



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12451
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 01/20/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-12L-PC-NF-40-80
[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 4 V
Maximum Candela	53152
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.3
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	45.5
Vertical Field Angle (10%)	46.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4558
Beam Efficiency	N.A.
Field Lumens	9359
Field Efficiency	N.A.
Spill Lumens	3429
Luminaire Lumens	12789
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	61	85	77
75	179	75	217
65	299	65	328
55	436	55	486
47.5	580	47.5	587
42.5	665	42.5	724
37.5	867	37.5	814
33	1327	33	1418
29	2228	29	2374
25.5	3576	25.5	3818
22.5	5482	22.5	5862
19.5	8460	19.5	9049
17	12121	17	12614
15	15815	15	16242
13	20890	13	21249
11	27028	11	27138
9	33904	9	33638
7	41094	7	40472
5	48074	5	47360
3	52183	3	51635
1	53152	1	52949
0	53113	0	53113
-1	53152	-1	52949
-3	52183	-3	51635
-5	48074	-5	47360
-7	41094	-7	40472
-9	33904	-9	33638
-11	27028	-11	27138
-13	20890	-13	21249
-15	15815	-15	16242
-17	12121	-17	12614
-19.5	8460	-19.5	9049
-22.5	5482	-22.5	5862
-25.5	3576	-25.5	3818
-29	2228	-29	2374
-33	1327	-33	1418
-37.5	867	-37.5	814
-42.5	665	-42.5	724
-47.5	580	-47.5	587
-55	436	-55	486
-65	299	-65	328
-75	179	-75	217
-85	61	-85	77
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 53152

Beam Edge = 26576 Cd (50% of Max.)

