



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12597

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 03/30/21

[TESTDATE] 03/12/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-16L-PC-NF-40-80-HGS

[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	73451
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	22.9
Vertical Beam Angle (50%)	22.3
Horizontal Field Angle (10%)	44.6
Vertical Field Angle (10%)	45.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	6428
Beam Efficiency	N.A.
Field Lumens	12931
Field Efficiency	N.A.
Spill Lumens	3290
Luminaire Lumens	16222
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	4
75	18	75	1
65	124	65	1
55	316	55	6
47.5	506	47.5	178
42.5	644	42.5	425
37.5	915	37.5	648
33	1505	33	1328
29	2690	29	2645
25.5	4493	25.5	4775
22.5	7071	22.5	7957
19.5	11606	19.5	13603
17	16893	17	19015
15	22508	15	24911
13	29944	13	32237
11	38654	11	40816
9	48235	9	50042
7	58004	7	59250
5	66992	5	67708
3	72477	3	72598
1	73451	1	73441
0	73187	0	73187
-1	73451	-1	72694
-3	72477	-3	70264
-5	66992	-5	63503
-7	58004	-7	53775
-9	48235	-9	44090
-11	38654	-11	35078
-13	29944	-13	27170
-15	22508	-15	20600
-17	16893	-17	15639
-19.5	11606	-19.5	11169
-22.5	7071	-22.5	7106
-25.5	4493	-25.5	4557
-29	2690	-29	2792
-33	1505	-33	1750
-37.5	915	-37.5	1082
-42.5	644	-42.5	1055
-47.5	506	-47.5	858
-55	316	-55	588
-65	124	-65	306
-75	18	-75	105
-85	3	-85	19
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 73451

Beam Edge = 36725.5 Cd (50% of Max.)

