



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-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-42L-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	36362
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	23602
Beam Efficiency	N.A.
Field Lumens	33433
Field Efficiency	N.A.
Spill Lumens	2584
Luminaire Lumens	36016
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	23
75	54	75	52
65	111	65	377
55	883	55	1396
47.5	2682	47.5	3833
42.5	4715	42.5	6058
37.5	7808	37.5	9196
33	12543	33	14695
29	18118	29	20580
25.5	22838	25.5	24888
22.5	26601	22.5	28115
19.5	29399	19.5	30618
17	31826	17	32465
15	33205	15	33347
13	34647	13	34194
11	35449	11	34881
9	35854	9	35451
7	36033	7	35909
5	36083	5	36219
3	36089	3	36362
1	36131	1	36255
0	36159	0	36159
-1	36131	-1	36255
-3	36089	-3	36362
-5	36083	-5	36219
-7	36033	-7	35909
-9	35854	-9	35451
-11	35449	-11	34881
-13	34647	-13	34194
-15	33205	-15	33347
-17	31826	-17	32465
-19.5	29399	-19.5	30618
-22.5	26601	-22.5	28115
-25.5	22838	-25.5	24888
-29	18118	-29	20580
-33	12543	-33	14695
-37.5	7808	-37.5	9196
-42.5	4715	-42.5	6058
-47.5	2682	-47.5	3833
-55	883	-55	1396
-65	111	-65	377
-75	54	-75	52
-85	15	-85	23
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 36362

Beam Edge = 18181 Cd (50% of Max.)