Field Edge = 5315.2 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	6	19	36	50	59	64	67	71	75
75.0	0	17	53	101	135	155	167	179	188	193
65.0	0	28	80	143	193	230	256	274	287	295
55.0	0	37	103	167	237	289	316	344	368	388
47.5	0	42	117	190	273	335	376	421	456	490
42.5	0	46	126	206	299	372	426	476	526	568
37.5	0	49	135	223	325	413	473	538	602	646
33.0	0	51	142	238	349	445	515	590	659	720
29.0	0	53	149	251	369	473	555	633	715	801
25.5	0	55	155	263	384	496	583	670	770	920
22.5	0	56	159	270	395	517	604	699	836	1078
19.5	0	57	163	277	406	535	622	731	910	1241
17.0	0	58	166	282	413	547	634	750	983	1409
15.0	0	59	169	286	418	555	643	760	1038	1538
13.0	0	59	171	290	423	561	651	784	1084	1676
11.0	0	61	173	292	427	566	657	808	1147	1804
9.0	0	61	174	295	431	570	660	828	1210	1920
7.0	0	61	176	296	433	573	661	841	1259	2030
5.0	0	61	178	298	435	575	661	848	1289	2123
3.0	0	61	178	299	437	579	664	855	1306	2177
1.0	0	61	179	299	436	580	665	865	1323	2219
0.0	0	61	179	299	436	580	665	867	1327	2228
-1.0	0	61	179	299	436	580	665	865	1323	2219
-3.0	0	61	178	299	437	579	664	855	1306	2177
-5.0	0	61	178	298	435	575	661	848	1289	2123
-7.0	0	61	176	296	433	573	661	841	1259	2030
-9.0	0	61	174	295	431	570	660	828	1210	1920
-11.0	0	61	173	292	427	566	657	808	1147	1804
-13.0	0	59	171	290	423	561	651	784	1084	1676
-15.0	0	59	169	286	418	555	643	760	1038	1538
-17.0	0	58	166	282	413	547	634	750	983	1409
-19.5	0	57	163	277	406	535	622	731	910	1241
-22.5	0	56	159	270	395	517	604	699	836	1078
-25.5	0	55	155	263	384	496	583	670	770	920
-29.0	0	53	149	251	369	473	555	633	715	801
-33.0	0	51	142	238	349	445	515	590	659	720
-37.5	0	49	135	223	325	413	473	538	602	646
-42.5	0	46	126	206	299	372	426	476	526	568
-47.5	0	42	117	190	273	335	376	421	456	490
-55.0	0	37	103	167	237	289	316	344	368	388
-65.0	0	28	80	143	193	230	256	274	287	295
-75.0	0	17	53	101	135	155	167	179	188	193
-85.0	0	6	19	36	50	59	64	67	71	75
-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	79	80	79	78	78	77	78	77	76	75
75.0	196	198	198	199	199	201	204	207	209	212
65.0	304	310	313	316	318	320	323	325	326	327
55.0	408	422	435	446	455	463	469	474	479	483
47.5	515	535	553	565	572	579	584	588	589	589
42.5	592	616	638	653	663	673	684	693	701	709
37.5	674	698	724	739	748	775	790	796	807	811
33.0	778	849	926	1007	1074	1131	1200	1267	1321	1359
29.0	915	1063	1235	1402	1544	1716	1860	1986	2115	2226
25.5	1122	1381	1694	1989	2279	2566	2812	3123	3387	3590
22.5	1398	1781	2276	2774	3242	3724	4179	4719	5168	5518 *
19.5	1719	2260	3012	3795	4522	5342 *	6111 *	6959 *	7687 *	8275 *
17.0	1975	2723	3733	4856	5835 *	7019 *	8095 *	9368 *	10457 *	11380 *
15.0	2231	3145	4383	5742 *	7151 *	8556 *	10247 *	11721 *	13326 *	14763 *
13.0	2494	3591	5117	6864 *	8485 *	10497 *	12621 *	14874 *	16841 *	18904 *
11.0	2730	4013	5833 *	7907 *	10047 *	12490 *	15329 *	18358 *	21187 *	23726 *
9.0	3003	4480	6639 *	9110 *	11476 *	14653 *	18252 *	22124 *	26031 *	29368 *
7.0	3229	4857	7301 *	10199 *	13163 *	16696 *	21064 *	25996 *	30799 *	35238 *
5.0	3396	5164	7806 *	11090 *	14496 *	18729 *	23723 *	29543 *	35571 *	40702 *
3.0	3500	5386 *	8248 *	11787 *	15421 *	20194 *	25983 *	32481 *	39224 *	45235 *
1.0	3563	5498 *	8463 *	12146 *	15944 *	20976 *	27218 *	34133 *	41241 *	48185 *
0.0	3576	5482 *	8460 *	12121 *	15815 *	20890 *	27028 *	33904 *	41094 *	48074 *
-1.0	3563	5498 *	8463 *	12146 *	15944 *	20976 *	27218 *	34133 *	41241 *	48185 *
-3.0	3500	5386 *	8248 *	11787 *	15421 *	20194 *	25983 *	32481 *	39224 *	45235 *
-5.0	3396	5164	7806 *	11090 *	14496 *	18729 *	23723 *	29543 *	35571 *	40702 *
-7.0	3229	4857	7301 *	10199 *	13163 *	16696 *	21064 *	25996 *	30799 *	35238 *
-9.0	3003	4480	6639 *	9110 *	11476 *	14653 *	18252 *	22124 *	26031 *	29368 *
-11.0	2730	4013	5833 *	7907 *	10047 *	12490 *	15329 *	18358 *	21187 *	23726 *
-13.0	2494	3591	5117	6864 *	8485 *	10497 *	12621 *	14874 *	16841 *	18904 *
-15.0	2231	3145	4383	5742 *	7151 *	8556 *	10247 *	11721 *	13326 *	14763 *
-17.0	1975	2723	3733	4856	5835 *	7019 *	8095 *	9368 *	10457 *	11380 *
-19.5	1719	2260	3012	3795	4522	5342 *	6111 *	6959 *	7687 *	8275 *
-22.5	1398	1781	2276	2774	3242	3724	4179	4719	5168	5518 *
-25.5	1122	1381	1694	1989	2279	2566	2812	3123	3387	3590
-29.0	915	1063	1235	1402	1544	1716	1860	1986	2115	2226
-33.0	778	849	926	1007	1074	1131	1200	1267	1321	1359
-37.5	674	698	724	739	748	775	790	796	807	811
-42.5	592	616	638	653	663	673	684	693	701	709
-47.5	515	535	553	565	572	579	584	588	589	589
-55.0	408	422	435	446	455	463	469	474	479	483
-65.0	304	310	313	316	318	320	323	325	326	327
-75.0	196	198	198	199	199	201	204	207	209	212
-85.0	79	80	79	78	78	77	78	77	76	75
-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	76	77	77	77	76	75	76	77	78	77
75.0	214	216	217	216	214	212	209	207	204	201
65.0	328	328	328	328	328	327	326	325	323	320

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CANDELA TABULATION - (Cont.)

