



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12459  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/05/21  
[TEST DATE] 01/22/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[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  
[LUMCAT] PFL-LED-24L-PC-NF-50-80

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

**CHARACTERISTICS**

NEMA Type	3 H x 3 V
Maximum Candela	80645
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	25.8
Vertical Beam Angle (50%)	28.7
Horizontal Field Angle (10%)	42.1
Vertical Field Angle (10%)	45.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	12017
Beam Efficiency	N.A.
Field Lumens	17584
Field Efficiency	N.A.
Spill Lumens	6481
Luminaire Lumens	24065
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	124	85	187
75	389	75	556
65	664	65	1039
55	868	55	1449
47.5	914	47.5	1372
42.5	977	42.5	1283
37.5	1181	37.5	1346
33	1629	33	1837
29	2531	29	3048
25.5	3851	25.5	4984
22.5	6092	22.5	8018
19.5	11807	19.5	15162
17	20654	17	25062
15	30528	15	35948
13	43183	13	49786
11	55049	11	62385
9	64424	9	72148
7	70570	7	78251
5	73712	5	80645
3	75941	3	79095
1	77112	1	77996
0	77522	0	77522
-1	77112	-1	77996
-3	75941	-3	79095
-5	73712	-5	80645
-7	70570	-7	78251
-9	64424	-9	72148
-11	55049	-11	62385
-13	43183	-13	49786
-15	30528	-15	35948
-17	20654	-17	25062
-19.5	11807	-19.5	15162
-22.5	6092	-22.5	8018
-25.5	3851	-25.5	4984
-29	2531	-29	3048
-33	1629	-33	1837
-37.5	1181	-37.5	1346
-42.5	977	-42.5	1283
-47.5	914	-47.5	1372
-55	868	-55	1449
-65	664	-65	1039
-75	389	-75	556
-85	124	-85	187
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 80645

Beam Edge = 40322.5 Cd (50% of Max.)

Field Edge = 8064.5 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	1	1	1	1
<b>85.0</b>	0	15	57	127	190	208	218	225	224	214
<b>75.0</b>	0	43	139	252	380	459	509	553	582	578
<b>65.0</b>	0	71	191	359	551	689	778	846	901	918
<b>55.0</b>	0	90	242	447	676	859	984	1103	1185	1258
<b>47.5</b>	0	99	277	504	755	1006	1143	1236	1283	1323
<b>42.5</b>	0	104	299	536	800	1048	1167	1229	1276	1306
<b>37.5</b>	0	109	318	565	839	1055	1156	1214	1240	1254
<b>33.0</b>	0	113	334	589	863	1039	1121	1175	1194	1252
<b>29.0</b>	0	116	346	609	876	1018	1079	1128	1192	1327
<b>25.5</b>	0	118	355	627	879	1000	1043	1102	1230	1447
<b>22.5</b>	0	120	361	635	877	977	1023	1089	1273	1583
<b>19.5</b>	0	121	367	644	882	953	1007	1098	1316	1716
<b>17.0</b>	0	122	372	649	881	934	998	1110	1365	1844
<b>15.0</b>	0	123	376	653	880	932	993	1116	1409	1935
<b>13.0</b>	0	123	379	656	878	929	991	1132	1441	2088
<b>11.0</b>	0	125	382	657	876	926	990	1145	1483	2197
<b>9.0</b>	0	125	385	660	873	923	988	1160	1527	2263
<b>7.0</b>	0	125	387	663	870	919	985	1170	1567	2360
<b>5.0</b>	0	125	390	664	870	915	981	1175	1592	2451
<b>3.0</b>	0	124	389	666	870	916	981	1179	1607	2494
<b>1.0</b>	0	124	389	665	869	915	978	1182	1625	2528
<b>0.0</b>	0	124	389	664	868	914	977	1181	1629	2531
<b>-1.0</b>	0	124	389	665	869	915	978	1182	1625	2528
<b>-3.0</b>	0	124	389	666	870	916	981	1179	1607	2494
<b>-5.0</b>	0	125	390	664	870	915	981	1175	1592	2451
<b>-7.0</b>	0	125	387	663	870	919	985	1170	1567	2360
<b>-9.0</b>	0	125	385	660	873	923	988	1160	1527	2263
<b>-11.0</b>	0	125	382	657	876	926	990	1145	1483	2197
<b>-13.0</b>	0	123	379	656	878	929	991	1132	1441	2088
<b>-15.0</b>	0	123	376	653	880	932	993	1116	1409	1935
<b>-17.0</b>	0	122	372	649	881	934	998	1110	1365	1844
<b>-19.5</b>	0	121	367	644	882	953	1007	1098	1316	1716
<b>-22.5</b>	0	120	361	635	877	977	1023	1089	1273	1583
<b>-25.5</b>	0	118	355	627	879	1000	1043	1102	1230	1447
<b>-29.0</b>	0	116	346	609	876	1018	1079	1128	1192	1327
<b>-33.0</b>	0	113	334	589	863	1039	1121	1175	1194	1252
<b>-37.5</b>	0	109	318	565	839	1055	1156	1214	1240	1254
<b>-42.5</b>	0	104	299	536	800	1048	1167	1229	1276	1306
<b>-47.5</b>	0	99	277	504	755	1006	1143	1236	1283	1323
<b>-55.0</b>	0	90	242	447	676	859	984	1103	1185	1258
<b>-65.0</b>	0	71	191	359	551	689	778	846	901	918
<b>-75.0</b>	0	43	139	252	380	459	509	553	582	578
<b>-85.0</b>	0	15	57	127	190	208	218	225	224	214
<b>-90.0</b>	0	0	0	0	0	0	1	1	1	1