Field Edge = 3636.2 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	19
75.0	0	5	13	20	26	30	33	35	37	40
65.0	0	8	19	32	43	51	64	98	142	180
55.0	0	10	27	47	64	133	239	372	504	628
47.5	0	11	32	58	100	328	549	835	1125	1481
42.5	0	12	36	65	156	506	833	1227	1719	2278
37.5	0	13	40	72	245	749	1151	1774	2584	3396
33.0	0	13	43	77	343	997	1572	2505	3574	4785 *
29.0	0	13	46	81	429	1264	2018	3285	4776 *	6442 *
25.5	0	14	47	85	527	1515	2485	4068 *	5953 *	8183 *
22.5	0	14	49	91	599	1751	2903	4774 *	7073 *	9864 *
19.5	0	14	50	97	669	1962	3336	5476 *	8210 *	11627 *
17.0	0	14	51	101	734	2139	3638 *	5999 *	9198 *	13117 *
15.0	0	15	52	103	778	2281	3870 *	6371 *	9910 *	14123 *
13.0	0	15	52	105	813	2400	4072 *	6766 *	10548 *	15110 *
11.0	0	15	53	106	841	2499	4241 *	7092 *	11156 *	15987 *
9.0	0	15	53	108	862	2577	4383 *	7353 *	11667 *	16740 *
7.0	0	15	53	109	875	2635	4495 *	7547 *	12066 *	17324 *
5.0	0	15	54	110	886	2672	4575 *	7672 *	12349 *	17731 *
3.0	0	15	54	111	898	2706	4691 *	7756 *	12514 *	17986 *
1.0	0	15	54	111	888	2690	4707 *	7814 *	12564 *	18115 *
0.0	0	15	54	111	883	2682	4715 *	7808 *	12543 *	18118 *
-1.0	0	15	54	111	888	2690	4707 *	7814 *	12564 *	18115 *
-3.0	0	15	54	111	898	2706	4691 *	7756 *	12514 *	17986 *
-5.0	0	15	54	110	886	2672	4575 *	7672 *	12349 *	17731 *
-7.0	0	15	53	109	875	2635	4495 *	7547 *	12066 *	17324 *
-9.0	0	15	53	108	862	2577	4383 *	7353 *	11667 *	16740 *
-11.0	0	15	53	106	841	2499	4241 *	7092 *	11156 *	15987 *
-13.0	0	15	52	105	813	2400	4072 *	6766 *	10548 *	15110 *
-15.0	0	15	52	103	778	2281	3870 *	6371 *	9910 *	14123 *
-17.0	0	14	51	101	734	2139	3638 *	5999 *	9198 *	13117 *
-19.5	0	14	50	97	669	1962	3336	5476 *	8210 *	11627 *
-22.5	0	14	49	91	599	1751	2903	4774 *	7073 *	9864 *
-25.5	0	14	47	85	527	1515	2485	4068 *	5953 *	8183 *
-29.0	0	13	46	81	429	1264	2018	3285	4776 *	6442 *
-33.0	0	13	43	77	343	997	1572	2505	3574	4785 *
-37.5	0	13	40	72	245	749	1151	1774	2584	3396
-42.5	0	12	36	65	156	506	833	1227	1719	2278
-47.5	0	11	32	58	100	328	549	835	1125	1481
-55.0	0	10	27	47	64	133	239	372	504	628
-65.0	0	8	19	32	43	51	64	98	142	180
-75.0	0	5	13	20	26	30	33	35	37	40
-85.0	0	2	5	9	12	14	15	16	17	19
-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	21	21	22	22	22	23	23	23
75.0	43	45	47	48	49	49	50	50	51	51
65.0	212	242	274	299	318	335	345	354	361	366
55.0	764	867	982	1098	1182	1259	1313	1351	1381	1402
47.5	1822	2151	2500	2786	3012	3231	3434	3571	3682 *	3769 *
42.5	2862	3366	3891 *	4322 *	4681 *	5025 *	5340 *	5572 *	5741 *	5875 *
37.5	4200 *	4987 *	5864 *	6558 *	7055 *	7617 *	8132 *	8580 *	8848 *	9022 *
33.0	6056 *	7270 *	8509 *	9749 *	10693 *	11528 *	12414 *	13224 *	13844 *	14293 *
29.0	8253 *	10110 *	12115 *	13920 *	15339 *	16717 *	17872 *	18898 *	19715 *	20197 *
25.5	10649 *	13098 *	15735 *	17849 *	19507 *	21014 *	22322 *	23314 *	24067 *	24522 *
22.5	13027 *	15932 *	18942 *	21252 *	22928 *	24469 *	25740 *	26606 *	27292 *	27792 *
19.5	15436 *	18663 *	21944 *	24374 *	26089 *	27552 *	28673 *	29505 *	30139 *	30548 *
17.0	17127 *	20768 *	23918 *	26429 *	28236 *	29543 *	30781 *	31422 *	31862 *	32259 *
15.0	18396 *	22027 *	25131 *	27707 *	29353 *	30770 *	31861 *	32559 *	32857 *	33166 *
13.0	19468 *	23128 *	26194 *	28617 *	30347 *	31713 *	32782 *	33419 *	33745 *	33965 *
11.0	20402 *	24166 *	27090 *	29580 *	31082 *	32488 *	33635 *	34168 *	34468 *	34666 *
9.0	21224 *	24932 *	27874 *	30289 *	31888 *	33200 *	34222 *	34816 *	35051 *	35242 *
7.0	21923 *	25581 *	28610 *	30974 *	32470 *	33751 *	34738 *	35193 *	35528 *	35683 *
5.0	22453 *	26084 *	29118 *	31557 *	32820 *	34117 *	35194 *	35529 *	35742 *	36005 *
3.0	22762 *	26444 *	29411 *	31829 *	33038 *	34402 *	35289 *	35712 *	35997 *	36060 *
1.0	22863 *	26632 *	29473 *	31877 *	33204 *	34571 *	35373 *	35800 *	36010 *	36090 *
0.0	22838 *	26601 *	29399 *	31826 *	33205 *	34647 *	35449 *	35854 *	36033 *	36083 *
-1.0	22863 *	26632 *	29473 *	31877 *	33204 *	34571 *	35373 *	35800 *	36010 *	36090 *
-3.0	22762 *	26444 *	29411 *	31829 *	33038 *	34402 *	35289 *	35712 *	35997 *	36060 *
-5.0	22453 *	26084 *	29118 *	31557 *	32820 *	34117 *	35194 *	35529 *	35742 *	36005 *
-7.0	21923 *	25581 *	28610 *	30974 *	32470 *	33751 *	34738 *	35193 *	35528 *	35683 *
-9.0	21224 *	24932 *	27874 *	30289 *	31888 *	33200 *	34222 *	34816 *	35051 *	35242 *
-11.0	20402 *	24166 *	27090 *	29580 *	31082 *	32488 *	33635 *	34168 *	34468 *	34666 *
-13.0	19468 *	23128 *	26194 *	28617 *	30347 *	31713 *	32782 *	33419 *	33745 *	33965 *
-15.0	18396 *	22027 *	25131 *	27707 *	29353 *	30770 *	31861 *	32559 *	32857 *	33166 *
-17.0	17127 *	20768 *	23918 *	26429 *	28236 *	29543 *	30781 *	31422 *	31862 *	32259 *
-19.5	15436 *	18663 *	21944 *	24374 *	26089 *	27552 *	28673 *	29505 *	30139 *	30548 *
-22.5	13027 *	15932 *	18942 *	21252 *	22928 *	24469 *	25740 *	26606 *	27292 *	27792 *
-25.5	10649 *	13098 *	15735 *	17849 *	19507 *	21014 *	22322 *	23314 *	24067 *	24522 *
-29.0	8253 *	10110 *	12115 *	13920 *	15339 *	16717 *	17872 *	18898 *	19715 *	20197 *
-33.0	6056 *	7270 *	8509 *	9749 *	10693 *	11528 *	12414 *	13224 *	13844 *	14293 *
-37.5	4200 *	4987 *	5864 *	6558 *	7055 *	7617 *	8132 *	8580 *	8848 *	9022 *
-42.5	2862	3366	3891 *	4322 *	4681 *	5025 *	5340 *	5572 *	5741 *	5875 *
-47.5	1822	2151	2500	2786	3012	3231	3434	3571	3682 *	3769 *
-55.0	764	867	982	1098	1182	1259	1313	1351	1381	1402
-65.0	212	242	274	299	318	335	345	354	361	366
-75.0	43	45	47	48	49	49	50	50	51	51
-85.0	20	20	21	21	22	22	22	23	23	23
-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	23	23	23	23	23	23	23	23	22	22
75.0	51	52	52	52	51	51	51	50	50	49
65.0	374	376	377	376	374	366	361	354	345	335

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CANDELA TABULATION - (Cont.)

