



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12616
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-24L-PC-NF-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	3 H x 3 V
Maximum Candela	92718
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	26.7
Vertical Beam Angle (50%)	28.5
Horizontal Field Angle (10%)	42.3
Vertical Field Angle (10%)	45.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13613
Beam Efficiency	N.A.
Field Lumens	20170
Field Efficiency	N.A.
Spill Lumens	4537
Luminaire Lumens	24707
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	5	85	17
75	20	75	32
65	88	65	428
55	411	55	956
47.5	589	47.5	1209
42.5	741	42.5	1166
37.5	1004	37.5	1264
33	1499	33	1833
29	2503	29	3222
25.5	4035	25.5	5424
22.5	6578	22.5	9341
19.5	12705	19.5	17119
17	22805	17	28008
15	35025	15	40322
13	49565	13	56052
11	63553	11	70587
9	74935	9	81818
7	82834	7	88944
5	87549	5	92468
3	90390	3	92718
1	91566	1	92239
0	91877	0	91877
-1	91566	-1	92239
-3	90390	-3	92718
-5	87549	-5	92468
-7	82834	-7	88944
-9	74935	-9	81818
-11	63553	-11	70587
-13	49565	-13	56052
-15	35025	-15	40322
-17	22805	-17	28008
-19.5	12705	-19.5	17119
-22.5	6578	-22.5	9341
-25.5	4035	-25.5	5424
-29	2503	-29	3222
-33	1499	-33	1833
-37.5	1004	-37.5	1264
-42.5	741	-42.5	1166
-47.5	589	-47.5	1209
-55	411	-55	956
-65	88	-65	428
-75	20	-75	32
-85	5	-85	17
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 92718

Beam Edge = 46359 Cd (50% of Max.)

Field Edge = 9271.8 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	3	8	13	15	16	17	17	18
75.0	0	2	5	8	12	14	16	19	20	23
65.0	0	3	7	12	19	29	54	109	169	210
55.0	0	3	9	18	34	137	248	356	448	529
47.5	0	4	11	23	85	298	450	575	692	802
42.5	0	4	13	27	148	392	528	659	773	876
37.5	0	4	14	30	211	452	578	716	822	911
33.0	0	4	15	34	263	489	622	759	868	978
29.0	0	4	16	36	304	520	653	790	928	1104
25.5	0	5	17	39	335	544	674	822	1010	1271
22.5	0	5	18	49	357	560	692	849	1088	1449
19.5	0	5	18	60	377	570	708	886	1163	1629
17.0	0	5	19	67	389	575	719	912	1235	1789
15.0	0	5	19	71	397	581	727	927	1285	1891
13.0	0	5	19	75	403	586	734	945	1322	2065
11.0	0	5	19	78	407	589	739	961	1367	2196
9.0	0	5	20	81	410	590	741	978	1414	2284
7.0	0	5	20	84	411	590	741	989	1456	2382
5.0	0	5	20	86	413	589	738	995	1481	2465
3.0	0	5	20	88	415	592	743	999	1491	2497
1.0	0	5	20	88	412	590	742	1005	1500	2512
0.0	0	5	20	88	411	589	741	1004	1499	2503
-1.0	0	5	20	88	412	590	742	1005	1500	2512
-3.0	0	5	20	88	415	592	743	999	1491	2497
-5.0	0	5	20	86	413	589	738	995	1481	2465
-7.0	0	5	20	84	411	590	741	989	1456	2382
-9.0	0	5	20	81	410	590	741	978	1414	2284
-11.0	0	5	19	78	407	589	739	961	1367	2196
-13.0	0	5	19	75	403	586	734	945	1322	2065
-15.0	0	5	19	71	397	581	727	927	1285	1891
-17.0	0	5	19	67	389	575	719	912	1235	1789
-19.5	0	5	18	60	377	570	708	886	1163	1629
-22.5	0	5	18	49	357	560	692	849	1088	1449
-25.5	0	5	17	39	335	544	674	822	1010	1271
-29.0	0	4	16	36	304	520	653	790	928	1104
-33.0	0	4	15	34	263	489	622	759	868	978
-37.5	0	4	14	30	211	452	578	716	822	911
-42.5	0	4	13	27	148	392	528	659	773	876
-47.5	0	4	11	23	85	298	450	575	692	802
-55.0	0	3	9	18	34	137	248	356	448	529
-65.0	0	3	7	12	19	29	54	109	169	210
-75.0	0	2	5	8	12	14	16	19	20	23
-85.0	0	1	3	8	13	15	16	17	17	18
-90.0	0	0	0	0	0	0	0	0	0	0