55.0	487	486	486	486	487	483	479	474	469	463
47.5	589	588	587	588	589	589	589	588	584	579
42.5	719	722	724	722	719	709	701	693	684	673
37.5	810	814	814	814	810	811	807	796	790	775
33.0	1383	1410	1418	1410	1383	1359	1321	1267	1200	1131
29.0	2301	2358	2374	2358	2301	2226	2115	1986	1860	1716
25.5	3724	3801	3818	3801	3724	3590	3387	3123	2812	2566
22.5	5751 *	5873 *	5862 *	5873 *	5751 *	5518 *	5168	4719	4179	3724
19.5	8796 *	9063 *	9049 *	9063 *	8796 *	8275 *	7687 *	6959 *	6111 *	5342 *
17.0	12208 *	12670 *	12614 *	12670 *	12208 *	11380 *	10457 *	9368 *	8095 *	7019 *
15.0	15817 *	16414 *	16242 *	16414 *	15817 *	14763 *	13326 *	11721 *	10247 *	8556 *
13.0	20494 *	21369 *	21249 *	21369 *	20494 *	18904 *	16841 *	14874 *	12621 *	10497 *
11.0	25935 *	27265 *	27138 *	27265 *	25935 *	23726 *	21187 *	18358 *	15329 *	12490 *
9.0	31996 *	33703 *	33638 *	33703 *	31996 *	29368 *	26031 *	22124 *	18252 *	14653 *
7.0	38403 *	40382 *	40472 *	40382 *	38403 *	35238 *	30799 *	25996 *	21064 *	16696 *
5.0	44586 *	47222 *	47360 *	47222 *	44586 *	40702 *	35571 *	29543 *	23723 *	18729 *
3.0	49219 *	51206 *	51635 *	51206 *	49219 *	45235 *	39224 *	32481 *	25983 *	20194 *
1.0	52000 *	53000 *	52949 *	53000 *	52000 *	48185 *	41241 *	34133 *	27218 *	20976 *
0.0	52183 *	53152 *	53113 *	53152 *	52183 *	48074 *	41094 *	33904 *	27028 *	20890 *
-1.0	52000 *	53000 *	52949 *	53000 *	52000 *	48185 *	41241 *	34133 *	27218 *	20976 *
-3.0	49219 *	51206 *	51635 *	51206 *	49219 *	45235 *	39224 *	32481 *	25983 *	20194 *
-5.0	44586 *	47222 *	47360 *	47222 *	44586 *	40702 *	35571 *	29543 *	23723 *	18729 *
-7.0	38403 *	40382 *	40472 *	40382 *	38403 *	35238 *	30799 *	25996 *	21064 *	16696 *
-9.0	31996 *	33703 *	33638 *	33703 *	31996 *	29368 *	26031 *	22124 *	18252 *	14653 *
-11.0	25935 *	27265 *	27138 *	27265 *	25935 *	23726 *	21187 *	18358 *	15329 *	12490 *
-13.0	20494 *	21369 *	21249 *	21369 *	20494 *	18904 *	16841 *	14874 *	12621 *	10497 *
-15.0	15817 *	16414 *	16242 *	16414 *	15817 *	14763 *	13326 *	11721 *	10247 *	8556 *
-17.0	12208 *	12670 *	12614 *	12670 *	12208 *	11380 *	10457 *	9368 *	8095 *	7019 *
-19.5	8796 *	9063 *	9049 *	9063 *	8796 *	8275 *	7687 *	6959 *	6111 *	5342 *
-22.5	5751 *	5873 *	5862 *	5873 *	5751 *	5518 *	5168	4719	4179	3724
-25.5	3724	3801	3818	3801	3724	3590	3387	3123	2812	2566
-29.0	2301	2358	2374	2358	2301	2226	2115	1986	1860	1716
-33.0	1383	1410	1418	1410	1383	1359	1321	1267	1200	1131
-37.5	810	814	814	814	810	811	807	796	790	775
-42.5	719	722	724	722	719	709	701	693	684	673
-47.5	589	588	587	588	589	589	589	588	584	579
-55.0	487	486	486	486	487	483	479	474	469	463
-65.0	328	328	328	328	328	327	326	325	323	320
-75.0	214	216	217	216	214	212	209	207	204	201
-85.0	76	77	77	77	76	75	76	77	78	77
-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	78	78	79	80	79	75	71	67	64	59
75.0	199	199	198	198	196	193	188	179	167	155
65.0	318	316	313	310	304	295	287	274	256	230
55.0	455	446	435	422	408	388	368	344	316	289
47.5	572	565	553	535	515	490	456	421	376	335
42.5	663	653	638	616	592	568	526	476	426	372
37.5	748	739	724	698	674	646	602	538	473	413
33.0	1074	1007	926	849	778	720	659	590	515	445
29.0	1544	1402	1235	1063	915	801	715	633	555	473
25.5	2279	1989	1694	1381	1122	920	770	670	583	496

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CANDELA TABULATION - (Cont.)