Field Edge = 7345.1 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	0	0	2	3	4	5	5	5	6
75.0	0	1	0	0	1	1	1	1	1	1
65.0	0	1	1	1	1	1	1	1	1	1
55.0	0	1	2	3	5	6	7	7	10	7
47.5	0	1	3	6	13	35	54	72	90	106
42.5	0	1	4	10	34	81	111	144	182	218
37.5	0	1	5	14	68	127	166	213	258	302
33.0	0	2	6	23	103	170	226	270	343	416
29.0	0	2	7	34	136	220	291	364	456	601
25.5	0	2	8	46	166	271	355	455	587	792
22.5	0	2	9	56	193	317	409	539	721	1045
19.5	0	2	10	66	217	362	462	622	853	1308
17.0	0	2	11	75	236	397	504	674	986	1547
15.0	0	2	11	81	249	415	538	708	1076	1729
13.0	0	2	12	87	262	430	562	758	1145	1905
11.0	0	3	13	93	273	444	582	800	1224	2060
9.0	0	3	14	99	284	457	598	831	1297	2193
7.0	0	3	15	106	294	469	610	859	1368	2306
5.0	0	3	16	111	302	480	618	880	1430	2461
3.0	0	3	17	117	309	493	632	896	1475	2568
1.0	0	3	18	122	314	502	640	911	1500	2660
0.0	0	3	18	124	316	506	644	915	1505	2690
-1.0	0	3	19	126	319	510	649	922	1522	2697
-3.0	0	3	20	131	324	517	659	929	1541	2677
-5.0	0	3	21	134	327	518	664	936	1547	2626
-7.0	0	3	21	137	330	522	674	942	1532	2521
-9.0	0	3	22	139	332	525	681	941	1495	2395
-11.0	0	3	23	140	333	525	684	933	1427	2258
-13.0	0	3	23	141	333	525	683	917	1344	2091
-15.0	0	3	23	140	332	523	678	892	1279	1895
-17.0	0	3	24	140	330	519	671	879	1213	1752
-19.5	0	3	24	138	325	513	662	860	1123	1551
-22.5	0	3	24	135	318	500	646	826	1029	1345
-25.5	0	3	23	132	309	483	626	783	949	1153
-29.0	0	3	23	127	295	458	595	738	871	1012
-33.0	0	3	21	120	277	424	551	686	809	910
-37.5	0	3	20	110	252	388	496	612	725	818
-42.5	0	3	18	96	226	341	433	527	618	707
-47.5	0	2	14	81	196	292	366	450	517	588
-55.0	0	2	11	57	145	214	260	313	356	391
-65.0	0	2	8	24	80	122	151	178	203	222
-75.0	0	1	6	10	25	38	50	58	64	71
-85.0	0	0	3	7	10	12	13	15	17	18
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	7	7	6	6	6	6	5	5	4	4
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1
55.0	9	8	7	8	7	6	6	6	6	6
47.5	121	136	150	159	164	168	171	175	176	174
42.5	257	283	311	339	351	364	378	392	404	414
37.5	358	403	458	501	528	563	591	613	631	643
33.0	522	614	712	820	901	971	1064	1165	1246	1300
29.0	760	967	1187	1389	1555	1795	2014	2183	2342	2492
25.5	1107	1461	1861	2270	2694	3106	3444	3910	4305	4590
22.5	1493	2014	2698	3455	4164	4890	5607	6400	6977	7416 *
19.5	1942	2709	3821	5051	6155	7488 *	8670 *	10130 *	11327 *	12249 *
17.0	2316	3412	4928	6636	8125 *	9981 *	11787 *	14018 *	15894 *	17316 *
15.0	2672	3990	5863	7911 *	9932 *	12103 *	14862 *	17414 *	20216 *	22374 *
13.0	3017	4566	6869	9538 *	11885 *	14851 *	18212 *	21754 *	25139 *	28452 *
11.0	3305	5078	7764 *	10995 *	14238 *	17854 *	22088 *	26634 *	31094 *	35442 *
9.0	3646	5687	8852 *	12644 *	16205 *	21066 *	26371 *	31758 *	37849 *	43146 *
7.0	3923	6160	9724 *	14016 *	18455 *	23799 *	30492 *	37572 *	44776 *	51077 *
5.0	4157	6503	10310 *	14997 *	20194 *	26598 *	34200 *	42497 *	50784 *	58329 *
3.0	4343	6820	11082 *	16005 *	21444 *	28360 *	36875 *	46274 *	55821 *	63725 *
1.0	4462	7036	11570 *	16866 *	22612 *	29953 *	38654 *	48188 *	57915 *	67552 *
0.0	4493	7071	11606 *	16893 *	22508 *	29944 *	38654 *	48235 *	58004 *	66992 *
-1.0	4486	7078	11440 *	16600 *	22136 *	29157 *	37850 *	47506 *	57230 *	66522 *
-3.0	4428	6958	11009 *	15873 *	21409 *	28221 *	36228 *	44807 *	53745 *	61564 *
-5.0	4326	6748	10407 *	14850 *	20089 *	26013 *	32598 *	40141 *	47944 *	54282 *
-7.0	4139	6409	9834 *	13935 *	18219 *	22985 *	28686 *	34847 *	40476 *	46823 *
-9.0	3854	5971	9073 *	12530 *	15871 *	20063 *	24471 *	28914 *	34277 *	38704 *
-11.0	3468	5380	7934 *	10802 *	13793 *	16812 *	20167 *	24130 *	27916 *	31117 *
-13.0	3167	4753	6856	9236 *	11374 *	13815 *	16549 *	19568 *	22083 *	24410 *
-15.0	2853	4113	5829	7565 *	9405 *	11235 *	13429 *	15291 *	17342 *	18761 *
-17.0	2531	3545	4921	6365	7630 *	9206 *	10602 *	12159 *	13402 *	14241 *
-19.5	2205	2925	3909	4934	5874	6962	7911 *	8927 *	9672 *	10206 *
-22.5	1768	2279	2922	3532	4122	4701	5208	5858	6330	6657
-25.5	1406	1739	2142	2477	2842	3189	3458	3817	4105	4310
-29.0	1160	1342	1558	1771	1936	2143	2318	2460	2599	2723
-33.0	997	1093	1191	1290	1374	1449	1537	1621	1683	1726
-37.5	877	922	966	985	996	1038	1064	1077	1087	1089
-42.5	771	831	886	926	948	971	997	1016	1030	1046
-47.5	647	697	749	781	802	820	835	845	851	853
-55.0	433	462	491	519	539	556	567	575	583	588
-65.0	241	253	267	279	288	295	299	303	305	306
-75.0	77	83	88	93	96	99	101	103	105	108
-85.0	19	19	19	19	19	19	19	19	19	19
-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	4	4	4	4	4	4	4	5	5	6
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1

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CANDELA TABULATION - (Cont.)

