50	50	49	49	48
65.0	365	367	368	367	365	358	352	345	337	326

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CANDELA TABULATION - (Cont.)

55.0	1381	1368	1361	1368	1381	1366	1346	1317	1280	1227
47.5	3749 *	3741 *	3737 *	3741 *	3749 *	3674 *	3589 *	3481	3348	3149
42.5	5861 *	5891 *	5906 *	5891 *	5861 *	5727 *	5597 *	5432 *	5206 *	4899 *
37.5	8882 *	8962 *	8965 *	8962 *	8882 *	8795 *	8626 *	8365 *	7928 *	7425 *
33.0	14226 *	14331 *	14326 *	14331 *	14226 *	13934 *	13496 *	12892 *	12102 *	11239 *
29.0	19988 *	20083 *	20063 *	20083 *	19988 *	19690 *	19220 *	18423 *	17423 *	16298 *
25.5	24178 *	24279 *	24264 *	24279 *	24178 *	23907 *	23463 *	22728 *	21762 *	20487 *
22.5	27373 *	27472 *	27409 *	27472 *	27373 *	27094 *	26607 *	25938 *	25093 *	23855 *
19.5	29910 *	29904 *	29849 *	29904 *	29910 *	29781 *	29382 *	28765 *	27954 *	26861 *
17.0	31648 *	31681 *	31650 *	31681 *	31648 *	31449 *	31062 *	30633 *	30008 *	28801 *
15.0	32502 *	32555 *	32510 *	32555 *	32502 *	32333 *	32032 *	31742 *	31061 *	29998 *
13.0	33269 *	33316 *	33336 *	33316 *	33269 *	33112 *	32898 *	32580 *	31959 *	30918 *
11.0	33923 *	33968 *	34006 *	33968 *	33923 *	33796 *	33603 *	33310 *	32791 *	31672 *
9.0	34474 *	34527 *	34562 *	34527 *	34474 *	34357 *	34171 *	33941 *	33363 *	32367 *
7.0	34911 *	34978 *	35008 *	34978 *	34911 *	34787 *	34636 *	34310 *	33866 *	32904 *
5.0	35154 *	35278 *	35310 *	35278 *	35154 *	35101 *	34845 *	34637 *	34311 *	33261 *
3.0	35306 *	35381 *	35449 *	35381 *	35306 *	35155 *	35093 *	34816 *	34404 *	33538 *
1.0	35216 *	35313 *	35344 *	35313 *	35216 *	35184 *	35106 *	34901 *	34485 *	33703 *
0.0	35183 *	35224 *	35251 *	35224 *	35183 *	35177 *	35129 *	34954 *	34559 *	33777 *
-1.0	35216 *	35313 *	35344 *	35313 *	35216 *	35184 *	35106 *	34901 *	34485 *	33703 *
-3.0	35306 *	35381 *	35449 *	35381 *	35306 *	35155 *	35093 *	34816 *	34404 *	33538 *
-5.0	35154 *	35278 *	35310 *	35278 *	35154 *	35101 *	34845 *	34637 *	34311 *	33261 *
-7.0	34911 *	34978 *	35008 *	34978 *	34911 *	34787 *	34636 *	34310 *	33866 *	32904 *
-9.0	34474 *	34527 *	34562 *	34527 *	34474 *	34357 *	34171 *	33941 *	33363 *	32367 *
-11.0	33923 *	33968 *	34006 *	33968 *	33923 *	33796 *	33603 *	33310 *	32791 *	31672 *
-13.0	33269 *	33316 *	33336 *	33316 *	33269 *	33112 *	32898 *	32580 *	31959 *	30918 *
-15.0	32502 *	32555 *	32510 *	32555 *	32502 *	32333 *	32032 *	31742 *	31061 *	29998 *
-17.0	31648 *	31681 *	31650 *	31681 *	31648 *	31449 *	31062 *	30633 *	30008 *	28801 *
-19.5	29910 *	29904 *	29849 *	29904 *	29910 *	29781 *	29382 *	28765 *	27954 *	26861 *
-22.5	27373 *	27472 *	27409 *	27472 *	27373 *	27094 *	26607 *	25938 *	25093 *	23855 *
-25.5	24178 *	24279 *	24264 *	24279 *	24178 *	23907 *	23463 *	22728 *	21762 *	20487 *
-29.0	19988 *	20083 *	20063 *	20083 *	19988 *	19690 *	19220 *	18423 *	17423 *	16298 *
-33.0	14226 *	14331 *	14326 *	14331 *	14226 *	13934 *	13496 *	12892 *	12102 *	11239 *
-37.5	8882 *	8962 *	8965 *	8962 *	8882 *	8795 *	8626 *	8365 *	7928 *	7425 *
-42.5	5861 *	5891 *	5906 *	5891 *	5861 *	5727 *	5597 *	5432 *	5206 *	4899 *
-47.5	3749 *	3741 *	3737 *	3741 *	3749 *	3674 *	3589 *	3481	3348	3149
-55.0	1381	1368	1361	1368	1381	1366	1346	1317	1280	1227
-65.0	365	367	368	367	365	358	352	345	337	326
-75.0	50	51	51	51	50	50	50	49	49	48
-85.0	22	22	22	22	22	22	22	22	21	21
-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	20	20	19	19	18	17	16	15	14
75.0	48	47	46	44	42	39	36	34	32	29
65.0	311	292	267	236	207	176	139	95	63	50
55.0	1153	1071	957	846	744	612	492	363	233	129
47.5	2936	2716	2437	2097	1776	1443	1097	814	535	320
42.5	4564 *	4214 *	3793 *	3281	2790	2221	1676	1196	812	493
37.5	6878 *	6393 *	5716 *	4861 *	4094 *	3310	2519	1729	1122	730
33.0	10424 *	9504 *	8295 *	7087 *	5904 *	4665 *	3484	2442	1532	972
29.0	14954 *	13571 *	11811 *	9857 *	8046 *	6280 *	4656 *	3203	1967	1232
25.5	19018 *	17401 *	15340 *	12769 *	10382 *	7978 *	5804 *	3966 *	2423	1477