22.5	3242	2774	2276	1781	1398	1078	836	699	604	517
19.5	4522	3795	3012	2260	1719	1241	910	731	622	535
17.0	5835 *	4856	3733	2723	1975	1409	983	750	634	547
15.0	7151 *	5742 *	4383	3145	2231	1538	1038	760	643	555
13.0	8485 *	6864 *	5117	3591	2494	1676	1084	784	651	561
11.0	10047 *	7907 *	5833 *	4013	2730	1804	1147	808	657	566
9.0	11476 *	9110 *	6639 *	4480	3003	1920	1210	828	660	570
7.0	13163 *	10199 *	7301 *	4857	3229	2030	1259	841	661	573
5.0	14496 *	11090 *	7806 *	5164	3396	2123	1289	848	661	575
3.0	15421 *	11787 *	8248 *	5386 *	3500	2177	1306	855	664	579
1.0	15944 *	12146 *	8463 *	5498 *	3563	2219	1323	865	665	580
0.0	15815 *	12121 *	8460 *	5482 *	3576	2228	1327	867	665	580
-1.0	15944 *	12146 *	8463 *	5498 *	3563	2219	1323	865	665	580
-3.0	15421 *	11787 *	8248 *	5386 *	3500	2177	1306	855	664	579
-5.0	14496 *	11090 *	7806 *	5164	3396	2123	1289	848	661	575
-7.0	13163 *	10199 *	7301 *	4857	3229	2030	1259	841	661	573
-9.0	11476 *	9110 *	6639 *	4480	3003	1920	1210	828	660	570
-11.0	10047 *	7907 *	5833 *	4013	2730	1804	1147	808	657	566
-13.0	8485 *	6864 *	5117	3591	2494	1676	1084	784	651	561
-15.0	7151 *	5742 *	4383	3145	2231	1538	1038	760	643	555
-17.0	5835 *	4856	3733	2723	1975	1409	983	750	634	547
-19.5	4522	3795	3012	2260	1719	1241	910	731	622	535
-22.5	3242	2774	2276	1781	1398	1078	836	699	604	517
-25.5	2279	1989	1694	1381	1122	920	770	670	583	496
-29.0	1544	1402	1235	1063	915	801	715	633	555	473
-33.0	1074	1007	926	849	778	720	659	590	515	445
-37.5	748	739	724	698	674	646	602	538	473	413
-42.5	663	653	638	616	592	568	526	476	426	372
-47.5	572	565	553	535	515	490	456	421	376	335
-55.0	455	446	435	422	408	388	368	344	316	289
-65.0	318	316	313	310	304	295	287	274	256	230
-75.0	199	199	198	198	196	193	188	179	167	155
-85.0	78	78	79	80	79	75	71	67	64	59
-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	50	36	19	6	0
75.0	135	101	53	17	0
65.0	193	143	80	28	0
55.0	237	167	103	37	0
47.5	273	190	117	42	0
42.5	299	206	126	46	0
37.5	325	223	135	49	0
33.0	349	238	142	51	0
29.0	369	251	149	53	0
25.5	384	263	155	55	0
22.5	395	270	159	56	0
19.5	406	277	163	57	0
17.0	413	282	166	58	0
15.0	418	286	169	59	0
13.0	423	290	171	59	0
11.0	427	292	173	61	0
9.0	431	295	174	61	0

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CANDELA TABULATION - (Cont.)

7.0	433	296	176	61	0
5.0	435	298	178	61	0
3.0	437	299	178	61	0
1.0	436	299	179	61	0
0.0	436	299	179	61	0
-1.0	436	299	179	61	0
-3.0	437	299	178	61	0
-5.0	435	298	178	61	0
-7.0	433	296	176	61	0
-9.0	431	295	174	61	0
-11.0	427	292	173	61	0
-13.0	423	290	171	59	0
-15.0	418	286	169	59	0
-17.0	413	282	166	58	0
-19.5	406	277	163	57	0
-22.5	395	270	159	56	0
-25.5	384	263	155	55	0
-29.0	369	251	149	53	0
-33.0	349	238	142	51	0
-37.5	325	223	135	49	0
-42.5	299	206	126	46	0
-47.5	273	190	117	42	0
-55.0	237	167	103	37	0
-65.0	193	143	80	28	0
-75.0	135	101	53	17	0
-85.0	50	36	19	6	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6394.33