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

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	18	19	19	19	19	19	19	18	18	18
75.0	25	27	28	29	30	31	31	31	32	32
65.0	240	267	302	328	346	362	377	391	404	415
55.0	607	670	731	779	816	851	880	904	926	946
47.5	893	944	1010	1052	1077	1104	1133	1151	1171	1191
42.5	943	998	1044	1074	1098	1121	1141	1153	1159	1165
37.5	984	1038	1109	1165	1198	1234	1261	1278	1281	1276
33.0	1102	1236	1371	1489	1568	1626	1703	1763	1803	1828
29.0	1336	1579	1867	2122	2306	2564	2756	2896	3031	3157
25.5	1620	2055	2600	3109	3616	4095	4453	4847	5111	5313
22.5	1962	2655	3600	4556	5489	6286	6939	7796	8467	9003
19.5	2390	3396	4890	6407	7853	9464 *	10898 *	12805 *	14328 *	15500 *
17.0	2725	4091	5960	8201	10180 *	13182 *	15899 *	19295 *	22375 *	25000 *
15.0	3038	4602	6844	9480 *	13167 *	16973 *	21930 *	26179 *	31550 *	36240 *
13.0	3299	5052	7740	11577 *	15956 *	22498 *	29173 *	36725 *	43055 *	49476 *
11.0	3525	5396	8631	13282 *	20145 *	28250 *	38036 *	47564 *	56504 *	63470 *
9.0	3779	5947	9864 *	16125 *	23702 *	34721 *	46355 *	58247 *	67561 *	75746 *
7.0	3948	6324	10880 *	18709 *	28387 *	40366 *	53880 *	65858 *	76333 *	82392 *
5.0	4067	6576	11572 *	20641 *	32207 *	45428 *	59053 *	71584 *	80071 *	86334 *
3.0	4089	6672	12500 *	22305 *	34579 *	48755 *	62343 *	74101 *	82578 *	87378 *
1.0	4066	6657	12837 *	23029 *	35571 *	49991 *	63660 *	74777 *	82663 *	87720 *
0.0	4035	6578	12705 *	22805 *	35025 *	49565 *	63553 *	74935 *	82834 *	87549 *
-1.0	4066	6657	12837 *	23029 *	35571 *	49991 *	63660 *	74777 *	82663 *	87720 *
-3.0	4089	6672	12500 *	22305 *	34579 *	48755 *	62343 *	74101 *	82578 *	87378 *
-5.0	4067	6576	11572 *	20641 *	32207 *	45428 *	59053 *	71584 *	80071 *	86334 *
-7.0	3948	6324	10880 *	18709 *	28387 *	40366 *	53880 *	65858 *	76333 *	82392 *
-9.0	3779	5947	9864 *	16125 *	23702 *	34721 *	46355 *	58247 *	67561 *	75746 *
-11.0	3525	5396	8631	13282 *	20145 *	28250 *	38036 *	47564 *	56504 *	63470 *
-13.0	3299	5052	7740	11577 *	15956 *	22498 *	29173 *	36725 *	43055 *	49476 *
-15.0	3038	4602	6844	9480 *	13167 *	16973 *	21930 *	26179 *	31550 *	36240 *
-17.0	2725	4091	5960	8201	10180 *	13182 *	15899 *	19295 *	22375 *	25000 *
-19.5	2390	3396	4890	6407	7853	9464 *	10898 *	12805 *	14328 *	15500 *
-22.5	1962	2655	3600	4556	5489	6286	6939	7796	8467	9003
-25.5	1620	2055	2600	3109	3616	4095	4453	4847	5111	5313
-29.0	1336	1579	1867	2122	2306	2564	2756	2896	3031	3157
-33.0	1102	1236	1371	1489	1568	1626	1703	1763	1803	1828
-37.5	984	1038	1109	1165	1198	1234	1261	1278	1281	1276
-42.5	943	998	1044	1074	1098	1121	1141	1153	1159	1165
-47.5	893	944	1010	1052	1077	1104	1133	1151	1171	1191
-55.0	607	670	731	779	816	851	880	904	926	946
-65.0	240	267	302	328	346	362	377	391	404	415
-75.0	25	27	28	29	30	31	31	31	32	32
-85.0	18	19	19	19	19	19	19	18	18	18
-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	18	17	17	17	18	18	18	18	19	19
75.0	32	32	32	32	32	32	32	31	31	31
65.0	423	426	428	426	423	415	404	391	377	362

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

CANDELA TABULATION - (Cont.)