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	22353 *	20719 *	18467 *	15533 *	12700 *	9617 *	6895 *	4654 *	2830	1707
19.5	25434 *	23763 *	21393 *	18195 *	15048 *	11336 *	8004 *	5338 *	3252	1913
17.0	27527 *	25766 *	23318 *	20247 *	16697 *	12788 *	8967 *	5848 *	3546 *	2085
15.0	28616 *	27011 *	24500 *	21474 *	17934 *	13769 *	9661 *	6211 *	3773 *	2223
13.0	29586 *	27898 *	25537 *	22547 *	18979 *	14731 *	10284 *	6596 *	3969 *	2340
11.0	30302 *	28838 *	26410 *	23559 *	19890 *	15586 *	10877 *	6914 *	4135 *	2436
9.0	31088 *	29529 *	27175 *	24306 *	20691 *	16320 *	11374 *	7168 *	4273 *	2512
7.0	31655 *	30197 *	27892 *	24939 *	21373 *	16888 *	11763 *	7357 *	4382 *	2569
5.0	31996 *	30765 *	28387 *	25429 *	21889 *	17285 *	12039 *	7479 *	4461 *	2606
3.0	32208 *	31030 *	28672 *	25780 *	22191 *	17535 *	12200 *	7561 *	4573 *	2638
1.0	32371 *	31077 *	28733 *	25963 *	22289 *	17660 *	12249 *	7617 *	4589 *	2623
0.0	32372 *	31027 *	28661 *	25933 *	22265 *	17663 *	12228 *	7612 *	4597 *	2615
-1.0	32371 *	31077 *	28733 *	25963 *	22289 *	17660 *	12249 *	7617 *	4589 *	2623
-3.0	32208 *	31030 *	28672 *	25780 *	22191 *	17535 *	12200 *	7561 *	4573 *	2638
-5.0	31996 *	30765 *	28387 *	25429 *	21889 *	17285 *	12039 *	7479 *	4461 *	2606
-7.0	31655 *	30197 *	27892 *	24939 *	21373 *	16888 *	11763 *	7357 *	4382 *	2569
-9.0	31088 *	29529 *	27175 *	24306 *	20691 *	16320 *	11374 *	7168 *	4273 *	2512
-11.0	30302 *	28838 *	26410 *	23559 *	19890 *	15586 *	10877 *	6914 *	4135 *	2436
-13.0	29586 *	27898 *	25537 *	22547 *	18979 *	14731 *	10284 *	6596 *	3969 *	2340
-15.0	28616 *	27011 *	24500 *	21474 *	17934 *	13769 *	9661 *	6211 *	3773 *	2223
-17.0	27527 *	25766 *	23318 *	20247 *	16697 *	12788 *	8967 *	5848 *	3546 *	2085
-19.5	25434 *	23763 *	21393 *	18195 *	15048 *	11336 *	8004 *	5338 *	3252	1913
-22.5	22353 *	20719 *	18467 *	15533 *	12700 *	9617 *	6895 *	4654 *	2830	1707
-25.5	19018 *	17401 *	15340 *	12769 *	10382 *	7978 *	5804 *	3966 *	2423	1477
-29.0	14954 *	13571 *	11811 *	9857 *	8046 *	6280 *	4656 *	3203	1967	1232
-33.0	10424 *	9504 *	8295 *	7087 *	5904 *	4665 *	3484	2442	1532	972
-37.5	6878 *	6393 *	5716 *	4861 *	4094 *	3310	2519	1729	1122	730
-42.5	4564 *	4214 *	3793 *	3281	2790	2221	1676	1196	812	493
-47.5	2936	2716	2437	2097	1776	1443	1097	814	535	320
-55.0	1153	1071	957	846	744	612	492	363	233	129
-65.0	311	292	267	236	207	176	139	95	63	50
-75.0	48	47	46	44	42	39	36	34	32	29
-85.0	21	20	20	19	19	18	17	16	15	14
-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	9	5	2	0
75.0	25	19	13	5	0
65.0	42	31	19	8	0
55.0	62	46	26	10	0
47.5	98	57	31	11	0
42.5	152	63	35	12	0
37.5	238	70	39	13	0
33.0	334	75	42	13	0
29.0	418	79	45	13	0
25.5	514	83	46	14	0
22.5	585	89	48	14	0
19.5	653	94	49	14	0
17.0	716	98	50	14	0
15.0	758	100	51	15	0
13.0	793	102	51	15	0
11.0	820	103	52	15	0
9.0	840	105	52	15	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	853	106	52	15	0
5.0	864	107	53	15	0
3.0	875	108	53	15	0
1.0	866	108	53	15	0
0.0	861	108	53	15	0
-1.0	866	108	53	15	0
-3.0	875	108	53	15	0
-5.0	864	107	53	15	0
-7.0	853	106	52	15	0
-9.0	840	105	52	15	0
-11.0	820	103	52	15	0
-13.0	793	102	51	15	0
-15.0	758	100	51	15	0
-17.0	716	98	50	14	0
-19.5	653	94	49	14	0
-22.5	585	89	48	14	0
-25.5	514	83	46	14	0
-29.0	418	79	45	13	0
-33.0	334	75	42	13	0
-37.5	238	70	39	13	0
-42.5	152	63	35	12	0
-47.5	98	57	31	11	0
-55.0	62	46	26	10	0
-65.0	42	31	19	8	0
-75.0	25	19	13	5	0
-85.0	12	9	5	2	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 17556.1