Total Field Lumens (one side of beam only) = 4679.68

* 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	0.06	0.12	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.11
75	0.45	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	1.00
65	0.83	1.65	1.64	1.63	1.61	1.59	1.56	1.53	1.51	1.85
55	1.24	2.48	2.47	2.45	2.42	2.39	2.35	2.30	2.25	2.73
47.5	1.23	2.45	2.45	2.43	2.41	2.38	2.34	2.29	2.24	2.71
42.5	1.00	1.99	1.98	1.96	1.94	1.91	1.88	1.84	1.80	2.18
37.5	1.17	2.33	2.32	2.29	2.26	2.22	2.18	2.11	2.05	2.49
33	1.53	3.03	2.98	2.93	2.84	2.74	2.61	2.48	2.35	2.76
29	2.30	4.54	4.42	4.25	4.04	3.79	3.52	3.23	2.94	3.30
25.5	3.29	6.49	6.30	6.00	5.60	5.13	4.67	4.19	3.70	4.00
22.5	4.42	8.74	8.47	8.03	7.42	6.67	5.94	5.24	4.52	4.74
19.5	6.82 *	13.46 *	12.92 *	12.11 *	11.10 *	9.88 *	8.65	7.46	6.30	6.43
17	8.26 *	16.26 *	15.44 *	14.31 *	13.00 *	11.45 *	9.89 *	8.39 *	6.96	6.96
15	8.82 *	17.38 *	16.46 *	15.12 *	13.54 *	11.83 *	10.11 *	8.44 *	6.91 *	6.77
13	11.46 *	22.56 *	21.26 *	19.34 *	17.12 *	14.84 *	12.49 *	10.25 *	8.27 *	7.99 *
11	14.78 *	28.94 *	27.06 *	24.43 *	21.49 *	18.35 *	15.18 *	12.27 *	9.75 *	9.30 *
9	18.54 *	36.19 *	33.74 *	30.39 *	26.45 *	22.22 *	18.09 *	14.38 *	11.28 *	10.66 *
7	22.57 *	43.98 *	41.02 *	36.79 *	31.66 *	26.23 *	21.05 *	16.55 *	12.87 *	12.02 *
5	26.72 *	51.93 *	48.29 *	43.11 *	36.77 *	30.10 *	23.90 *	18.64 *	14.33 *	13.16 *
3	30.07 *	58.52 *	54.62 *	48.69 *	41.27 *	33.52 *	26.41 *	20.35 *	15.46 *	14.08 *
1	31.80 *	62.53 *	59.14 *	52.68 *	44.36 *	35.94 *	28.12 *	21.44 *	16.19 *	14.70 *
0	16.16 *	32.01 *	30.45 *	27.05 *	22.68 *	18.34 *	14.32 *	10.88 *	8.20 *	7.45 *
-1	16.16 *	32.01 *	30.45 *	27.05 *	22.68 *	18.34 *	14.32 *	10.88 *	8.20 *	7.45 *
	31.80 *	62.53 *	59.14 *	52.68 *	44.36 *	35.94 *	28.12 *	21.44 *	16.19 *	14.70 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

-3	30.07 *	58.52 *	54.62 *	48.69 *	41.27 *	33.52 *	26.41 *	20.35 *	15.46 *	14.08 *
-5	26.72 *	51.93 *	48.29 *	43.11 *	36.77 *	30.10 *	23.90 *	18.64 *	14.33 *	13.16 *
-7	22.57 *	43.98 *	41.02 *	36.79 *	31.66 *	26.23 *	21.05 *	16.55 *	12.87 *	12.02 *
-9	18.54 *	36.19 *	33.74 *	30.39 *	26.45 *	22.22 *	18.09 *	14.38 *	11.28 *	10.66 *
-11	14.78 *	28.94 *	27.06 *	24.43 *	21.49 *	18.35 *	15.18 *	12.27 *	9.75 *	9.30 *
-13	11.46 *	22.56 *	21.26 *	19.34 *	17.12 *	14.84 *	12.49 *	10.25 *	8.27 *	7.99 *
-15	8.82 *	17.38 *	16.46 *	15.12 *	13.54 *	11.83 *	10.11 *	8.44 *	6.91 *	6.77
-17	8.26 *	16.26 *	15.44 *	14.31 *	13.00 *	11.45 *	9.89 *	8.39 *	6.96	6.96
-19.5	6.82 *	13.46 *	12.92 *	12.11 *	11.10 *	9.88 *	8.65	7.46	6.30	6.43
-22.5	4.42	8.74	8.47	8.03	7.42	6.67	5.94	5.24	4.52	4.74
-25.5	3.29	6.49	6.30	6.00	5.60	5.13	4.67	4.19	3.70	4.00
-29	2.30	4.54	4.42	4.25	4.04	3.79	3.52	3.23	2.94	3.30
-33	1.53	3.03	2.98	2.93	2.84	2.74	2.61	2.48	2.35	2.76
-37.5	1.17	2.33	2.32	2.29	2.26	2.22	2.18	2.11	2.05	2.49
-42.5	1.00	1.99	1.98	1.96	1.94	1.91	1.88	1.84	1.80	2.18
-47.5	1.23	2.45	2.45	2.43	2.41	2.38	2.34	2.29	2.24	2.71
-55	1.24	2.48	2.47	2.45	2.42	2.39	2.35	2.30	2.25	2.73
-65	0.83	1.65	1.64	1.63	1.61	1.59	1.56	1.53	1.51	1.85
-75	0.45	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	1.00
-85	0.06	0.12	0.11	0.11	0.12	0.12	0.12	0.11	0.11	0.14
-90										
Total	427.03	836.99	788.84	713.94	621.91	524.95	432.38	350.42	281.58	274.85