55.0	958	957	956	957	958	946	926	904	880	851
47.5	1211	1210	1209	1210	1211	1191	1171	1151	1133	1104
42.5	1168	1167	1166	1167	1168	1165	1159	1153	1141	1121
37.5	1264	1265	1264	1265	1264	1276	1281	1278	1261	1234
33.0	1834	1837	1833	1837	1834	1828	1803	1763	1703	1626
29.0	3217	3234	3222	3234	3217	3157	3031	2896	2756	2564
25.5	5422	5445	5424	5445	5422	5313	5111	4847	4453	4095
22.5	9386 *	9480 *	9341 *	9480 *	9386 *	9003	8467	7796	6939	6286
19.5	16727 *	17248 *	17119 *	17248 *	16727 *	15500 *	14328 *	12805 *	10898 *	9464 *
17.0	27156 *	28185 *	28008 *	28185 *	27156 *	25000 *	22375 *	19295 *	15899 *	13182 *
15.0	39402 *	40804 *	40322 *	40804 *	39402 *	36240 *	31550 *	26179 *	21930 *	16973 *
13.0	54263 *	56280 *	56052 *	56280 *	54263 *	49476 *	43055 *	36725 *	29173 *	22498 *
11.0	68420 *	70726 *	70587 *	70726 *	68420 *	63470 *	56504 *	47564 *	38036 *	28250 *
9.0	80141 *	81852 *	81818 *	81852 *	80141 *	75746 *	67561 *	58247 *	46355 *	34721 *
7.0	87330 *	88825 *	88944 *	88825 *	87330 *	82392 *	76333 *	65858 *	53880 *	40366 *
5.0	89789 *	92112 *	92468 *	92112 *	89789 *	86334 *	80071 *	71584 *	59053 *	45428 *
3.0	90537 *	92378 *	92718 *	92378 *	90537 *	87378 *	82578 *	74101 *	62343 *	48755 *
1.0	90488 *	91876 *	92239 *	91876 *	90488 *	87720 *	82663 *	74777 *	63660 *	49991 *
0.0	90390 *	91566 *	91877 *	91566 *	90390 *	87549 *	82834 *	74935 *	63553 *	49565 *
-1.0	90488 *	91876 *	92239 *	91876 *	90488 *	87720 *	82663 *	74777 *	63660 *	49991 *
-3.0	90537 *	92378 *	92718 *	92378 *	90537 *	87378 *	82578 *	74101 *	62343 *	48755 *
-5.0	89789 *	92112 *	92468 *	92112 *	89789 *	86334 *	80071 *	71584 *	59053 *	45428 *
-7.0	87330 *	88825 *	88944 *	88825 *	87330 *	82392 *	76333 *	65858 *	53880 *	40366 *
-9.0	80141 *	81852 *	81818 *	81852 *	80141 *	75746 *	67561 *	58247 *	46355 *	34721 *
-11.0	68420 *	70726 *	70587 *	70726 *	68420 *	63470 *	56504 *	47564 *	38036 *	28250 *
-13.0	54263 *	56280 *	56052 *	56280 *	54263 *	49476 *	43055 *	36725 *	29173 *	22498 *
-15.0	39402 *	40804 *	40322 *	40804 *	39402 *	36240 *	31550 *	26179 *	21930 *	16973 *
-17.0	27156 *	28185 *	28008 *	28185 *	27156 *	25000 *	22375 *	19295 *	15899 *	13182 *
-19.5	16727 *	17248 *	17119 *	17248 *	16727 *	15500 *	14328 *	12805 *	10898 *	9464 *
-22.5	9386 *	9480 *	9341 *	9480 *	9386 *	9003	8467	7796	6939	6286
-25.5	5422	5445	5424	5445	5422	5313	5111	4847	4453	4095
-29.0	3217	3234	3222	3234	3217	3157	3031	2896	2756	2564
-33.0	1834	1837	1833	1837	1834	1828	1803	1763	1703	1626
-37.5	1264	1265	1264	1265	1264	1276	1281	1278	1261	1234
-42.5	1168	1167	1166	1167	1168	1165	1159	1153	1141	1121
-47.5	1211	1210	1209	1210	1211	1191	1171	1151	1133	1104
-55.0	958	957	956	957	958	946	926	904	880	851
-65.0	423	426	428	426	423	415	404	391	377	362
-75.0	32	32	32	32	32	32	32	31	31	31
-85.0	18	17	17	17	18	18	18	18	19	19
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **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	19	19	19	19	18	18	17	17	16	15
75.0	30	29	28	27	25	23	20	19	16	14
65.0	346	328	302	267	240	210	169	109	54	29
55.0	816	779	731	670	607	529	448	356	248	137
47.5	1077	1052	1010	944	893	802	692	575	450	298
42.5	1098	1074	1044	998	943	876	773	659	528	392
37.5	1198	1165	1109	1038	984	911	822	716	578	452
33.0	1568	1489	1371	1236	1102	978	868	759	622	489
29.0	2306	2122	1867	1579	1336	1104	928	790	653	520
25.5	3616	3109	2600	2055	1620	1271	1010	822	674	544

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

CANDELA TABULATION - (Cont.)