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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	203	199	196	194	191	191	193	192	190	188
75.0	572	570	568	565	562	562	561	560	557	556
65.0	932	940	962	980	993	1005	1014	1022	1029	1036
55.0	1295	1331	1363	1377	1388	1399	1410	1420	1430	1439
47.5	1345	1354	1361	1362	1360	1358	1357	1359	1363	1368
42.5	1318	1317	1312	1307	1302	1299	1294	1290	1289	1286
37.5	1271	1290	1322	1345	1351	1362	1365	1362	1362	1357
33.0	1336	1433	1526	1605	1661	1696	1741	1775	1805	1826
29.0	1518	1715	1948	2147	2284	2480	2615	2701	2794	2909
25.5	1747	2116	2576	3040	3444	3829	4128	4431	4633	4796
22.5	2015	2614	3409	4228	5002	5629	6190	6878	7283	7563
19.5	2372	3250	4454	5705	6889	8261 *	9513 *	11258 *	12421 *	13217 *
17.0	2681	3862	5422	7214	8826 *	11466 *	13923 *	17071 *	19772 *	21561 *
15.0	2959	4328	6248	8371 *	11402 *	14704 *	19212 *	23166 *	28142 *	31790 *
13.0	3205	4748	7078	10385 *	14036 *	19519 *	25504 *	32228 *	38097 *	43651 *
11.0	3392	5073	7941	12115 *	17950 *	24846 *	33370 *	41717 *	49529 *	55689 *
9.0	3585	5517	9172 *	14747 *	21160 *	30738 *	40818 *	51156 *	59185 *	65972 *
7.0	3706	5784	9939 *	16796 *	25164 *	35479 *	47326 *	57750 *	67075 *	71914 *
5.0	3813	5971	10377 *	18051 *	28130 *	39698 *	51648 *	62378 *	69582 *	74905 *
3.0	3835	6041	11223 *	19575 *	29984 *	42340 *	54358 *	64457 *	71171 *	74587 *
1.0	3852	6093	11715 *	20484 *	30731 *	43193 *	55262 *	64837 *	70999 *	74205 *
0.0	3851	6092	11807 *	20654 *	30528 *	43183 *	55049 *	64424 *	70570 *	73712 *
-1.0	3852	6093	11715 *	20484 *	30731 *	43193 *	55262 *	64837 *	70999 *	74205 *
-3.0	3835	6041	11223 *	19575 *	29984 *	42340 *	54358 *	64457 *	71171 *	74587 *
-5.0	3813	5971	10377 *	18051 *	28130 *	39698 *	51648 *	62378 *	69582 *	74905 *
-7.0	3706	5784	9939 *	16796 *	25164 *	35479 *	47326 *	57750 *	67075 *	71914 *
-9.0	3585	5517	9172 *	14747 *	21160 *	30738 *	40818 *	51156 *	59185 *	65972 *
-11.0	3392	5073	7941	12115 *	17950 *	24846 *	33370 *	41717 *	49529 *	55689 *
-13.0	3205	4748	7078	10385 *	14036 *	19519 *	25504 *	32228 *	38097 *	43651 *
-15.0	2959	4328	6248	8371 *	11402 *	14704 *	19212 *	23166 *	28142 *	31790 *
-17.0	2681	3862	5422	7214	8826 *	11466 *	13923 *	17071 *	19772 *	21561 *
-19.5	2372	3250	4454	5705	6889	8261 *	9513 *	11258 *	12421 *	13217 *
-22.5	2015	2614	3409	4228	5002	5629	6190	6878	7283	7563
-25.5	1747	2116	2576	3040	3444	3829	4128	4431	4633	4796
-29.0	1518	1715	1948	2147	2284	2480	2615	2701	2794	2909
-33.0	1336	1433	1526	1605	1661	1696	1741	1775	1805	1826
-37.5	1271	1290	1322	1345	1351	1362	1365	1362	1362	1357
-42.5	1318	1317	1312	1307	1302	1299	1294	1290	1289	1286
-47.5	1345	1354	1361	1362	1360	1358	1357	1359	1363	1368
-55.0	1295	1331	1363	1377	1388	1399	1410	1420	1430	1439
-65.0	932	940	962	980	993	1005	1014	1022	1029	1036
-75.0	572	570	568	565	562	562	561	560	557	556
-85.0	203	199	196	194	191	191	193	192	190	188
-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	188	187	187	187	188	188	190	192	193	191
75.0	556	556	556	556	556	556	557	560	561	562
65.0	1040	1039	1039	1039	1040	1036	1029	1022	1014	1005

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**CANDELA TABULATION - (Cont.)**