Total Field Lumens (one side of beam only) = 16296.69

* 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	0.11	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.24
65	0.64	1.27	1.25	1.23	1.20	1.17	1.13	1.08	1.02	1.18
55	2.64	5.30	5.27	5.18	5.07	4.92	4.72	4.46	4.14	4.68
47.5	5.83	11.69	11.59	11.33	11.01	10.60	10.06	9.38	8.65	9.74
42.5	7.34 *	14.64 *	14.44 *	14.08 *	13.65 *	13.10 *	12.37 *	11.49 *	10.56 *	11.90
37.5	11.32 *	22.52 *	22.23 *	21.77 *	21.13 *	20.20 *	18.96 *	17.56 *	16.14 *	18.18 *
33	15.96 *	31.78 *	31.34 *	30.57 *	29.44 *	27.87 *	25.94 *	23.92 *	21.87 *	24.33 *
29	20.96 *	41.78 *	41.23 *	40.19 *	38.63 *	36.50 *	34.00 *	31.28 *	28.37 *	31.23 *
25.5	23.64 *	47.16 *	46.67 *	45.74 *	44.25 *	42.17 *	39.61 *	36.60 *	33.28 *	36.78 *
22.5	23.63 *	47.17 *	46.74 *	45.93 *	44.67 *	42.98 *	40.76 *	38.00 *	34.91 *	39.01 *
19.5	26.19 *	52.36 *	52.03 *	51.29 *	50.08 *	48.48 *	46.37 *	43.67 *	40.52 *	45.75 *
17	23.43 *	46.86 *	46.64 *	46.07 *	45.19 *	44.01 *	42.32 *	40.13 *	37.51 *	42.60 *
15	19.55 *	39.08 *	38.87 *	38.43 *	37.85 *	37.03 *	35.71 *	33.97 *	31.89 *	36.37 *
13	20.06 *	40.07 *	39.87 *	39.49 *	38.99 *	38.20 *	36.93 *	35.21 *	33.12 *	37.95 *
11	20.50 *	40.94 *	40.75 *	40.41 *	39.93 *	39.19 *	37.94 *	36.20 *	34.15 *	39.30 *
9	20.87 *	41.67 *	41.49 *	41.18 *	40.73 *	40.02 *	38.79 *	37.07 *	35.07 *	40.48 *
7	21.18 *	42.28 *	42.09 *	41.79 *	41.34 *	40.64 *	39.48 *	37.84 *	35.86 *	41.51 *
5	21.41 *	42.72 *	42.53 *	42.22 *	41.76 *	41.13 *	40.03 *	38.37 *	36.49 *	42.39 *
3	21.54 *	42.96 *	42.76 *	42.47 *	42.05 *	41.45 *	40.38 *	38.72 *	36.89 *	42.98 *
1	21.55 *	42.99 *	42.80 *	42.57 *	42.20 *	41.58 *	40.56 *	38.96 *	37.09 *	43.21 *
0	10.75 *	21.45 *	21.39 *	21.30 *	21.13 *	20.83 *	20.34 *	19.54 *	18.57 *	21.60 *
-1	10.75 *	21.45 *	21.39 *	21.30 *	21.13 *	20.83 *	20.34 *	19.54 *	18.57 *	21.60 *