22.5	5489	4556	3600	2655	1962	1449	1088	849	692	560
19.5	7853	6407	4890	3396	2390	1629	1163	886	708	570
17.0	10180 *	8201	5960	4091	2725	1789	1235	912	719	575
15.0	13167 *	9480 *	6844	4602	3038	1891	1285	927	727	581
13.0	15956 *	11577 *	7740	5052	3299	2065	1322	945	734	586
11.0	20145 *	13282 *	8631	5396	3525	2196	1367	961	739	589
9.0	23702 *	16125 *	9864 *	5947	3779	2284	1414	978	741	590
7.0	28387 *	18709 *	10880 *	6324	3948	2382	1456	989	741	590
5.0	32207 *	20641 *	11572 *	6576	4067	2465	1481	995	738	589
3.0	34579 *	22305 *	12500 *	6672	4089	2497	1491	999	743	592
1.0	35571 *	23029 *	12837 *	6657	4066	2512	1500	1005	742	590
0.0	35025 *	22805 *	12705 *	6578	4035	2503	1499	1004	741	589
-1.0	35571 *	23029 *	12837 *	6657	4066	2512	1500	1005	742	590
-3.0	34579 *	22305 *	12500 *	6672	4089	2497	1491	999	743	592
-5.0	32207 *	20641 *	11572 *	6576	4067	2465	1481	995	738	589
-7.0	28387 *	18709 *	10880 *	6324	3948	2382	1456	989	741	590
-9.0	23702 *	16125 *	9864 *	5947	3779	2284	1414	978	741	590
-11.0	20145 *	13282 *	8631	5396	3525	2196	1367	961	739	589
-13.0	15956 *	11577 *	7740	5052	3299	2065	1322	945	734	586
-15.0	13167 *	9480 *	6844	4602	3038	1891	1285	927	727	581
-17.0	10180 *	8201	5960	4091	2725	1789	1235	912	719	575
-19.5	7853	6407	4890	3396	2390	1629	1163	886	708	570
-22.5	5489	4556	3600	2655	1962	1449	1088	849	692	560
-25.5	3616	3109	2600	2055	1620	1271	1010	822	674	544
-29.0	2306	2122	1867	1579	1336	1104	928	790	653	520
-33.0	1568	1489	1371	1236	1102	978	868	759	622	489
-37.5	1198	1165	1109	1038	984	911	822	716	578	452
-42.5	1098	1074	1044	998	943	876	773	659	528	392
-47.5	1077	1052	1010	944	893	802	692	575	450	298
-55.0	816	779	731	670	607	529	448	356	248	137
-65.0	346	328	302	267	240	210	169	109	54	29
-75.0	30	29	28	27	25	23	20	19	16	14
-85.0	19	19	19	19	18	18	17	17	16	15
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	13	8	3	1	0
75.0	12	8	5	2	0
65.0	19	12	7	3	0
55.0	34	18	9	3	0
47.5	85	23	11	4	0
42.5	148	27	13	4	0
37.5	211	30	14	4	0
33.0	263	34	15	4	0
29.0	304	36	16	4	0
25.5	335	39	17	5	0
22.5	357	49	18	5	0
19.5	377	60	18	5	0
17.0	389	67	19	5	0
15.0	397	71	19	5	0
13.0	403	75	19	5	0
11.0	407	78	19	5	0
9.0	410	81	20	5	0

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

CANDELA TABULATION - (Cont.)

7.0	411	84	20	5	0
5.0	413	86	20	5	0
3.0	415	88	20	5	0
1.0	412	88	20	5	0
0.0	411	88	20	5	0
-1.0	412	88	20	5	0
-3.0	415	88	20	5	0
-5.0	413	86	20	5	0
-7.0	411	84	20	5	0
-9.0	410	81	20	5	0
-11.0	407	78	19	5	0
-13.0	403	75	19	5	0
-15.0	397	71	19	5	0
-17.0	389	67	19	5	0
-19.5	377	60	18	5	0
-22.5	357	49	18	5	0
-25.5	335	39	17	5	0
-29.0	304	36	16	4	0
-33.0	263	34	15	4	0
-37.5	211	30	14	4	0
-42.5	148	27	13	4	0
-47.5	85	23	11	4	0
-55.0	34	18	9	3	0
-65.0	19	12	7	3	0
-75.0	12	8	5	2	0
-85.0	13	8	3	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12353.63