55.0	1446	1448	1449	1448	1446	1439	1430	1420	1410	1399
47.5	1371	1372	1372	1372	1371	1368	1363	1359	1357	1358
42.5	1283	1283	1283	1283	1283	1286	1289	1290	1294	1299
37.5	1348	1348	1346	1348	1348	1357	1362	1362	1365	1362
33.0	1830	1838	1837	1838	1830	1826	1805	1775	1741	1696
29.0	2961	3023	3048	3023	2961	2909	2794	2701	2615	2480
25.5	4879	4952	4984	4952	4879	4796	4633	4431	4128	3829
22.5	7805	7981	8018	7981	7805	7563	7283	6878	6190	5629
19.5	14213 *	14901 *	15162 *	14901 *	14213 *	13217 *	12421 *	11258 *	9513 *	8261 *
17.0	23472 *	24745 *	25062 *	24745 *	23472 *	21561 *	19772 *	17071 *	13923 *	11466 *
15.0	34314 *	35705 *	35948 *	35705 *	34314 *	31790 *	28142 *	23166 *	19212 *	14704 *
13.0	47732 *	49731 *	49786 *	49731 *	47732 *	43651 *	38097 *	32228 *	25504 *	19519 *
11.0	60160 *	62423 *	62385 *	62423 *	60160 *	55689 *	49529 *	41717 *	33370 *	24846 *
9.0	70060 *	72090 *	72148 *	72090 *	70060 *	65972 *	59185 *	51156 *	40818 *	30738 *
7.0	76152 *	78057 *	78251 *	78057 *	76152 *	71914 *	67075 *	57750 *	47326 *	35479 *
5.0	77803 *	80263 *	80645 *	80263 *	77803 *	74905 *	69582 *	62378 *	51648 *	39698 *
3.0	77296 *	78764 *	79095 *	78764 *	77296 *	74587 *	71171 *	64457 *	54358 *	42340 *
1.0	76305 *	77568 *	77996 *	77568 *	76305 *	74205 *	70999 *	64837 *	55262 *	43193 *
0.0	75941 *	77112 *	77522 *	77112 *	75941 *	73712 *	70570 *	64424 *	55049 *	43183 *
-1.0	76305 *	77568 *	77996 *	77568 *	76305 *	74205 *	70999 *	64837 *	55262 *	43193 *
-3.0	77296 *	78764 *	79095 *	78764 *	77296 *	74587 *	71171 *	64457 *	54358 *	42340 *
-5.0	77803 *	80263 *	80645 *	80263 *	77803 *	74905 *	69582 *	62378 *	51648 *	39698 *
-7.0	76152 *	78057 *	78251 *	78057 *	76152 *	71914 *	67075 *	57750 *	47326 *	35479 *
-9.0	70060 *	72090 *	72148 *	72090 *	70060 *	65972 *	59185 *	51156 *	40818 *	30738 *
-11.0	60160 *	62423 *	62385 *	62423 *	60160 *	55689 *	49529 *	41717 *	33370 *	24846 *
-13.0	47732 *	49731 *	49786 *	49731 *	47732 *	43651 *	38097 *	32228 *	25504 *	19519 *
-15.0	34314 *	35705 *	35948 *	35705 *	34314 *	31790 *	28142 *	23166 *	19212 *	14704 *
-17.0	23472 *	24745 *	25062 *	24745 *	23472 *	21561 *	19772 *	17071 *	13923 *	11466 *
-19.5	14213 *	14901 *	15162 *	14901 *	14213 *	13217 *	12421 *	11258 *	9513 *	8261 *
-22.5	7805	7981	8018	7981	7805	7563	7283	6878	6190	5629
-25.5	4879	4952	4984	4952	4879	4796	4633	4431	4128	3829
-29.0	2961	3023	3048	3023	2961	2909	2794	2701	2615	2480
-33.0	1830	1838	1837	1838	1830	1826	1805	1775	1741	1696
-37.5	1348	1348	1346	1348	1348	1357	1362	1362	1365	1362
-42.5	1283	1283	1283	1283	1283	1286	1289	1290	1294	1299
-47.5	1371	1372	1372	1372	1371	1368	1363	1359	1357	1358
-55.0	1446	1448	1449	1448	1446	1439	1430	1420	1410	1399
-65.0	1040	1039	1039	1039	1040	1036	1029	1022	1014	1005
-75.0	556	556	556	556	556	556	557	560	561	562
-85.0	188	187	187	187	188	188	190	192	193	191
-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	1	1	1	1	0
85.0	191	194	196	199	203	214	224	225	218	208
75.0	562	565	568	570	572	578	582	553	509	459
65.0	993	980	962	940	932	918	901	846	778	689
55.0	1388	1377	1363	1331	1295	1258	1185	1103	984	859
47.5	1360	1362	1361	1354	1345	1323	1283	1236	1143	1006
42.5	1302	1307	1312	1317	1318	1306	1276	1229	1167	1048
37.5	1351	1345	1322	1290	1271	1254	1240	1214	1156	1055
33.0	1661	1605	1526	1433	1336	1252	1194	1175	1121	1039
29.0	2284	2147	1948	1715	1518	1327	1192	1128	1079	1018
25.5	3444	3040	2576	2116	1747	1447	1230	1102	1043	1000

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**CANDELA TABULATION - (Cont.)**