	21.55 *	42.99 *	42.80 *	42.57 *	42.20 *	41.58 *	40.56 *	38.96 *	37.09 *	43.21 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	21.54 *	42.96 *	42.76 *	42.47 *	42.05 *	41.45 *	40.38 *	38.72 *	36.89 *	42.98 *
-5	21.41 *	42.72 *	42.53 *	42.22 *	41.76 *	41.13 *	40.03 *	38.37 *	36.49 *	42.39 *
-7	21.18 *	42.28 *	42.09 *	41.79 *	41.34 *	40.64 *	39.48 *	37.84 *	35.86 *	41.51 *
-9	20.87 *	41.67 *	41.49 *	41.18 *	40.73 *	40.02 *	38.79 *	37.07 *	35.07 *	40.48 *
-11	20.50 *	40.94 *	40.75 *	40.41 *	39.93 *	39.19 *	37.94 *	36.20 *	34.15 *	39.30 *
-13	20.06 *	40.07 *	39.87 *	39.49 *	38.99 *	38.20 *	36.93 *	35.21 *	33.12 *	37.95 *
-15	19.55 *	39.08 *	38.87 *	38.43 *	37.85 *	37.03 *	35.71 *	33.97 *	31.89 *	36.37 *
-17	23.43 *	46.86 *	46.64 *	46.07 *	45.19 *	44.01 *	42.32 *	40.13 *	37.51 *	42.60 *
-19.5	26.19 *	52.36 *	52.03 *	51.29 *	50.08 *	48.48 *	46.37 *	43.67 *	40.52 *	45.75 *
-22.5	23.63 *	47.17 *	46.74 *	45.93 *	44.67 *	42.98 *	40.76 *	38.00 *	34.91 *	39.01 *
-25.5	23.64 *	47.16 *	46.67 *	45.74 *	44.25 *	42.17 *	39.61 *	36.60 *	33.28 *	36.78 *
-29	20.96 *	41.78 *	41.23 *	40.19 *	38.63 *	36.50 *	34.00 *	31.28 *	28.37 *	31.23 *
-33	15.96 *	31.78 *	31.34 *	30.57 *	29.44 *	27.87 *	25.94 *	23.92 *	21.87 *	24.33 *
-37.5	11.32 *	22.52 *	22.23 *	21.77 *	21.13 *	20.20 *	18.96 *	17.56 *	16.14 *	18.18 *
-42.5	7.34 *	14.64 *	14.44 *	14.08 *	13.65 *	13.10 *	12.37 *	11.49 *	10.56 *	11.90
-47.5	5.83	11.69	11.59	11.33	11.01	10.60	10.06	9.38	8.65	9.74
-55	2.64	5.30	5.27	5.18	5.07	4.92	4.72	4.46	4.14	4.68
-65	0.64	1.27	1.25	1.23	1.20	1.17	1.13	1.08	1.02	1.18
-75	0.11	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.24
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	678.23	1353.9	1344.46	1327.00	1301.08	1264.62	1213.27	1147.33	1072.68	1222.88