Total Field Lumens (one side of beam only) = 10085.14

* 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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.17
65	0.70	1.39	1.37	1.34	1.29	1.24	1.19	1.14	1.07	1.24
55	2.11	4.21	4.17	4.08	3.96	3.83	3.68	3.51	3.32	3.87
47.5	2.47	4.95	4.91	4.81	4.70	4.58	4.43	4.26	4.09	4.84
42.5	1.81	3.62	3.60	3.55	3.49	3.43	3.35	3.25	3.15	3.78
37.5	1.85	3.70	3.70	3.70	3.67	3.62	3.54	3.44	3.32	3.97
33	2.12	4.25	4.24	4.22	4.16	4.05	3.90	3.74	3.57	4.18
29	3.08	6.16	6.10	5.95	5.73	5.47	5.15	4.77	4.38	4.95
25.5	4.62	9.23	9.10	8.81	8.39	7.85	7.23	6.51	5.71	6.14
22.5	6.78	13.58	13.27	12.68	11.86	10.81	9.73	8.64	7.37	7.52
19.5	12.15 *	24.13 *	23.07 *	21.49 *	19.63 *	17.30 *	15.01	12.90	10.67	10.55
17	17.24 *	33.99 *	32.05 *	29.23 *	25.94 *	22.08 *	18.41 *	15.03 *	11.95	11.51
15	20.91 *	41.26 *	38.83 *	34.89 *	29.98 *	24.99 *	20.26 *	15.81 *	12.01 *	11.02
13	29.46 *	58.07 *	54.51 *	48.57 *	41.48 *	34.20 *	26.99 *	20.27 *	14.69 *	12.89
11	38.63 *	76.01 *	71.60 *	64.37 *	55.46 *	45.45 *	35.14 *	25.67 *	17.85 *	14.91 *
9	46.45 *	91.67 *	87.44 *	79.76 *	69.34 *	57.06 *	43.91 *	31.57 *	21.45 *	17.32 *
7	52.00 *	102.94 *	98.94 *	91.50 *	80.84 *	67.30 *	52.24 *	37.59 *	25.45 *	20.10 *
5	55.19 *	109.00 *	105.09 *	98.49 *	88.64 *	75.11 *	59.21 *	43.27 *	29.26 *	22.35 *
3	56.30 *	111.06 *	107.58 *	101.89 *	93.01 *	80.12 *	64.23 *	47.58 *	32.13 *	24.23 *
1	56.23 *	111.20 *	108.21 *	103.10 *	94.75 *	82.46 *	66.96 *	49.92 *	33.81 *	25.55 *
0	27.99 *	55.45 *	54.11 *	51.61 *	47.54 *	41.54 *	33.78 *	25.14 *	17.05 *	12.90 *
-1	27.99 *	55.45 *	54.11 *	51.61 *	47.54 *	41.54 *	33.78 *	25.14 *	17.05 *	12.90 *
	56.23 *	111.20 *	108.21 *	103.10 *	94.75 *	82.46 *	66.96 *	49.92 *	33.81 *	25.55 *

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

LUMENS TABULATION - (Cont.)

-3	56.30 *	111.06 *	107.58 *	101.89 *	93.01 *	80.12 *	64.23 *	47.58 *	32.13 *	24.23 *
-5	55.19 *	109.00 *	105.09 *	98.49 *	88.64 *	75.11 *	59.21 *	43.27 *	29.26 *	22.35 *
-7	52.00 *	102.94 *	98.94 *	91.50 *	80.84 *	67.30 *	52.24 *	37.59 *	25.45 *	20.10 *
-9	46.45 *	91.67 *	87.44 *	79.76 *	69.34 *	57.06 *	43.91 *	31.57 *	21.45 *	17.32 *
-11	38.63 *	76.01 *	71.60 *	64.37 *	55.46 *	45.45 *	35.14 *	25.67 *	17.85 *	14.91 *
-13	29.46 *	58.07 *	54.51 *	48.57 *	41.48 *	34.20 *	26.99 *	20.27 *	14.69 *	12.89
-15	20.91 *	41.26 *	38.83 *	34.89 *	29.98 *	24.99 *	20.26 *	15.81 *	12.01 *	11.02
-17	17.24 *	33.99 *	32.05 *	29.23 *	25.94 *	22.08 *	18.41 *	15.03 *	11.95	11.51
-19.5	12.15 *	24.13 *	23.07 *	21.49 *	19.63 *	17.30 *	15.01	12.90	10.67	10.55
-22.5	6.78	13.58	13.27	12.68	11.86	10.81	9.73	8.64	7.37	7.52
-25.5	4.62	9.23	9.10	8.81	8.39	7.85	7.23	6.51	5.71	6.14
-29	3.08	6.16	6.10	5.95	5.73	5.47	5.15	4.77	4.38	4.95
-33	2.12	4.25	4.24	4.22	4.16	4.05	3.90	3.74	3.57	4.18
-37.5	1.85	3.70	3.70	3.70	3.67	3.62	3.54	3.44	3.32	3.97
-42.5	1.81	3.62	3.60	3.55	3.49	3.43	3.35	3.25	3.15	3.78
-47.5	2.47	4.95	4.91	4.81	4.70	4.58	4.43	4.26	4.09	4.84
-55	2.11	4.21	4.17	4.08	3.96	3.83	3.68	3.51	3.32	3.87
-65	0.70	1.39	1.37	1.34	1.29	1.24	1.19	1.14	1.07	1.24
-75	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.17
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-90										
Total	876.39	1732.05	1664.12	1548.41	1388.05	1185.3	957.07	728.34	524.97	448.06

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	0.01
85	0.20	0.19	0.20	0.20	0.20	0.20	0.16	0.19	0.16	0.06
75	1.33	1.17	1.18	1.10	0.89	0.58	0.30	0.26	0.19	0.08
65	4.20	3.72	3.76	3.54	3.03	2.24	1.26	0.78	0.32	0.12
55	5.37	4.87	5.03	4.84	4.35	3.56	2.29	1.48	0.46	0.12

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

LUMENS TABULATION - (Cont.)