22.5	5002	4228	3409	2614	2015	1583	1273	1089	1023	977
19.5	6889	5705	4454	3250	2372	1716	1316	1098	1007	953
17.0	8826 *	7214	5422	3862	2681	1844	1365	1110	998	934
15.0	11402 *	8371 *	6248	4328	2959	1935	1409	1116	993	932
13.0	14036 *	10385 *	7078	4748	3205	2088	1441	1132	991	929
11.0	17950 *	12115 *	7941	5073	3392	2197	1483	1145	990	926
9.0	21160 *	14747 *	9172 *	5517	3585	2263	1527	1160	988	923
7.0	25164 *	16796 *	9939 *	5784	3706	2360	1567	1170	985	919
5.0	28130 *	18051 *	10377 *	5971	3813	2451	1592	1175	981	915
3.0	29984 *	19575 *	11223 *	6041	3835	2494	1607	1179	981	916
1.0	30731 *	20484 *	11715 *	6093	3852	2528	1625	1182	978	915
0.0	30528 *	20654 *	11807 *	6092	3851	2531	1629	1181	977	914
-1.0	30731 *	20484 *	11715 *	6093	3852	2528	1625	1182	978	915
-3.0	29984 *	19575 *	11223 *	6041	3835	2494	1607	1179	981	916
-5.0	28130 *	18051 *	10377 *	5971	3813	2451	1592	1175	981	915
-7.0	25164 *	16796 *	9939 *	5784	3706	2360	1567	1170	985	919
-9.0	21160 *	14747 *	9172 *	5517	3585	2263	1527	1160	988	923
-11.0	17950 *	12115 *	7941	5073	3392	2197	1483	1145	990	926
-13.0	14036 *	10385 *	7078	4748	3205	2088	1441	1132	991	929
-15.0	11402 *	8371 *	6248	4328	2959	1935	1409	1116	993	932
-17.0	8826 *	7214	5422	3862	2681	1844	1365	1110	998	934
-19.5	6889	5705	4454	3250	2372	1716	1316	1098	1007	953
-22.5	5002	4228	3409	2614	2015	1583	1273	1089	1023	977
-25.5	3444	3040	2576	2116	1747	1447	1230	1102	1043	1000
-29.0	2284	2147	1948	1715	1518	1327	1192	1128	1079	1018
-33.0	1661	1605	1526	1433	1336	1252	1194	1175	1121	1039
-37.5	1351	1345	1322	1290	1271	1254	1240	1214	1156	1055
-42.5	1302	1307	1312	1317	1318	1306	1276	1229	1167	1048
-47.5	1360	1362	1361	1354	1345	1323	1283	1236	1143	1006
-55.0	1388	1377	1363	1331	1295	1258	1185	1103	984	859
-65.0	993	980	962	940	932	918	901	846	778	689
-75.0	562	565	568	570	572	578	582	553	509	459
-85.0	191	194	196	199	203	214	224	225	218	208
-90.0	0	0	0	0	0	1	1	1	1	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	190	127	57	15	0
75.0	380	252	139	43	0
65.0	551	359	191	71	0
55.0	676	447	242	90	0
47.5	755	504	277	99	0
42.5	800	536	299	104	0
37.5	839	565	318	109	0
33.0	863	589	334	113	0
29.0	876	609	346	116	0
25.5	879	627	355	118	0
22.5	877	635	361	120	0
19.5	882	644	367	121	0
17.0	881	649	372	122	0
15.0	880	653	376	123	0
13.0	878	656	379	123	0
11.0	876	657	382	125	0
9.0	873	660	385	125	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	870	663	387	125	0
<b>5.0</b>	870	664	390	125	0
<b>3.0</b>	870	666	389	124	0
<b>1.0</b>	869	665	389	124	0
<b>0.0</b>	868	664	389	124	0
<b>-1.0</b>	869	665	389	124	0
<b>-3.0</b>	870	666	389	124	0
<b>-5.0</b>	870	664	390	125	0
<b>-7.0</b>	870	663	387	125	0
<b>-9.0</b>	873	660	385	125	0
<b>-11.0</b>	876	657	382	125	0
<b>-13.0</b>	878	656	379	123	0
<b>-15.0</b>	880	653	376	123	0
<b>-17.0</b>	881	649	372	122	0
<b>-19.5</b>	882	644	367	121	0
<b>-22.5</b>	877	635	361	120	0
<b>-25.5</b>	879	627	355	118	0
<b>-29.0</b>	876	609	346	116	0
<b>-33.0</b>	863	589	334	113	0
<b>-37.5</b>	839	565	318	109	0
<b>-42.5</b>	800	536	299	104	0
<b>-47.5</b>	755	504	277	99	0
<b>-55.0</b>	676	447	242	90	0
<b>-65.0</b>	551	359	191	71	0
<b>-75.0</b>	380	252	139	43	0
<b>-85.0</b>	190	127	57	15	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12032.39