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.02
85	0.28	0.26	0.28	0.29	0.29	0.28	0.24	0.29	0.25	0.12
75	1.26	1.10	1.10	1.02	0.85	0.65	0.47	0.52	0.44	0.21
65	4.92	4.24	4.12	3.70	3.05	2.20	1.28	1.01	0.69	0.32
55	10.14	8.55	8.13	7.13	5.80	4.25	2.46	1.63	0.75	0.31

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	12.38	10.38	9.75	8.40	6.69	4.89	2.91	1.90	0.70	0.24
42.5	18.82 *	15.68 *	14.71	12.70	9.96	7.08	4.25	2.88	0.99	0.27
37.5	24.91 *	20.61 *	19.16 *	16.42	12.81	8.96	5.28	3.66	1.23	0.26
33	31.61 *	25.79 *	23.59 *	19.93 *	15.43	10.67	6.14	4.22	1.38	0.25
29	37.15 *	29.99 *	27.10 *	22.58 *	17.26 *	11.80	6.69	4.55	1.46	0.23
25.5	39.74 *	32.17 *	28.91 *	23.73 *	17.89 *	12.14	6.81	4.59	1.45	0.21
22.5	47.08 *	38.49 *	34.62 *	28.08 *	20.89 *	14.06 *	7.83	5.21	1.62	0.22
19.5	44.33 *	36.62 *	33.09 *	26.82 *	19.69 *	13.11 *	7.26	4.79	1.48	0.19
17	38.19 *	31.87 *	28.99 *	23.59 *	17.17 *	11.30 *	6.26	4.13	1.27	0.16
15	40.12 *	33.78 *	31.00 *	25.29 *	18.33 *	11.98 *	6.62	4.37	1.33	0.16
13	41.82 *	35.47 *	32.78 *	26.88 *	19.40 *	12.61 *	6.93	4.56	1.38	0.16
11	43.27 *	36.92 *	34.35 *	28.28 *	20.33 *	13.12 *	7.19	4.72	1.42	0.16
9	44.49 *	38.11 *	35.67 *	29.42 *	21.07 *	13.52 *	7.39	4.84	1.45	0.16
7	45.49 *	39.08 *	36.69 *	30.27 *	21.62 *	13.81 *	7.55	4.92	1.47	0.17
5	46.18 *	39.77 *	37.39 *	30.84 *	21.98 *	14.04 *	7.69 *	4.99	1.49	0.17
3	46.55 *	40.16 *	37.75 *	31.14 *	22.17 *	14.19 *	7.76 *	5.00	1.49	0.17
1	23.31 *	20.13 *	18.92 *	15.61 *	11.11 *	7.12 *	3.88 *	2.49	0.74	0.08
0	23.31 *	20.13 *	18.92 *	15.61 *	11.11 *	7.12 *	3.88 *	2.49	0.74	0.08
-1	46.55 *	40.16 *	37.75 *	31.14 *	22.17 *	14.19 *	7.76 *	5.00	1.49	0.17
-3	46.18 *	39.77 *	37.39 *	30.84 *	21.98 *	14.04 *	7.69 *	4.99	1.49	0.17
-5	45.49 *	39.08 *	36.69 *	30.27 *	21.62 *	13.81 *	7.55	4.92	1.47	0.17
-7	44.49 *	38.11 *	35.67 *	29.42 *	21.07 *	13.52 *	7.39	4.84	1.45	0.16
-9	43.27 *	36.92 *	34.35 *	28.28 *	20.33 *	13.12 *	7.19	4.72	1.42	0.16
-11	41.82 *	35.47 *	32.78 *	26.88 *	19.40 *	12.61 *	6.93	4.56	1.38	0.16
-13	40.12 *	33.78 *	31.00 *	25.29 *	18.33 *	11.98 *	6.62	4.37	1.33	0.16
-15	38.19 *	31.87 *	28.99 *	23.59 *	17.17 *	11.30 *	6.26	4.13	1.27	0.16
-17	44.33 *	36.62 *	33.09 *	26.82 *	19.69 *	13.11 *	7.26	4.79	1.48	0.19
-19.5	47.08 *	38.49 *	34.62 *	28.08 *	20.89 *	14.06 *	7.83	5.21	1.62	0.22