55.0	1416	1403	1396	1403	1416	1402	1381	1351	1313	1259
47.5	3846 *	3837 *	3833 *	3837 *	3846 *	3769 *	3682 *	3571	3434	3231
42.5	6012 *	6043 *	6058 *	6043 *	6012 *	5875 *	5741 *	5572 *	5340 *	5025 *
37.5	9112 *	9193 *	9196 *	9193 *	9112 *	9022 *	8848 *	8580 *	8132 *	7617 *
33.0	14593 *	14700 *	14695 *	14700 *	14593 *	14293 *	13844 *	13224 *	12414 *	11528 *
29.0	20502 *	20600 *	20580 *	20600 *	20502 *	20197 *	19715 *	18898 *	17872 *	16717 *
25.5	24800 *	24904 *	24888 *	24904 *	24800 *	24522 *	24067 *	23314 *	22322 *	21014 *
22.5	28078 *	28179 *	28115 *	28179 *	28078 *	27792 *	27292 *	26606 *	25740 *	24469 *
19.5	30680 *	30674 *	30618 *	30674 *	30680 *	30548 *	30139 *	29505 *	28673 *	27552 *
17.0	32463 *	32497 *	32465 *	32497 *	32463 *	32259 *	31862 *	31422 *	30781 *	29543 *
15.0	33339 *	33393 *	33347 *	33393 *	33339 *	33166 *	32857 *	32559 *	31861 *	30770 *
13.0	34126 *	34174 *	34194 *	34174 *	34126 *	33965 *	33745 *	33419 *	32782 *	31713 *
11.0	34797 *	34842 *	34881 *	34842 *	34797 *	34666 *	34468 *	34168 *	33635 *	32488 *
9.0	35362 *	35416 *	35451 *	35416 *	35362 *	35242 *	35051 *	34816 *	34222 *	33200 *
7.0	35809 *	35879 *	35909 *	35879 *	35809 *	35683 *	35528 *	35193 *	34738 *	33751 *
5.0	36058 *	36186 *	36219 *	36186 *	36058 *	36005 *	35742 *	35529 *	35194 *	34117 *
3.0	36215 *	36292 *	36362 *	36292 *	36215 *	36060 *	35997 *	35712 *	35289 *	34402 *
1.0	36123 *	36222 *	36255 *	36222 *	36123 *	36090 *	36010 *	35800 *	35373 *	34571 *
0.0	36089 *	36131 *	36159 *	36131 *	36089 *	36083 *	36033 *	35854 *	35449 *	34647 *
-1.0	36123 *	36222 *	36255 *	36222 *	36123 *	36090 *	36010 *	35800 *	35373 *	34571 *
-3.0	36215 *	36292 *	36362 *	36292 *	36215 *	36060 *	35997 *	35712 *	35289 *	34402 *
-5.0	36058 *	36186 *	36219 *	36186 *	36058 *	36005 *	35742 *	35529 *	35194 *	34117 *
-7.0	35809 *	35879 *	35909 *	35879 *	35809 *	35683 *	35528 *	35193 *	34738 *	33751 *
-9.0	35362 *	35416 *	35451 *	35416 *	35362 *	35242 *	35051 *	34816 *	34222 *	33200 *
-11.0	34797 *	34842 *	34881 *	34842 *	34797 *	34666 *	34468 *	34168 *	33635 *	32488 *
-13.0	34126 *	34174 *	34194 *	34174 *	34126 *	33965 *	33745 *	33419 *	32782 *	31713 *
-15.0	33339 *	33393 *	33347 *	33393 *	33339 *	33166 *	32857 *	32559 *	31861 *	30770 *
-17.0	32463 *	32497 *	32465 *	32497 *	32463 *	32259 *	31862 *	31422 *	30781 *	29543 *
-19.5	30680 *	30674 *	30618 *	30674 *	30680 *	30548 *	30139 *	29505 *	28673 *	27552 *
-22.5	28078 *	28179 *	28115 *	28179 *	28078 *	27792 *	27292 *	26606 *	25740 *	24469 *
-25.5	24800 *	24904 *	24888 *	24904 *	24800 *	24522 *	24067 *	23314 *	22322 *	21014 *
-29.0	20502 *	20600 *	20580 *	20600 *	20502 *	20197 *	19715 *	18898 *	17872 *	16717 *
-33.0	14593 *	14700 *	14695 *	14700 *	14593 *	14293 *	13844 *	13224 *	12414 *	11528 *
-37.5	9112 *	9193 *	9196 *	9193 *	9112 *	9022 *	8848 *	8580 *	8132 *	7617 *
-42.5	6012 *	6043 *	6058 *	6043 *	6012 *	5875 *	5741 *	5572 *	5340 *	5025 *
-47.5	3846 *	3837 *	3833 *	3837 *	3846 *	3769 *	3682 *	3571	3434	3231
-55.0	1416	1403	1396	1403	1416	1402	1381	1351	1313	1259
-65.0	374	376	377	376	374	366	361	354	345	335
-75.0	51	52	52	52	51	51	51	50	50	49
-85.0	23	23	23	23	23	23	23	23	22	22
-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	22	21	21	20	20	19	17	16	15	14
75.0	49	48	47	45	43	40	37	35	33	30
65.0	318	299	274	242	212	180	142	98	64	51
55.0	1182	1098	982	867	764	628	504	372	239	133
47.5	3012	2786	2500	2151	1822	1481	1125	835	549	328
42.5	4681 *	4322 *	3891 *	3366	2862	2278	1719	1227	833	506
37.5	7055 *	6558 *	5864 *	4987 *	4200 *	3396	2584	1774	1151	749
33.0	10693 *	9749 *	8509 *	7270 *	6056 *	4785 *	3574	2505	1572	997
29.0	15339 *	13920 *	12115 *	10110 *	8253 *	6442 *	4776 *	3285	2018	1264
25.5	19507 *	17849 *	15735 *	13098 *	10649 *	8183 *	5953 *	4068 *	2485	1515