Total Field Lumens (one side of beam only) = 8791.97

\* 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	0.14	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.35
75	1.13	2.26	2.26	2.26	2.26	2.26	2.25	2.23	2.21	2.75
65	2.43	4.86	4.84	4.81	4.78	4.74	4.68	4.61	4.54	5.56
55	3.79	7.57	7.54	7.47	7.39	7.30	7.19	7.07	6.94	8.46
47.5	3.22	6.43	6.41	6.36	6.30	6.24	6.17	6.10	6.02	7.41
42.5	2.02	4.04	4.03	4.02	4.00	3.97	3.95	3.93	3.90	4.83
37.5	2.00	4.00	4.01	4.01	4.00	3.98	3.96	3.93	3.88	4.78
33	2.18	4.36	4.35	4.33	4.28	4.21	4.13	4.04	3.93	4.72
29	2.97	5.88	5.79	5.66	5.47	5.30	5.08	4.80	4.51	5.23
25.5	4.27	8.43	8.27	8.02	7.69	7.28	6.81	6.23	5.59	6.14
22.5	5.92	11.70	11.41	11.03	10.51	9.73	8.84	7.94	6.90	7.19
19.5	10.52 *	20.50 *	19.51 *	18.40 *	17.12 *	15.23 *	13.23	11.43	9.59	9.65
17	15.21 *	29.43 *	27.52 *	25.36 *	22.82 *	19.41 *	16.08 *	13.09 *	10.48	10.30
15	18.50 *	35.99 *	33.77 *	30.68 *	26.59 *	22.01 *	17.67 *	13.71 *	10.49 *	9.86
13	26.07 *	50.98 *	47.85 *	42.92 *	36.69 *	30.03 *	23.52 *	17.63 *	12.94 *	11.60
11	34.16 *	66.99 *	62.97 *	56.64 *	48.74 *	39.84 *	30.76 *	22.57 *	15.95 *	13.57 *
9	40.98 *	80.59 *	76.54 *	69.79 *	60.81 *	50.11 *	38.67 *	27.99 *	19.32 *	15.90 *
7	45.77 *	90.22 *	86.33 *	80.02 *	70.93 *	59.11 *	45.99 *	33.26 *	22.80 *	18.32 *
5	48.31 *	95.06 *	91.39 *	85.87 *	77.46 *	65.72 *	51.89 *	37.97 *	25.81 *	19.95 *
3	48.55 *	95.63 *	92.55 *	87.92 *	80.71 *	69.85 *	56.03 *	41.42 *	28.03 *	21.42 *
1	47.73 *	94.35 *	91.89 *	88.14 *	81.88 *	71.67 *	58.14 *	43.22 *	29.51 *	22.78 *
0	23.62 *	46.72 *	45.60 *	43.85 *	40.85 *	35.93 *	29.30 *	21.82 *	14.99 *	11.69 *
-1	23.62 *	46.72 *	45.60 *	43.85 *	40.85 *	35.93 *	29.30 *	21.82 *	14.99 *	11.69 *
	47.73 *	94.35 *	91.89 *	88.14 *	81.88 *	71.67 *	58.14 *	43.22 *	29.51 *	22.78 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	48.55 *	95.63 *	92.55 *	87.92 *	80.71 *	69.85 *	56.03 *	41.42 *	28.03 *	21.42 *
<b>-5</b>	48.31 *	95.06 *	91.39 *	85.87 *	77.46 *	65.72 *	51.89 *	37.97 *	25.81 *	19.95 *
<b>-7</b>	45.77 *	90.22 *	86.33 *	80.02 *	70.93 *	59.11 *	45.99 *	33.26 *	22.80 *	18.32 *
<b>-9</b>	40.98 *	80.59 *	76.54 *	69.79 *	60.81 *	50.11 *	38.67 *	27.99 *	19.32 *	15.90 *
<b>-11</b>	34.16 *	66.99 *	62.97 *	56.64 *	48.74 *	39.84 *	30.76 *	22.57 *	15.95 *	13.57 *
<b>-13</b>	26.07 *	50.98 *	47.85 *	42.92 *	36.69 *	30.03 *	23.52 *	17.63 *	12.94 *	11.60
<b>-15</b>	18.50 *	35.99 *	33.77 *	30.68 *	26.59 *	22.01 *	17.67 *	13.71 *	10.49 *	9.86
<b>-17</b>	15.21 *	29.43 *	27.52 *	25.36 *	22.82 *	19.41 *	16.08 *	13.09 *	10.48	10.30
<b>-19.5</b>	10.52 *	20.50 *	19.51 *	18.40 *	17.12 *	15.23 *	13.23	11.43	9.59	9.65
<b>-22.5</b>	5.92	11.70	11.41	11.03	10.51	9.73	8.84	7.94	6.90	7.19
<b>-25.5</b>	4.27	8.43	8.27	8.02	7.69	7.28	6.81	6.23	5.59	6.14
<b>-29</b>	2.97	5.88	5.79	5.66	5.47	5.30	5.08	4.80	4.51	5.23
<b>-33</b>	2.18	4.36	4.35	4.33	4.28	4.21	4.13	4.04	3.93	4.72
<b>-37.5</b>	2.00	4.00	4.01	4.01	4.00	3.98	3.96	3.93	3.88	4.78
<b>-42.5</b>	2.02	4.04	4.03	4.02	4.00	3.97	3.95	3.93	3.90	4.83
<b>-47.5</b>	3.22	6.43	6.41	6.36	6.30	6.24	6.17	6.10	6.02	7.41
<b>-55</b>	3.79	7.57	7.54	7.47	7.39	7.30	7.19	7.07	6.94	8.46
<b>-65</b>	2.43	4.86	4.84	4.81	4.78	4.74	4.68	4.61	4.54	5.56
<b>-75</b>	1.13	2.26	2.26	2.26	2.26	2.26	2.25	2.23	2.21	2.75
<b>-85</b>	0.14	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.35
<b>-90</b>										
<b>Total</b>	779.02	1532.52	1470.23	1375.68	1243.12	1068.44	869.24	670.54	497.22	444.89