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.17	0.17	0.18	0.19	0.19	0.19	0.17	0.19	0.16	0.07
85	1.18	1.15	1.29	1.38	1.41	1.39	1.20	1.43	1.22	0.54
75	2.17	2.10	2.34	2.51	2.60	2.55	2.17	2.55	2.18	0.98
65	3.16	3.01	3.31	3.49	3.56	3.47	2.94	3.39	2.81	1.28
55	3.11	2.94	3.20	3.33	3.33	3.19	2.66	3.04	2.47	1.13

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	2.50	2.36	2.56	2.66	2.63	2.48	2.03	2.28	1.84	0.83
42.5	2.85	2.69	2.94	3.06	3.00	2.79	2.27	2.52	2.00	0.90
37.5	3.07	2.82	3.00	3.09	3.01	2.78	2.24	2.46	1.94	0.86
33	3.47	3.01	3.05	3.02	2.91	2.67	2.14	2.34	1.84	0.81
29	4.01	3.27	3.12	2.93	2.73	2.49	1.98	2.15	1.69	0.74
25.5	4.56	3.56	3.21	2.82	2.50	2.24	1.78	1.92	1.50	0.66
22.5	5.97	4.48	3.86	3.18	2.67	2.32	1.84	1.99	1.54	0.68
19.5	6.25	4.53	3.76	2.96	2.36	2.00	1.57	1.70	1.31	0.58
17	5.96	4.20	3.39	2.59	1.98	1.63	1.28	1.38	1.06	0.47
15	6.93	4.78	3.76	2.79	2.05	1.66	1.30	1.40	1.08	0.48
13	7.91	5.35	4.12	2.98	2.14	1.69	1.31	1.41	1.09	0.48
11	8.94	5.94	4.48	3.17	2.23	1.72	1.32	1.42	1.10	0.49
9	9.93 *	6.50	4.82	3.35	2.32	1.74	1.33	1.43	1.11	0.49
7	10.72 *	6.95	5.11	3.50	2.37	1.76	1.33	1.44	1.11	0.49
5	11.35 *	7.28	5.31	3.60	2.41	1.77	1.33	1.45	1.12	0.50
3	11.77 *	7.49	5.43	3.67	2.43	1.78	1.34	1.45	1.12	0.50
1	5.95 *	3.78	2.74	1.85	1.23	0.89	0.67	0.73	0.56	0.25
0	5.95 *	3.78	2.74	1.85	1.23	0.89	0.67	0.73	0.56	0.25
-1	11.77 *	7.49	5.43	3.67	2.43	1.78	1.34	1.45	1.12	0.50
-3	11.35 *	7.28	5.31	3.60	2.41	1.77	1.33	1.45	1.12	0.50
-5	10.72 *	6.95	5.11	3.50	2.37	1.76	1.33	1.44	1.11	0.49
-7	9.93 *	6.50	4.82	3.35	2.32	1.74	1.33	1.43	1.11	0.49
-9	8.94	5.94	4.48	3.17	2.23	1.72	1.32	1.42	1.10	0.49
-11	7.91	5.35	4.12	2.98	2.14	1.69	1.31	1.41	1.09	0.48
-13	6.93	4.78	3.76	2.79	2.05	1.66	1.30	1.40	1.08	0.48
-15	5.96	4.20	3.39	2.59	1.98	1.63	1.28	1.38	1.06	0.47
-17	6.25	4.53	3.76	2.96	2.36	2.00	1.57	1.70	1.31	0.58
-19.5	5.97	4.48	3.86	3.18	2.67	2.32	1.84	1.99	1.54	0.68

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	4.56	3.56	3.21	2.82	2.50	2.24	1.78	1.92	1.50	0.66
-25.5	4.01	3.27	3.12	2.93	2.73	2.49	1.98	2.15	1.69	0.74
-29	3.47	3.01	3.05	3.02	2.91	2.67	2.14	2.34	1.84	0.81
-33	3.07	2.82	3.00	3.09	3.01	2.78	2.24	2.46	1.94	0.86
-37.5	2.85	2.69	2.94	3.06	3.00	2.79	2.27	2.52	2.00	0.90
-42.5	2.50	2.36	2.56	2.66	2.63	2.48	2.03	2.28	1.84	0.83
-47.5	3.11	2.94	3.20	3.33	3.33	3.19	2.66	3.04	2.47	1.13
-55	3.16	3.01	3.31	3.49	3.56	3.47	2.94	3.39	2.81	1.28
-65	2.17	2.10	2.34	2.51	2.60	2.55	2.17	2.55	2.18	0.98
-75	1.18	1.15	1.29	1.38	1.41	1.39	1.20	1.43	1.22	0.54
-85	0.17	0.17	0.18	0.19	0.19	0.19	0.17	0.19	0.16	0.07
-90										
Total	243.88	176.74	149.97	124.28	104.09	90.37	72.38	80.14	63.69	28.42