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	22928 *	21252 *	18942 *	15932 *	13027 *	9864 *	7073 *	4774 *	2903	1751
19.5	26089 *	24374 *	21944 *	18663 *	15436 *	11627 *	8210 *	5476 *	3336	1962
17.0	28236 *	26429 *	23918 *	20768 *	17127 *	13117 *	9198 *	5999 *	3638 *	2139
15.0	29353 *	27707 *	25131 *	22027 *	18396 *	14123 *	9910 *	6371 *	3870 *	2281
13.0	30347 *	28617 *	26194 *	23128 *	19468 *	15110 *	10548 *	6766 *	4072 *	2400
11.0	31082 *	29580 *	27090 *	24166 *	20402 *	15987 *	11156 *	7092 *	4241 *	2499
9.0	31888 *	30289 *	27874 *	24932 *	21224 *	16740 *	11667 *	7353 *	4383 *	2577
7.0	32470 *	30974 *	28610 *	25581 *	21923 *	17324 *	12066 *	7547 *	4495 *	2635
5.0	32820 *	31557 *	29118 *	26084 *	22453 *	17731 *	12349 *	7672 *	4575 *	2672
3.0	33038 *	31829 *	29411 *	26444 *	22762 *	17986 *	12514 *	7756 *	4691 *	2706
1.0	33204 *	31877 *	29473 *	26632 *	22863 *	18115 *	12564 *	7814 *	4707 *	2690
0.0	33205 *	31826 *	29399 *	26601 *	22838 *	18118 *	12543 *	7808 *	4715 *	2682
-1.0	33204 *	31877 *	29473 *	26632 *	22863 *	18115 *	12564 *	7814 *	4707 *	2690
-3.0	33038 *	31829 *	29411 *	26444 *	22762 *	17986 *	12514 *	7756 *	4691 *	2706
-5.0	32820 *	31557 *	29118 *	26084 *	22453 *	17731 *	12349 *	7672 *	4575 *	2672
-7.0	32470 *	30974 *	28610 *	25581 *	21923 *	17324 *	12066 *	7547 *	4495 *	2635
-9.0	31888 *	30289 *	27874 *	24932 *	21224 *	16740 *	11667 *	7353 *	4383 *	2577
-11.0	31082 *	29580 *	27090 *	24166 *	20402 *	15987 *	11156 *	7092 *	4241 *	2499
-13.0	30347 *	28617 *	26194 *	23128 *	19468 *	15110 *	10548 *	6766 *	4072 *	2400
-15.0	29353 *	27707 *	25131 *	22027 *	18396 *	14123 *	9910 *	6371 *	3870 *	2281
-17.0	28236 *	26429 *	23918 *	20768 *	17127 *	13117 *	9198 *	5999 *	3638 *	2139
-19.5	26089 *	24374 *	21944 *	18663 *	15436 *	11627 *	8210 *	5476 *	3336	1962
-22.5	22928 *	21252 *	18942 *	15932 *	13027 *	9864 *	7073 *	4774 *	2903	1751
-25.5	19507 *	17849 *	15735 *	13098 *	10649 *	8183 *	5953 *	4068 *	2485	1515
-29.0	15339 *	13920 *	12115 *	10110 *	8253 *	6442 *	4776 *	3285	2018	1264
-33.0	10693 *	9749 *	8509 *	7270 *	6056 *	4785 *	3574	2505	1572	997
-37.5	7055 *	6558 *	5864 *	4987 *	4200 *	3396	2584	1774	1151	749
-42.5	4681 *	4322 *	3891 *	3366	2862	2278	1719	1227	833	506
-47.5	3012	2786	2500	2151	1822	1481	1125	835	549	328
-55.0	1182	1098	982	867	764	628	504	372	239	133
-65.0	318	299	274	242	212	180	142	98	64	51
-75.0	49	48	47	45	43	40	37	35	33	30
-85.0	22	21	21	20	20	19	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	26	20	13	5	0
65.0	43	32	19	8	0
55.0	64	47	27	10	0
47.5	100	58	32	11	0
42.5	156	65	36	12	0
37.5	245	72	40	13	0
33.0	343	77	43	13	0
29.0	429	81	46	13	0
25.5	527	85	47	14	0
22.5	599	91	49	14	0
19.5	669	97	50	14	0
17.0	734	101	51	14	0
15.0	778	103	52	15	0
13.0	813	105	52	15	0
11.0	841	106	53	15	0
9.0	862	108	53	15	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	875	109	53	15	0
5.0	886	110	54	15	0
3.0	898	111	54	15	0
1.0	888	111	54	15	0
0.0	883	111	54	15	0
-1.0	888	111	54	15	0
-3.0	898	111	54	15	0
-5.0	886	110	54	15	0
-7.0	875	109	53	15	0
-9.0	862	108	53	15	0
-11.0	841	106	53	15	0
-13.0	813	105	52	15	0
-15.0	778	103	52	15	0
-17.0	734	101	51	14	0
-19.5	669	97	50	14	0
-22.5	599	91	49	14	0
-25.5	527	85	47	14	0
-29.0	429	81	46	13	0
-33.0	343	77	43	13	0
-37.5	245	72	40	13	0
-42.5	156	65	36	12	0
-47.5	100	58	32	11	0
-55.0	64	47	27	10	0
-65.0	43	32	19	8	0
-75.0	26	20	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-40-80-FGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 18008.16