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.42	0.42	0.50	0.57	0.63	0.65	0.57	0.71	0.60	0.24
<b>85</b>	3.27	3.22	3.71	4.17	4.43	4.39	3.75	4.42	3.61	1.50
<b>75</b>	6.48	6.29	7.11	7.78	8.06	7.83	6.55	7.43	5.86	2.45
<b>65</b>	9.80	9.39	10.43	11.13	11.29	10.82	8.91	9.91	7.73	3.22
<b>55</b>	8.65	8.33	9.28	9.89	10.09	9.77	8.06	8.83	6.79	2.87

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	5.70	5.57	6.27	6.77	7.03	6.96	5.87	6.45	4.93	2.10
<b>42.5</b>	5.59	5.42	6.10	6.63	6.94	6.95	5.96	6.68	5.21	2.23
<b>37.5</b>	5.35	5.01	5.45	5.80	6.07	6.12	5.29	6.10	4.89	2.11
<b>33</b>	5.65	5.01	5.15	5.18	5.25	5.25	4.58	5.42	4.47	1.95
<b>29</b>	6.24	5.18	5.01	4.75	4.56	4.44	3.90	4.72	3.98	1.76
<b>25.5</b>	6.86	5.32	4.83	4.33	3.94	3.72	3.26	4.00	3.44	1.54
<b>22.5</b>	8.78	6.42	5.46	4.61	4.01	3.69	3.20	3.95	3.47	1.57
<b>19.5</b>	9.06	6.35	5.10	4.07	3.42	3.07	2.62	3.26	2.91	1.32
<b>17</b>	8.47	5.77	4.46	3.42	2.80	2.46	2.08	2.59	2.33	1.07
<b>15</b>	9.56	6.36	4.83	3.59	2.85	2.47	2.07	2.59	2.33	1.07
<b>13</b>	10.59	6.85	5.16	3.76	2.91	2.48	2.07	2.58	2.33	1.08
<b>11</b>	11.82	7.33	5.42	3.90	2.97	2.50	2.06	2.57	2.33	1.08
<b>9</b>	12.97	7.76	5.65	4.03	3.04	2.51	2.05	2.56	2.33	1.09
<b>7</b>	13.68	8.04	5.84	4.16	3.08	2.51	2.05	2.55	2.33	1.09
<b>5</b>	14.34 *	8.21	5.97	4.25	3.11	2.52	2.04	2.55	2.33	1.10
<b>3</b>	14.96 *	8.27	6.02	4.31	3.13	2.52	2.04	2.55	2.33	1.10
<b>1</b>	7.62 *	4.15	3.02	2.17	1.57	1.26	1.02	1.27	1.17	0.55
<b>0</b>	7.62 *	4.15	3.02	2.17	1.57	1.26	1.02	1.27	1.17	0.55
<b>-1</b>	14.96 *	8.27	6.02	4.31	3.13	2.52	2.04	2.55	2.33	1.10
<b>-3</b>	14.34 *	8.21	5.97	4.25	3.11	2.52	2.04	2.55	2.33	1.10
<b>-5</b>	13.68	8.04	5.84	4.16	3.08	2.51	2.05	2.55	2.33	1.09
<b>-7</b>	12.97	7.76	5.65	4.03	3.04	2.51	2.05	2.56	2.33	1.09
<b>-9</b>	11.82	7.33	5.42	3.90	2.97	2.50	2.06	2.57	2.33	1.08
<b>-11</b>	10.59	6.85	5.16	3.76	2.91	2.48	2.07	2.58	2.33	1.08
<b>-13</b>	9.56	6.36	4.83	3.59	2.85	2.47	2.07	2.59	2.33	1.07
<b>-15</b>	8.47	5.77	4.46	3.42	2.80	2.46	2.08	2.59	2.33	1.07
<b>-17</b>	9.06	6.35	5.10	4.07	3.42	3.07	2.62	3.26	2.91	1.32
<b>-19.5</b>	8.78	6.42	5.46	4.61	4.01	3.69	3.20	3.95	3.47	1.57

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	6.86	5.32	4.83	4.33	3.94	3.72	3.26	4.00	3.44	1.54
<b>-25.5</b>	6.24	5.18	5.01	4.75	4.56	4.44	3.90	4.72	3.98	1.76
<b>-29</b>	5.65	5.01	5.15	5.18	5.25	5.25	4.58	5.42	4.47	1.95
<b>-33</b>	5.35	5.01	5.45	5.80	6.07	6.12	5.29	6.10	4.89	2.11
<b>-37.5</b>	5.59	5.42	6.10	6.63	6.94	6.95	5.96	6.68	5.21	2.23
<b>-42.5</b>	5.70	5.57	6.27	6.77	7.03	6.96	5.87	6.45	4.93	2.10
<b>-47.5</b>	8.65	8.33	9.28	9.89	10.09	9.77	8.06	8.83	6.79	2.87
<b>-55</b>	9.80	9.39	10.43	11.13	11.29	10.82	8.91	9.91	7.73	3.22
<b>-65</b>	6.48	6.29	7.11	7.78	8.06	7.83	6.55	7.43	5.86	2.45
<b>-75</b>	3.27	3.22	3.71	4.17	4.43	4.39	3.75	4.42	3.61	1.50
<b>-85</b>	0.42	0.42	0.50	0.57	0.63	0.65	0.57	0.71	0.60	0.24
<b>-90</b>										
<b>Total</b>	371.68	269.34	241.52	218.56	202.34	189.79	160.02	187.42	155.45	68.21