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	39.74 *	32.17 *	28.91 *	23.73 *	17.89 *	12.14	6.81	4.59	1.45	0.21
-25.5	37.15 *	29.99 *	27.10 *	22.58 *	17.26 *	11.80	6.69	4.55	1.46	0.23
-29	31.61 *	25.79 *	23.59 *	19.93 *	15.43	10.67	6.14	4.22	1.38	0.25
-33	24.91 *	20.61 *	19.16 *	16.42	12.81	8.96	5.28	3.66	1.23	0.26
-37.5	18.82 *	15.68 *	14.71	12.70	9.96	7.08	4.25	2.88	0.99	0.27
-42.5	12.38	10.38	9.75	8.40	6.69	4.89	2.91	1.90	0.70	0.24
-47.5	10.14	8.55	8.13	7.13	5.80	4.25	2.46	1.63	0.75	0.31
-55	4.92	4.24	4.12	3.70	3.05	2.20	1.28	1.01	0.69	0.32
-65	1.26	1.10	1.10	1.02	0.85	0.65	0.47	0.52	0.44	0.21
-75	0.28	0.26	0.28	0.29	0.29	0.28	0.24	0.29	0.25	0.12
-85	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.02
-90										
Total	1284.17	1078.38	996.30	824.32	607.72	403.65	225.87	150.66	49.05	8.47

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.72
85				
	0.03	0.00		4.65
75				
	0.06	0.00		18.87
65				
	0.08	0.00		71.99
55				
	0.08	0.00		149.12
47.5				
	0.06	0.00		181.86
42.5				
	0.07	0.00		277.42
37.5				
	0.06	0.00		376.38
33				
	0.06	0.00		483.24
29				
	0.05	0.00		554.77
25.5				
	0.05	0.00		571.49
22.5				
	0.05	0.00		654.89
19.5				
	0.04	0.00		602.19
17				
	0.03	0.00		511.74