Total Field Lumens (one side of beam only) = 16716.31

* 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	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
75	0.11	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.25
65	0.65	1.30	1.28	1.26	1.23	1.20	1.16	1.11	1.05	1.21
55	2.70	5.43	5.41	5.32	5.20	5.04	4.84	4.57	4.24	4.80
47.5	5.98	11.99	11.89	11.63	11.29	10.88	10.32	9.62	8.87	9.99
42.5	7.53 *	15.02 *	14.81 *	14.44 *	14.00 *	13.44 *	12.69 *	11.78 *	10.83 *	12.20
37.5	11.61 *	23.11 *	22.81 *	22.33 *	21.67 *	20.72 *	19.45 *	18.01 *	16.56 *	18.65 *
33	16.37 *	32.60 *	32.15 *	31.36 *	30.20 *	28.58 *	26.61 *	24.53 *	22.44 *	24.96 *
29	21.50 *	42.86 *	42.29 *	41.23 *	39.62 *	37.44 *	34.88 *	32.08 *	29.11 *	32.03 *
25.5	24.25 *	48.37 *	47.87 *	46.92 *	45.39 *	43.26 *	40.63 *	37.54 *	34.13 *	37.73 *
22.5	24.24 *	48.38 *	47.95 *	47.11 *	45.82 *	44.09 *	41.81 *	38.98 *	35.81 *	40.02 *
19.5	26.86 *	53.70 *	53.37 *	52.61 *	51.37 *	49.73 *	47.57 *	44.79 *	41.57 *	46.92 *
17	24.04 *	48.07 *	47.84 *	47.26 *	46.35 *	45.14 *	43.41 *	41.16 *	38.48 *	43.69 *
15	20.06 *	40.09 *	39.87 *	39.42 *	38.82 *	37.98 *	36.63 *	34.85 *	32.71 *	37.31 *
13	20.58 *	41.11 *	40.90 *	40.51 *	39.99 *	39.18 *	37.88 *	36.11 *	33.97 *	38.92 *
11	21.03 *	41.99 *	41.80 *	41.45 *	40.96 *	40.20 *	38.92 *	37.13 *	35.03 *	40.31 *
9	21.41 *	42.75 *	42.56 *	42.24 *	41.78 *	41.05 *	39.79 *	38.03 *	35.97 *	41.52 *
7	21.73 *	43.37 *	43.18 *	42.87 *	42.41 *	41.69 *	40.49 *	38.81 *	36.78 *	42.58 *
5	21.96 *	43.82 *	43.62 *	43.31 *	42.83 *	42.19 *	41.06 *	39.36 *	37.43 *	43.48 *
3	22.09 *	44.06 *	43.86 *	43.56 *	43.13 *	42.51 *	41.42 *	39.72 *	37.84 *	44.08 *
1	22.10 *	44.10 *	43.90 *	43.67 *	43.29 *	42.65 *	41.60 *	39.96 *	38.05 *	44.33 *
0	11.02 *	22.00 *	21.94 *	21.84 *	21.67 *	21.37 *	20.86 *	20.04 *	19.05 *	22.16 *
-1	11.02 *	22.00 *	21.94 *	21.84 *	21.67 *	21.37 *	20.86 *	20.04 *	19.05 *	22.16 *
	22.10 *	44.10 *	43.90 *	43.67 *	43.29 *	42.65 *	41.60 *	39.96 *	38.05 *	44.33 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	22.09 *	44.06 *	43.86 *	43.56 *	43.13 *	42.51 *	41.42 *	39.72 *	37.84 *	44.08 *
-5	21.96 *	43.82 *	43.62 *	43.31 *	42.83 *	42.19 *	41.06 *	39.36 *	37.43 *	43.48 *
-7	21.73 *	43.37 *	43.18 *	42.87 *	42.41 *	41.69 *	40.49 *	38.81 *	36.78 *	42.58 *
-9	21.41 *	42.75 *	42.56 *	42.24 *	41.78 *	41.05 *	39.79 *	38.03 *	35.97 *	41.52 *
-11	21.03 *	41.99 *	41.80 *	41.45 *	40.96 *	40.20 *	38.92 *	37.13 *	35.03 *	40.31 *
-13	20.58 *	41.11 *	40.90 *	40.51 *	39.99 *	39.18 *	37.88 *	36.11 *	33.97 *	38.92 *
-15	20.06 *	40.09 *	39.87 *	39.42 *	38.82 *	37.98 *	36.63 *	34.85 *	32.71 *	37.31 *
-17	24.04 *	48.07 *	47.84 *	47.26 *	46.35 *	45.14 *	43.41 *	41.16 *	38.48 *	43.69 *
-19.5	26.86 *	53.70 *	53.37 *	52.61 *	51.37 *	49.73 *	47.57 *	44.79 *	41.57 *	46.92 *
-22.5	24.24 *	48.38 *	47.95 *	47.11 *	45.82 *	44.09 *	41.81 *	38.98 *	35.81 *	40.02 *
-25.5	24.25 *	48.37 *	47.87 *	46.92 *	45.39 *	43.26 *	40.63 *	37.54 *	34.13 *	37.73 *
-29	21.50 *	42.86 *	42.29 *	41.23 *	39.62 *	37.44 *	34.88 *	32.08 *	29.11 *	32.03 *
-33	16.37 *	32.60 *	32.15 *	31.36 *	30.20 *	28.58 *	26.61 *	24.53 *	22.44 *	24.96 *
-37.5	11.61 *	23.11 *	22.81 *	22.33 *	21.67 *	20.72 *	19.45 *	18.01 *	16.56 *	18.65 *
-42.5	7.53 *	15.02 *	14.81 *	14.44 *	14.00 *	13.44 *	12.69 *	11.78 *	10.83 *	12.20
-47.5	5.98	11.99	11.89	11.63	11.29	10.88	10.32	9.62	8.87	9.99
-55	2.70	5.43	5.41	5.32	5.20	5.04	4.84	4.57	4.24	4.80
-65	0.65	1.30	1.28	1.26	1.23	1.20	1.16	1.11	1.05	1.21
-75	0.11	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.25
-85	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
-90										
Total	695.69	1388.75	1379.08	1361.17	1334.59	1297.18	1244.51	1176.87	1100.28	1254.37