47.5										
	4.26	3.94	4.16	4.10	3.78	3.23	2.24	1.65	0.54	0.10
42.5	4.47	4.14	4.40	4.41	4.15	3.62	2.62	2.15	0.79	0.11
37.5	4.56	4.09	4.24	4.20	3.98	3.51	2.59	2.27	0.92	0.11
33	5.16	4.38	4.28	4.05	3.74	3.29	2.46	2.25	0.97	0.11
29	6.05	4.81	4.42	3.94	3.48	3.00	2.25	2.13	0.95	0.10
25.5	6.98	5.19	4.48	3.77	3.16	2.66	1.99	1.92	0.89	0.10
22.5	9.30	6.51	5.28	4.17	3.35	2.74	2.04	2.00	0.96	0.11
19.5	9.78	6.57	5.05	3.80	2.93	2.35	1.73	1.71	0.85	0.11
17	9.17	6.03	4.47	3.24	2.44	1.92	1.40	1.39	0.70	0.09
15	10.34	6.67	4.88	3.43	2.51	1.94	1.41	1.41	0.72	0.10
13	11.44	7.21	5.25	3.63	2.57	1.97	1.43	1.42	0.73	0.10
11	12.73	7.78	5.58	3.79	2.64	1.99	1.43	1.43	0.74	0.10
9	14.08	8.35	5.87	3.93	2.71	2.01	1.43	1.43	0.75	0.11
7	15.08	8.73	6.09	4.06	2.75	2.02	1.43	1.43	0.76	0.11
5	15.92 *	8.93	6.22	4.14	2.78	2.03	1.43	1.44	0.76	0.11
3	16.49 *	8.97	6.24	4.18	2.80	2.03	1.44	1.44	0.76	0.11
1	8.27 *	4.45	3.11	2.09	1.40	1.02	0.72	0.72	0.38	0.06
0	8.27 *	4.45	3.11	2.09	1.40	1.02	0.72	0.72	0.38	0.06
-1	16.49 *	8.97	6.24	4.18	2.80	2.03	1.44	1.44	0.76	0.11
-3	15.92 *	8.93	6.22	4.14	2.78	2.03	1.43	1.44	0.76	0.11
-5	15.08	8.73	6.09	4.06	2.75	2.02	1.43	1.43	0.76	0.11
-7	14.08	8.35	5.87	3.93	2.71	2.01	1.43	1.43	0.75	0.11
-9	12.73	7.78	5.58	3.79	2.64	1.99	1.43	1.43	0.74	0.10
-11	11.44	7.21	5.25	3.63	2.57	1.97	1.43	1.42	0.73	0.10
-13	10.34	6.67	4.88	3.43	2.51	1.94	1.41	1.41	0.72	0.10
-15	9.17	6.03	4.47	3.24	2.44	1.92	1.40	1.39	0.70	0.09
-17	9.78	6.57	5.05	3.80	2.93	2.35	1.73	1.71	0.85	0.11
-19.5	9.30	6.51	5.28	4.17	3.35	2.74	2.04	2.00	0.96	0.11

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

LUMENS TABULATION - (Cont.)

-22.5	6.98	5.19	4.48	3.77	3.16	2.66	1.99	1.92	0.89	0.10
-25.5	6.05	4.81	4.42	3.94	3.48	3.00	2.25	2.13	0.95	0.10
-29	5.16	4.38	4.28	4.05	3.74	3.29	2.46	2.25	0.97	0.11
-33	4.56	4.09	4.24	4.20	3.98	3.51	2.59	2.27	0.92	0.11
-37.5	4.47	4.14	4.40	4.41	4.15	3.62	2.62	2.15	0.79	0.11
-42.5	4.26	3.94	4.16	4.10	3.78	3.23	2.24	1.65	0.54	0.10
-47.5	5.37	4.87	5.03	4.84	4.35	3.56	2.29	1.48	0.46	0.12
-55	4.20	3.72	3.76	3.54	3.03	2.24	1.26	0.78	0.32	0.12
-65	1.33	1.17	1.18	1.10	0.89	0.58	0.30	0.26	0.19	0.08
-75	0.20	0.19	0.20	0.20	0.20	0.20	0.16	0.19	0.16	0.06
-85	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.01
-90	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.01
Total	350.42	233.53	188.49	149.35	119.37	95.91	68.24	61.88	28.68	4.24

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.68
85				
	0.01	0.00		3.22
75				
	0.02	0.00		19.09
65				
	0.03	0.00		59.72
55				
	0.03	0.00		76.44
47.5				
	0.02	0.00		61.05
42.5				
	0.02	0.00		65.40
37.5				
	0.02	0.00		68.95
33				
	0.02	0.00		82.47
29				
	0.02	0.00		104.72
25.5				
	0.02	0.00		133.41
22.5				
	0.02	0.00		203.40
19.5				
	0.02	0.00		252.33
17				
	0.01	0.00		280.84

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

LUMENS TABULATION - (Cont.)