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

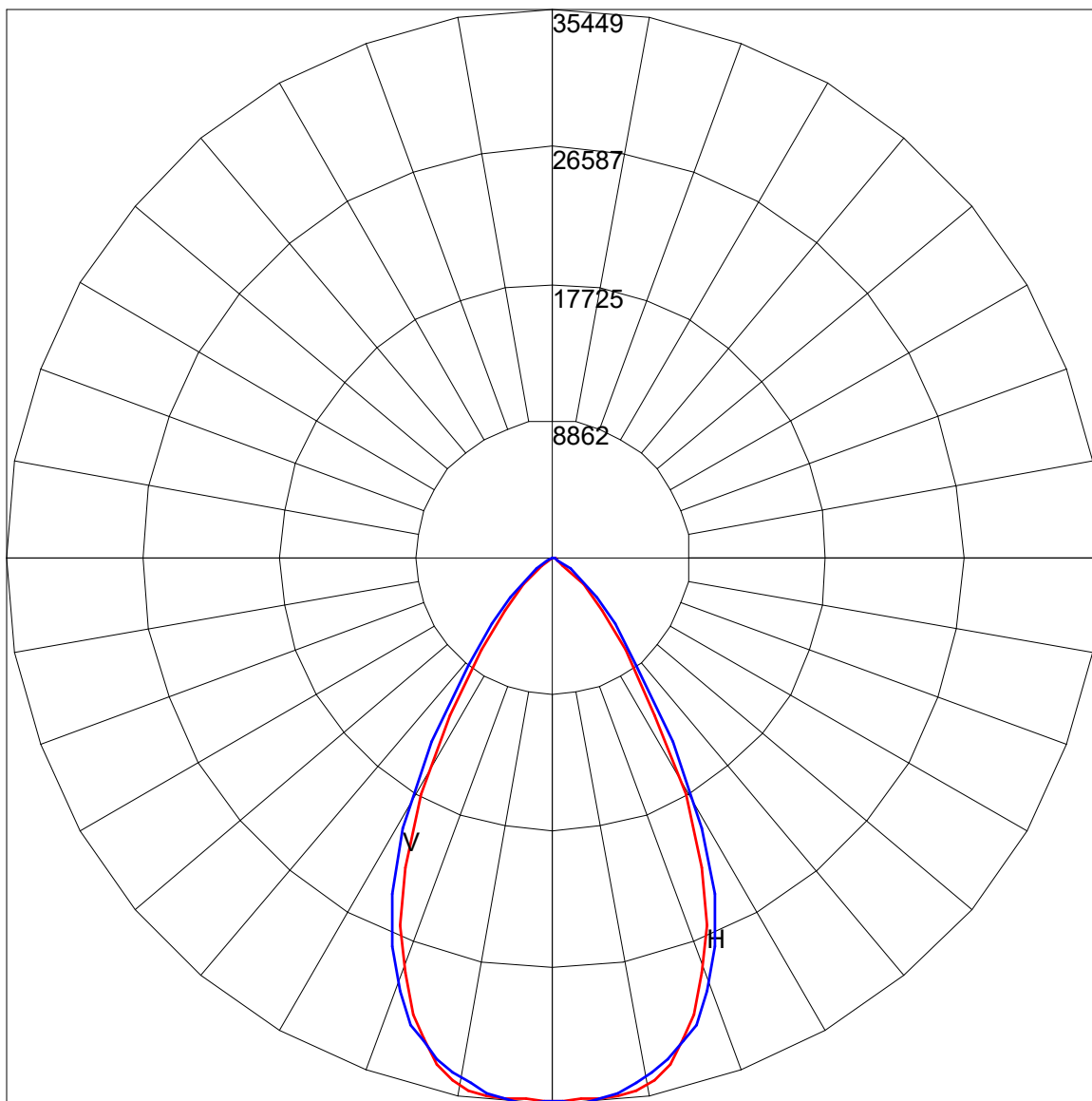
15	0.03	0.00	532.90
13	0.04	0.00	551.34
11	0.04	0.00	567.16
9	0.04	0.00	580.17
7	0.04	0.00	590.13
5	0.04	0.00	596.74
3	0.04	0.00	599.96
1	0.02	0.00	300.31
0	0.02	0.00	300.31
-1	0.04	0.00	599.96
-3	0.04	0.00	596.74
-5	0.04	0.00	590.13
-7	0.04	0.00	580.17
-9	0.04	0.00	567.16
-11	0.04	0.00	551.34
-13	0.03	0.00	532.90
-15	0.03	0.00	511.74
-17	0.04	0.00	602.19
-19.5	0.05	0.00	654.89
-22.5	0.05	0.00	571.49
-25.5	0.05	0.00	554.77
-29	0.06	0.00	483.24
-33	0.06	0.00	376.38
-37.5	0.07	0.00	277.42
-42.5	0.06	0.00	181.86
-47.5	0.08	0.00	149.12
-55	0.08	0.00	71.99
-65	0.06	0.00	18.87

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-50-80-FGS.IES

LUMENS TABULATION - (Cont.)