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		2.83
85				
	0.13	0.00		20.58
75				
	0.24	0.01		37.81
65				
	0.33	0.01		53.82
55				
	0.30	0.01		51.64
47.5				
	0.22	0.01		40.87
42.5				
	0.24	0.01		46.68
37.5				
	0.22	0.01		51.74
33				
	0.21	0.01		61.81
29				
	0.19	0.01		74.69
25.5				
	0.17	0.01		89.10
22.5				
	0.17	0.01		123.84
19.5				
	0.15	0.00		138.10
17				
	0.12	0.00		139.45

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

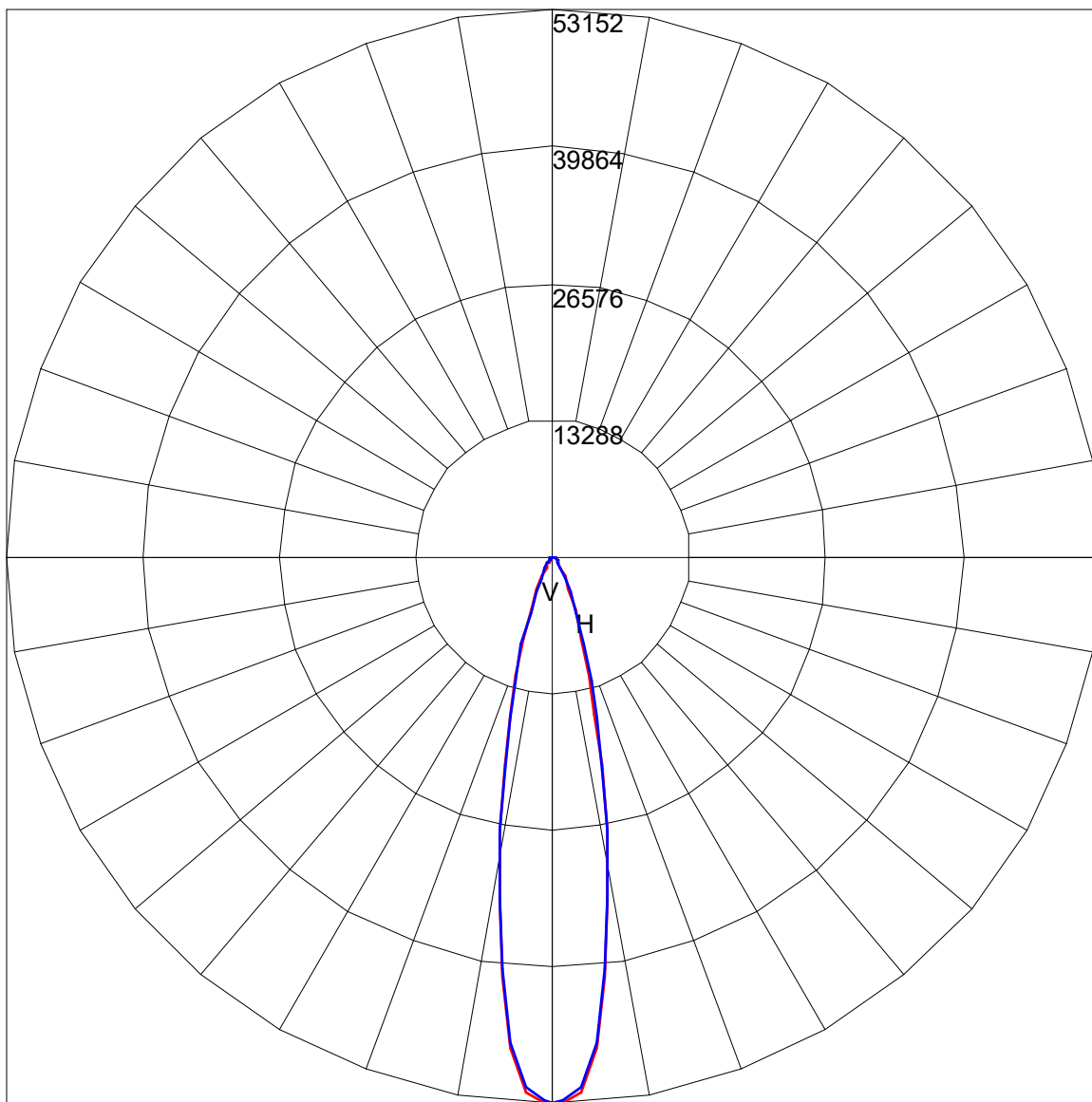
15			
	0.12	0.00	171.92
13			
	0.12	0.00	210.18
11			
	0.12	0.00	252.90
9			
	0.12	0.00	297.89
7			
	0.13	0.00	341.86
5			
	0.13	0.00	379.20
3			
	0.13	0.00	404.01
1			
	0.06	0.00	206.26
0			
	0.06	0.00	206.26
-1			
	0.13	0.00	404.01
-3			
	0.13	0.00	379.20
-5			
	0.13	0.00	341.86
-7			
	0.12	0.00	297.89
-9			
	0.12	0.00	252.90
-11			
	0.12	0.00	210.18
-13			
	0.12	0.00	171.92
-15			
	0.12	0.00	139.45
-17			
	0.15	0.00	138.10
-19.5			
	0.17	0.01	123.84
-22.5			
	0.17	0.01	89.10
-25.5			
	0.19	0.01	74.69
-29			
	0.21	0.01	61.81
-33			
	0.22	0.01	51.74
-37.5			
	0.24	0.01	46.68
-42.5			
	0.22	0.01	40.87
-47.5			
	0.30	0.01	51.64
-55			
	0.33	0.01	53.82
-65			
	0.24	0.01	37.81