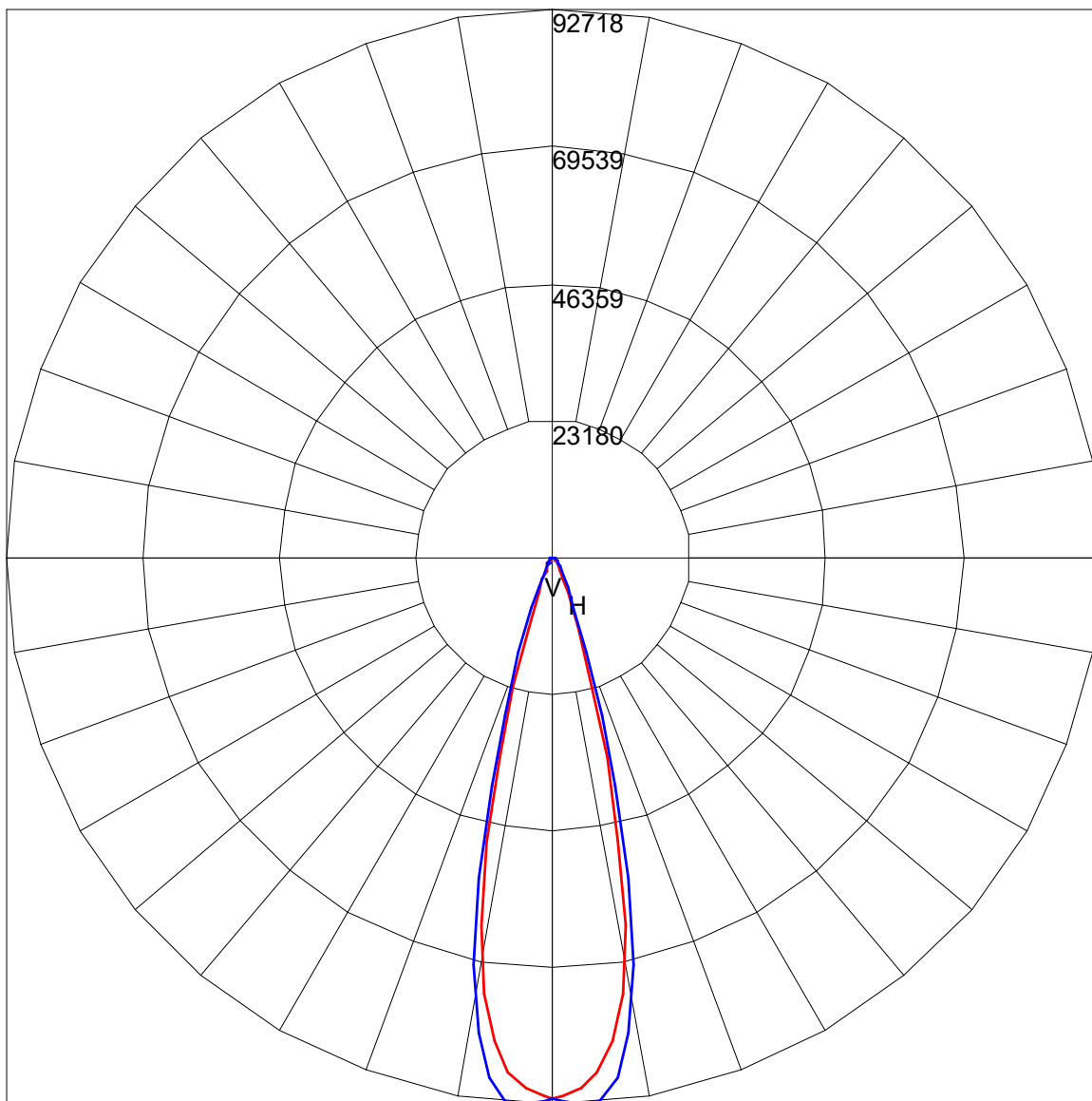
15	0.01	0.00	374.54
13	0.01	0.00	480.84
11	0.01	0.00	584.20
9	0.01	0.00	669.57
7	0.01	0.00	728.07
5	0.01	0.00	761.89
3	0.01	0.00	776.66
1	0.01	0.00	389.33
0	0.01	0.00	389.33
-1	0.01	0.00	776.66
-3	0.01	0.00	761.89
-5	0.01	0.00	728.07
-7	0.01	0.00	669.57
-9	0.01	0.00	584.20
-11	0.01	0.00	480.84
-13	0.01	0.00	374.54
-15	0.01	0.00	280.84
-17	0.02	0.00	252.33
-19.5	0.02	0.00	203.40
-22.5	0.02	0.00	133.41
-25.5	0.02	0.00	104.72
-29	0.02	0.00	82.47
-33	0.02	0.00	68.95
-37.5	0.02	0.00	65.40
-42.5	0.02	0.00	61.05
-47.5	0.03	0.00	76.44
-55	0.03	0.00	59.72
-65	0.02	0.00	19.09