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	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.02
85	0.28	0.27	0.29	0.29	0.29	0.29	0.25	0.29	0.25	0.12
75	1.30	1.13	1.13	1.04	0.87	0.67	0.48	0.54	0.46	0.22
65	5.04	4.35	4.23	3.80	3.12	2.25	1.31	1.04	0.71	0.33
55	10.40	8.77	8.34	7.32	5.95	4.36	2.52	1.67	0.77	0.32

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LUMENS TABULATION - (Cont.)

47.5										
	12.70	10.64	10.00	8.62	6.86	5.02	2.98	1.95	0.72	0.25
42.5	19.31 *	16.08 *	15.09	13.02	10.22	7.27	4.36	2.96	1.02	0.28
37.5	25.56 *	21.14 *	19.66 *	16.84	13.14	9.19	5.41	3.75	1.26	0.27
33	32.42 *	26.45 *	24.20 *	20.44 *	15.82	10.94	6.30	4.33	1.41	0.26
29	38.11 *	30.76 *	27.80 *	23.17 *	17.71 *	12.10	6.86	4.67	1.49	0.24
25.5	40.76 *	33.00 *	29.66 *	24.34 *	18.36 *	12.45	6.99	4.71	1.49	0.21
22.5	48.29 *	39.48 *	35.51 *	28.80 *	21.43 *	14.42 *	8.04	5.34	1.66	0.22
19.5	45.47 *	37.56 *	33.94 *	27.51 *	20.20 *	13.45 *	7.45	4.92	1.52	0.19
17	39.17 *	32.69 *	29.74 *	24.20 *	17.61 *	11.59 *	6.42	4.24	1.31	0.16
15	41.15 *	34.65 *	31.79 *	25.94 *	18.80 *	12.29 *	6.80	4.48	1.37	0.16
13	42.90 *	36.38 *	33.63 *	27.57 *	19.90 *	12.93 *	7.11	4.68	1.42	0.16
11	44.39 *	37.87 *	35.23 *	29.00 *	20.85 *	13.45 *	7.38	4.84	1.46	0.17
9	45.64 *	39.09 *	36.59 *	30.18 *	21.62 *	13.87 *	7.58	4.97	1.49	0.17
7	46.66 *	40.09 *	37.64 *	31.05 *	22.18 *	14.17 *	7.74	5.05	1.51	0.17
5	47.37 *	40.80 *	38.35 *	31.63 *	22.55 *	14.40 *	7.88 *	5.12	1.52	0.17
3	47.75 *	41.20 *	38.73 *	31.94 *	22.75 *	14.56 *	7.96 *	5.13	1.53	0.17
1	23.91 *	20.65 *	19.41 *	16.01 *	11.40 *	7.30 *	3.98 *	2.55	0.76	0.09
0	23.91 *	20.65 *	19.41 *	16.01 *	11.40 *	7.30 *	3.98 *	2.55	0.76	0.09
-1	47.75 *	41.20 *	38.73 *	31.94 *	22.75 *	14.56 *	7.96 *	5.13	1.53	0.17
-3	47.37 *	40.80 *	38.35 *	31.63 *	22.55 *	14.40 *	7.88 *	5.12	1.52	0.17
-5	46.66 *	40.09 *	37.64 *	31.05 *	22.18 *	14.17 *	7.74	5.05	1.51	0.17
-7	45.64 *	39.09 *	36.59 *	30.18 *	21.62 *	13.87 *	7.58	4.97	1.49	0.17
-9	44.39 *	37.87 *	35.23 *	29.00 *	20.85 *	13.45 *	7.38	4.84	1.46	0.17
-11	42.90 *	36.38 *	33.63 *	27.57 *	19.90 *	12.93 *	7.11	4.68	1.42	0.16
-13	41.15 *	34.65 *	31.79 *	25.94 *	18.80 *	12.29 *	6.80	4.48	1.37	0.16
-15	39.17 *	32.69 *	29.74 *	24.20 *	17.61 *	11.59 *	6.42	4.24	1.31	0.16
-17	45.47 *	37.56 *	33.94 *	27.51 *	20.20 *	13.45 *	7.45	4.92	1.52	0.19
-19.5	48.29 *	39.48 *	35.51 *	28.80 *	21.43 *	14.42 *	8.04	5.34	1.66	0.22

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LUMENS TABULATION - (Cont.)