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

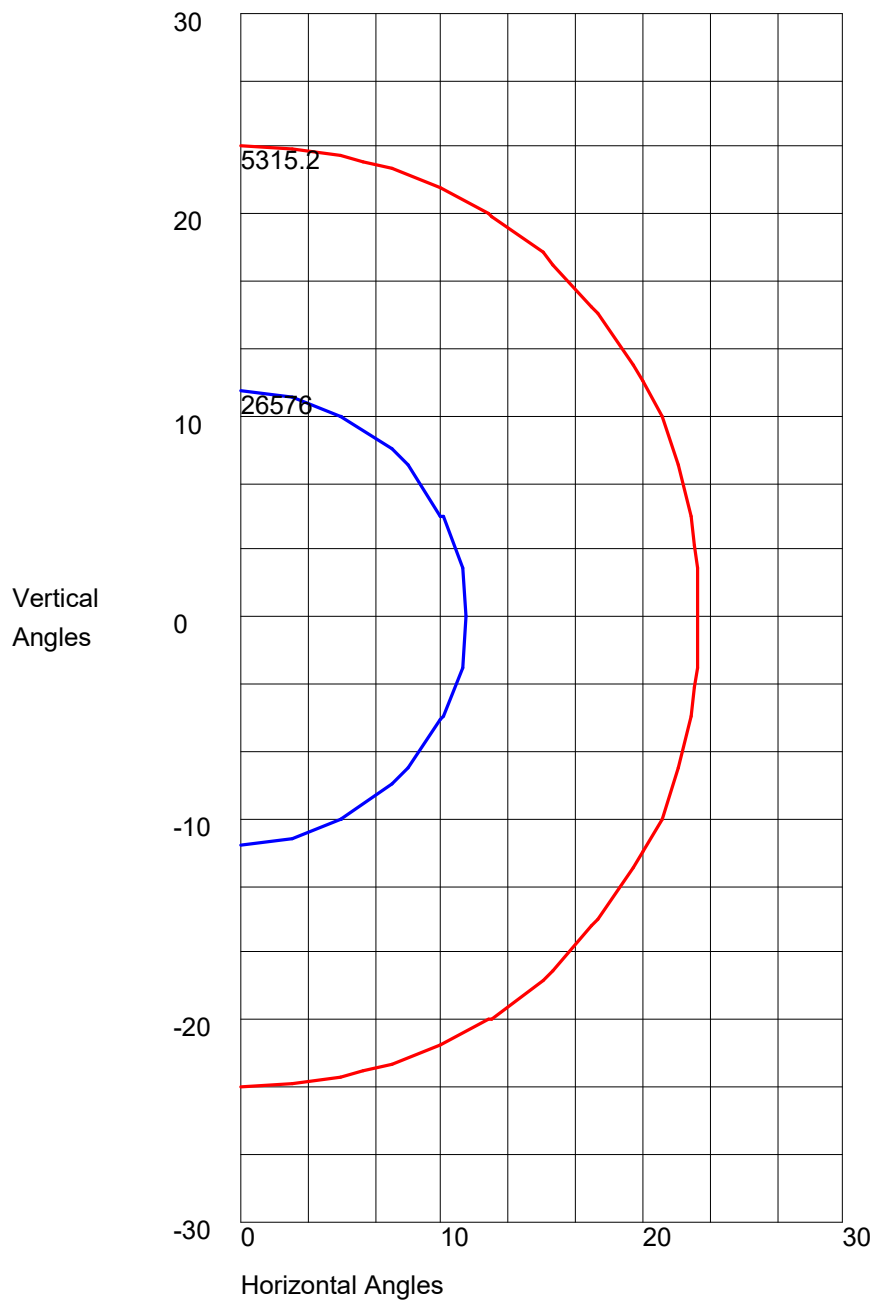
-75	0.13	0.00	20.58
-85	0.02	0.00	2.83
-90			
Total	7.24	0.24	6394.33

AXIAL CANDELA DISPLAY



Maximum Candela = 53152 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 53152 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 26576
10% Maximum Candela = 5315.2