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

LUMENS TABULATION - (Cont.)

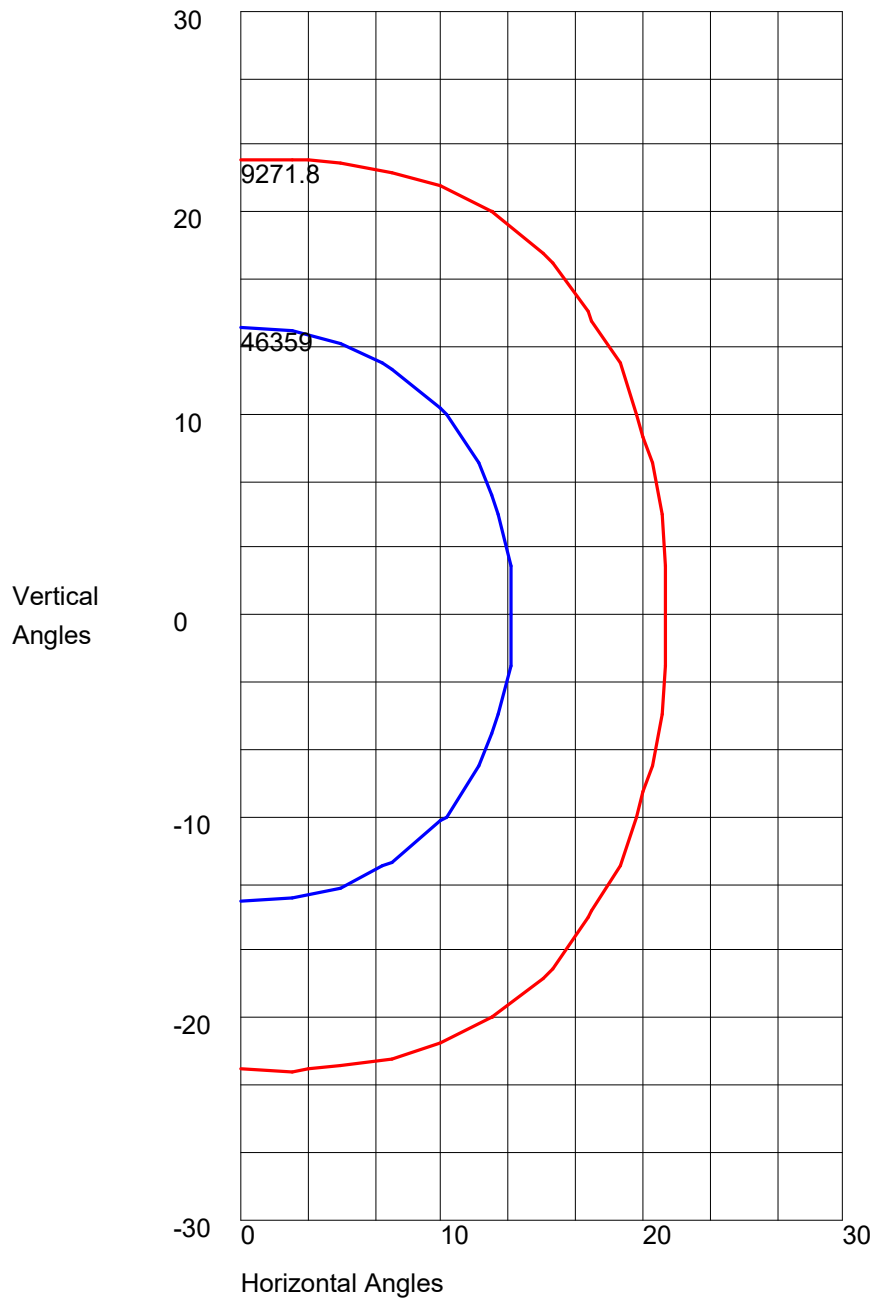
-75	0.01	0.00	3.22
-85	0.00	0.00	0.68
-90			
Total	0.73	0.02	12353.63

AXIAL CANDELA DISPLAY



Maximum Candela = 92718 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 92718 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 46359
10% Maximum Candela = 9271.8