-22.5	40.76 *	33.00 *	29.66 *	24.34 *	18.36 *	12.45	6.99	4.71	1.49	0.21
-25.5	38.11 *	30.76 *	27.80 *	23.17 *	17.71 *	12.10	6.86	4.67	1.49	0.24
-29	32.42 *	26.45 *	24.20 *	20.44 *	15.82	10.94	6.30	4.33	1.41	0.26
-33	25.56 *	21.14 *	19.66 *	16.84	13.14	9.19	5.41	3.75	1.26	0.27
-37.5	19.31 *	16.08 *	15.09	13.02	10.22	7.27	4.36	2.96	1.02	0.28
-42.5	12.70	10.64	10.00	8.62	6.86	5.02	2.98	1.95	0.72	0.25
-47.5	10.40	8.77	8.34	7.32	5.95	4.36	2.52	1.67	0.77	0.32
-55	5.04	4.35	4.23	3.80	3.12	2.25	1.31	1.04	0.71	0.33
-65	1.30	1.13	1.13	1.04	0.87	0.67	0.48	0.54	0.46	0.22
-75	0.28	0.27	0.29	0.29	0.29	0.29	0.25	0.29	0.25	0.12
-85	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.02
-90										
Total	1317.25	1106.15	1021.97	845.53	623.36	414.06	231.69	154.55	50.33	8.69

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.74
85				
	0.03	0.00		4.77
75				
	0.06	0.00		19.33
65				
	0.08	0.00		73.82
55				
	0.08	0.00		152.96
47.5				
	0.06	0.00		186.55
42.5				
	0.07	0.00		284.59
37.5				
	0.06	0.00		386.09
33				
	0.06	0.00		495.68
29				
	0.06	0.00		569.05
25.5				
	0.05	0.00		586.19
22.5				
	0.05	0.00		671.74
19.5				
	0.04	0.00		617.70
17				
	0.03	0.00		524.92

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

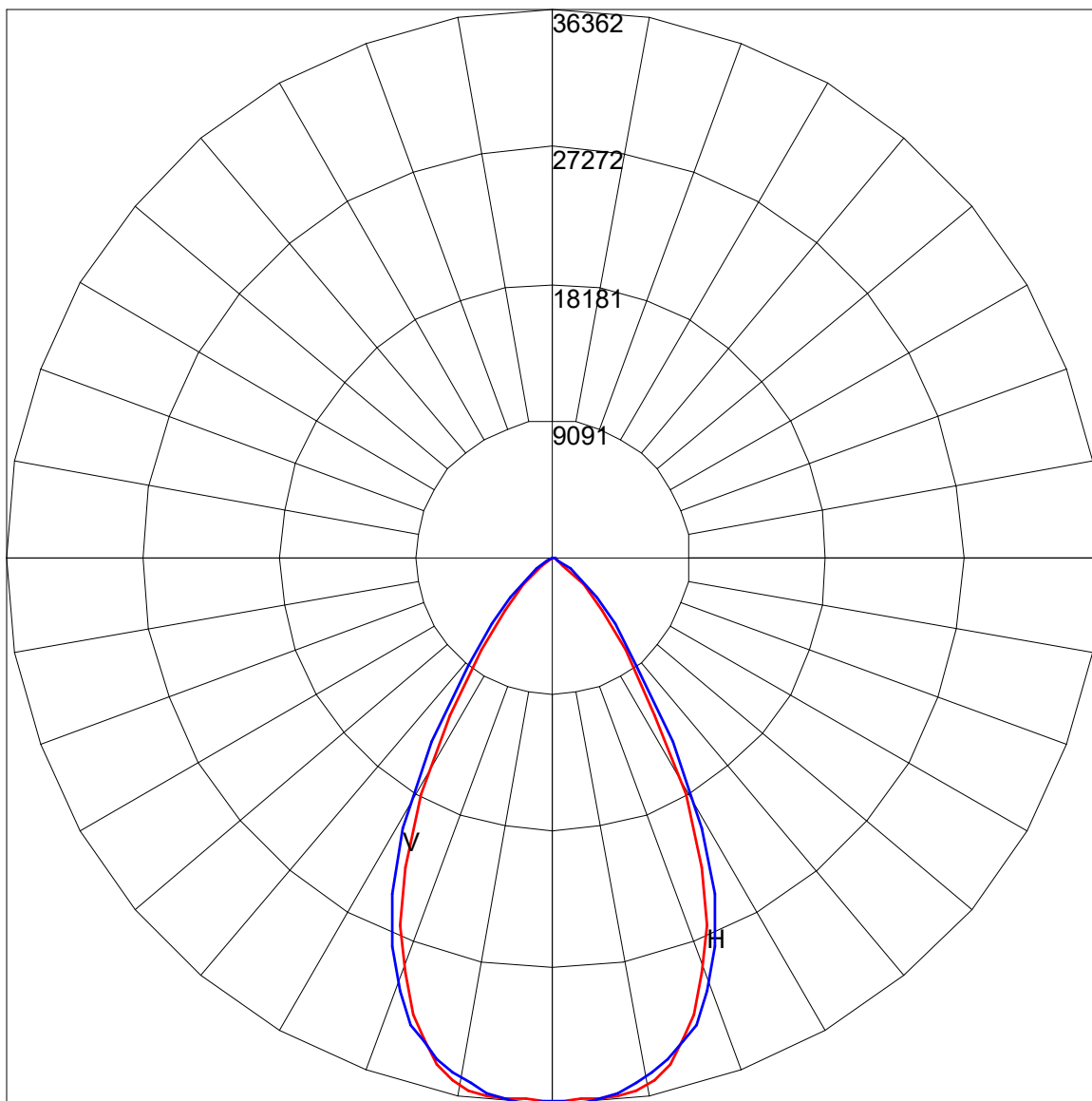
15	0.04	0.00	546.63
13	0.04	0.00	565.54
11	0.04	0.00	581.76
9	0.04	0.00	595.11
7	0.04	0.00	605.33
5	0.04	0.00	612.10
3	0.04	0.00	615.41
1	0.02	0.00	308.04
0	0.02	0.00	308.04
-1	0.04	0.00	615.41
-3	0.04	0.00	612.10
-5	0.04	0.00	605.33
-7	0.04	0.00	595.11
-9	0.04	0.00	581.76
-11	0.04	0.00	565.54
-13	0.04	0.00	546.63
-15	0.03	0.00	524.92
-17	0.04	0.00	617.70
-19.5	0.05	0.00	671.74
-22.5	0.05	0.00	586.19
-25.5	0.06	0.00	569.05
-29	0.06	0.00	495.68
-33	0.06	0.00	386.09
-37.5	0.07	0.00	284.59
-42.5	0.06	0.00	186.55
-47.5	0.08	0.00	152.96
-55	0.08	0.00	73.82
-65	0.06	0.00	19.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80-FGS.IES