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.05	0.00		8.15
<b>85</b>				
	0.34	0.01		58.69
<b>75</b>				
	0.59	0.02		112.30
<b>65</b>				
	0.78	0.03		164.17
<b>55</b>				
	0.70	0.02		143.95
<b>47.5</b>				
	0.51	0.02		96.88
<b>42.5</b>				
	0.55	0.02		96.83
<b>37.5</b>				
	0.52	0.02		93.26
<b>33</b>				
	0.48	0.02		99.10
<b>29</b>				
	0.43	0.01		113.70
<b>25.5</b>				
	0.38	0.01		132.81
<b>22.5</b>				
	0.38	0.01		190.72
<b>19.5</b>				
	0.32	0.01		231.21
<b>17</b>				
	0.26	0.01		254.98

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**LUMENS TABULATION - (Cont.)**

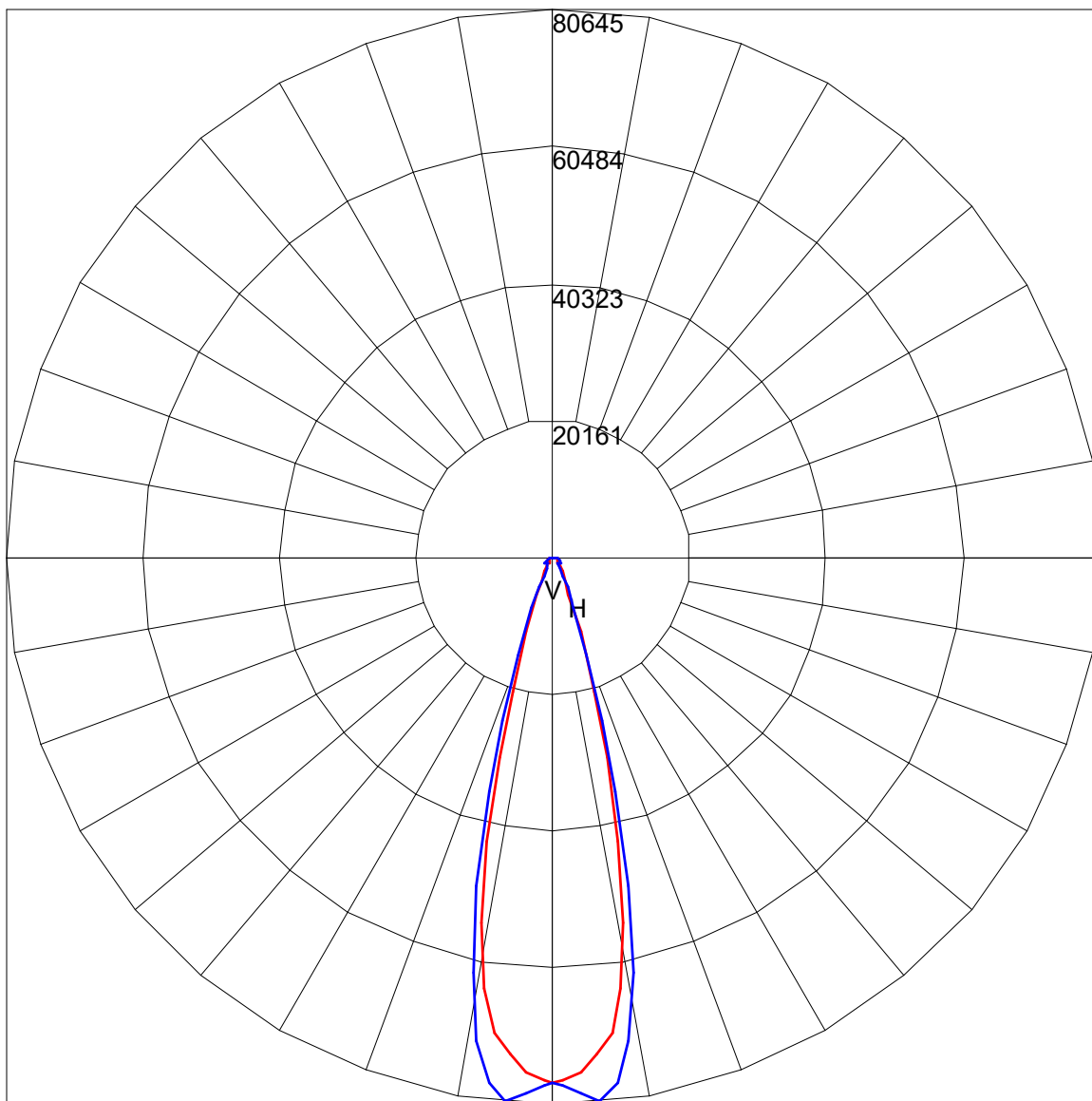
<b>15</b>	0.26	0.01	338.23
<b>13</b>	0.27	0.01	432.27
<b>11</b>	0.27	0.01	522.94
<b>9</b>	0.27	0.01	597.01
<b>7</b>	0.27	0.01	645.06
<b>5</b>	0.27	0.01	668.80
<b>3</b>	0.27	0.01	676.83
<b>1</b>	0.14	0.00	338.30
<b>0</b>	0.14	0.00	338.30
<b>-1</b>	0.27	0.01	676.83
<b>-3</b>	0.27	0.01	668.80
<b>-5</b>	0.27	0.01	645.06
<b>-7</b>	0.27	0.01	597.01
<b>-9</b>	0.27	0.01	522.94
<b>-11</b>	0.27	0.01	432.27
<b>-13</b>	0.26	0.01	338.23
<b>-15</b>	0.26	0.01	254.98
<b>-17</b>	0.32	0.01	231.21
<b>-19.5</b>	0.38	0.01	190.72
<b>-22.5</b>	0.38	0.01	132.81
<b>-25.5</b>	0.43	0.01	113.70
<b>-29</b>	0.48	0.02	99.10
<b>-33</b>	0.52	0.02	93.26
<b>-37.5</b>	0.55	0.02	96.83
<b>-42.5</b>	0.51	0.02	96.88
<b>-47.5</b>	0.70	0.02	143.95
<b>-55</b>	0.78	0.03	164.17
<b>-65</b>	0.59	0.02	112.30