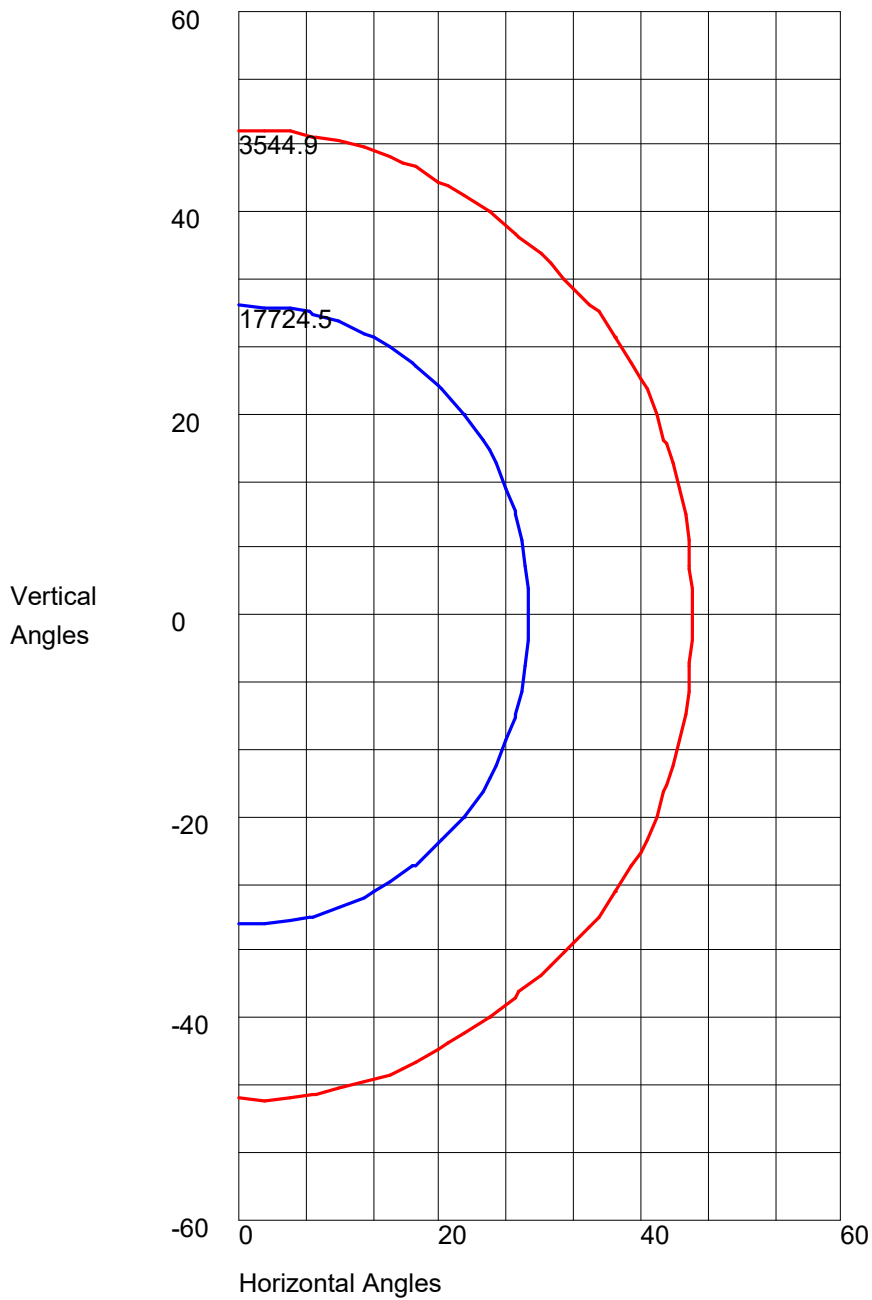
-75	0.03	0.00	4.65
-85	0.00	0.00	0.72
-90			
Total	2.00	0.06	17556.08

AXIAL CANDELA DISPLAY



Maximum Candela = 35449 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 35449 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 17724.5
10% Maximum Candela = 3544.9