LUMENS TABULATION - (Cont.)

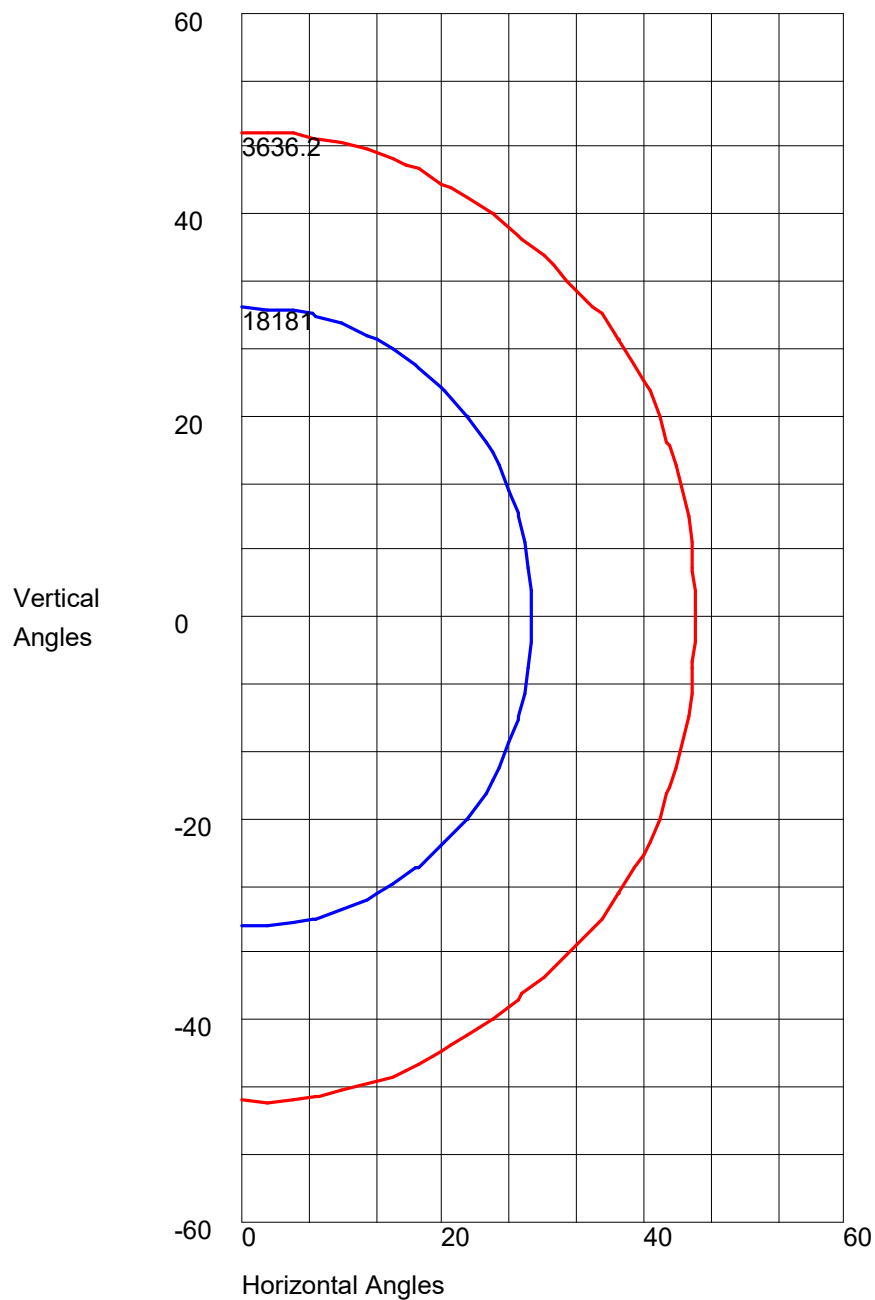
-75	0.03	0.00	4.77
-85	0.00	0.00	0.74
-90			
Total	2.03	0.06	18008.15

AXIAL CANDELA DISPLAY



Maximum Candela = 36362 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 36362 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 18181
10% Maximum Candela = 3636.2