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-50-80.IES**

**LUMENS TABULATION - (Cont.)**

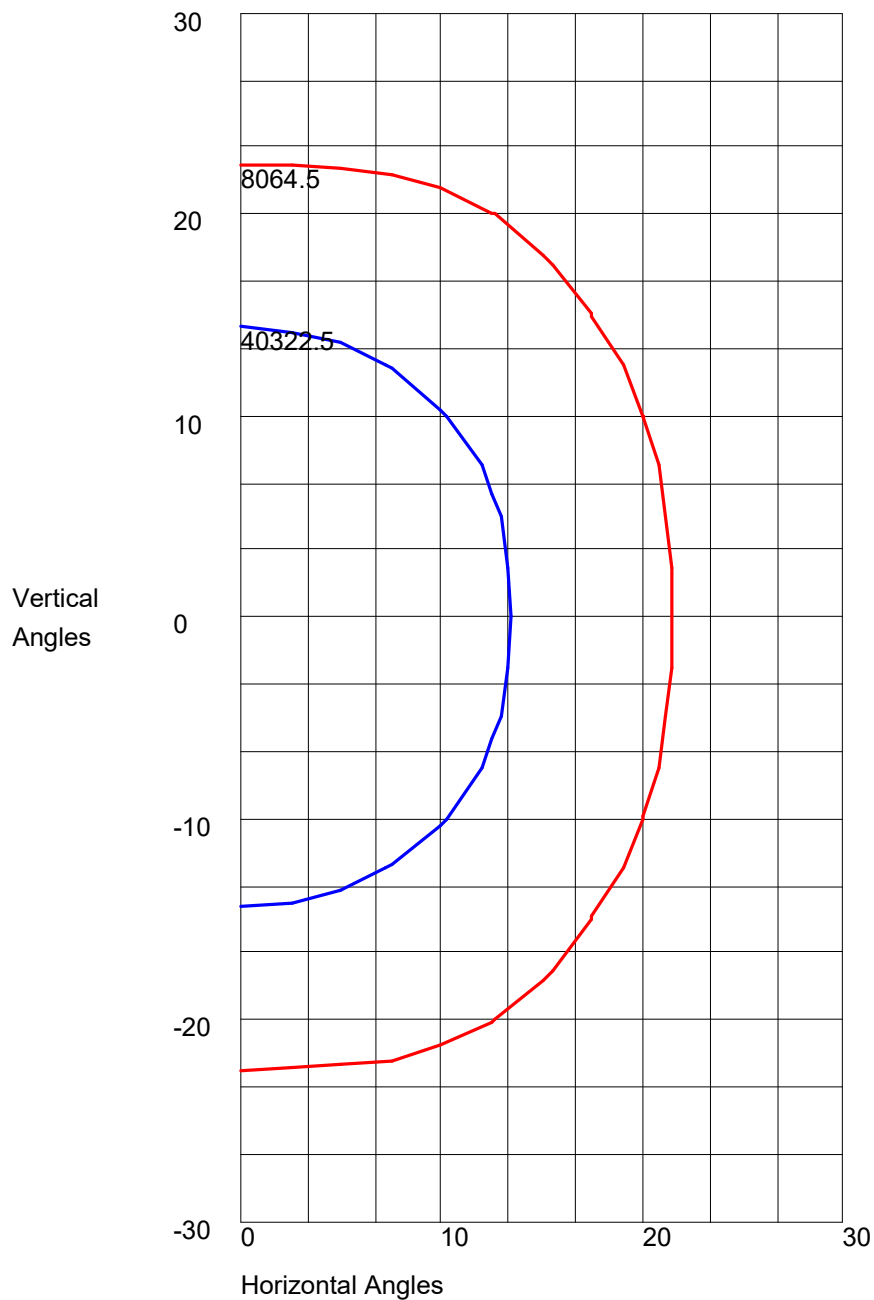
<b>-75</b>	0.34	0.01	58.69
<b>-85</b>	0.05	0.00	8.15
<b>-90</b>			
<b>Total</b>	16.63	0.53	12032.39

AXIAL CANDELA DISPLAY



Maximum Candela = 80645 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 80645 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 40322.5  
10% Maximum Candela = 8064.5