55.0	6	6	6	6	6	6	6	6	6	6
47.5	176	177	178	177	176	174	176	175	171	168
42.5	427	426	425	426	427	414	404	392	378	364
37.5	650	651	648	651	650	643	631	613	591	563
33.0	1329	1334	1328	1334	1329	1300	1246	1165	1064	971
29.0	2592	2642	2645	2642	2592	2492	2342	2183	2014	1795
25.5	4746	4791	4775	4791	4746	4590	4305	3910	3444	3106
22.5	7769 *	7971 *	7957 *	7971 *	7769 *	7416 *	6977	6400	5607	4890
19.5	12841 *	13308 *	13603 *	13308 *	12841 *	12249 *	11327 *	10130 *	8670 *	7488 *
17.0	18358 *	18887 *	19015 *	18887 *	18358 *	17316 *	15894 *	14018 *	11787 *	9981 *
15.0	23714 *	24390 *	24911 *	24390 *	23714 *	22374 *	20216 *	17414 *	14862 *	12103 *
13.0	30595 *	31341 *	32237 *	31341 *	30595 *	28452 *	25139 *	21754 *	18212 *	14851 *
11.0	38571 *	39922 *	40816 *	39922 *	38571 *	35442 *	31094 *	26634 *	22088 *	17854 *
9.0	47107 *	49217 *	50042 *	49217 *	47107 *	43146 *	37849 *	31758 *	26371 *	21066 *
7.0	55915 *	58427 *	59250 *	58427 *	55915 *	51077 *	44776 *	37572 *	30492 *	23799 *
5.0	63683 *	67353 *	67708 *	67353 *	63683 *	58329 *	50784 *	42497 *	34200 *	26598 *
3.0	69212 *	71804 *	72598 *	71804 *	69212 *	63725 *	55821 *	46274 *	36875 *	28360 *
1.0	72487 *	73392 *	73441 *	73392 *	72487 *	67552 *	57915 *	48188 *	38654 *	29953 *
0.0	72477 *	73451 *	73187 *	73451 *	72477 *	66992 *	58004 *	48235 *	38654 *	29944 *
-1.0	71433 *	72689 *	72694 *	72689 *	71433 *	66522 *	57230 *	47506 *	37850 *	29157 *
-3.0	66890 *	69915 *	70264 *	69915 *	66890 *	61564 *	53745 *	44807 *	36228 *	28221 *
-5.0	59969 *	63563 *	63503 *	63563 *	59969 *	54282 *	47944 *	40141 *	32598 *	26013 *
-7.0	51155 *	53479 *	53775 *	53479 *	51155 *	46823 *	40476 *	34847 *	28686 *	22985 *
-9.0	42042 *	43901 *	44090 *	43901 *	42042 *	38704 *	34277 *	28914 *	24471 *	20063 *
-11.0	33396 *	34955 *	35078 *	34955 *	33396 *	31117 *	27916 *	24130 *	20167 *	16812 *
-13.0	25901 *	27063 *	27170 *	27063 *	25901 *	24410 *	22083 *	19568 *	16549 *	13815 *
-15.0	19787 *	20573 *	20600 *	20573 *	19787 *	18761 *	17342 *	15291 *	13429 *	11235 *
-17.0	15056 *	15576 *	15639 *	15576 *	15056 *	14241 *	13402 *	12159 *	10602 *	9206 *
-19.5	10839 *	11156 *	11169 *	11156 *	10839 *	10206 *	9672 *	8927 *	7911 *	6962
-22.5	6876	7051	7106	7051	6876	6657	6330	5858	5208	4701
-25.5	4430	4521	4557	4521	4430	4310	4105	3817	3458	3189
-29.0	2799	2809	2792	2809	2799	2723	2599	2460	2318	2143
-33.0	1750	1755	1750	1755	1750	1726	1683	1621	1537	1449
-37.5	1084	1083	1082	1083	1084	1089	1087	1077	1064	1038
-42.5	1060	1057	1055	1057	1060	1046	1030	1016	997	971
-47.5	856	857	858	857	856	853	851	845	835	820
-55.0	592	589	588	589	592	588	583	575	567	556
-65.0	307	306	306	306	307	306	305	303	299	295
-75.0	107	106	105	106	107	108	105	103	101	99
-85.0	19	19	19	19	19	19	19	19	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	6	6	6	7	7	6	5	5	5	4
75.0	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1
55.0	7	8	7	8	9	7	10	7	7	6
47.5	164	159	150	136	121	106	90	72	54	35
42.5	351	339	311	283	257	218	182	144	111	81
37.5	528	501	458	403	358	302	258	213	166	127
33.0	901	820	712	614	522	416	343	270	226	170
29.0	1555	1389	1187	967	760	601	456	364	291	220
25.5	2694	2270	1861	1461	1107	792	587	455	355	271

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CANDELA TABULATION - (Cont.)

22.5	4164	3455	2698	2014	1493	1045	721	539	409	317
19.5	6155	5051	3821	2709	1942	1308	853	622	462	362
17.0	8125 *	6636	4928	3412	2316	1547	986	674	504	397
15.0	9932 *	7911 *	5863	3990	2672	1729	1076	708	538	415
13.0	11885 *	9538 *	6869	4566	3017	1905	1145	758	562	430
11.0	14238 *	10995 *	7764 *	5078	3305	2060	1224	800	582	444
9.0	16205 *	12644 *	8852 *	5687	3646	2193	1297	831	598	457
7.0	18455 *	14016 *	9724 *	6160	3923	2306	1368	859	610	469
5.0	20194 *	14997 *	10310 *	6503	4157	2461	1430	880	618	480
3.0	21444 *	16005 *	11082 *	6820	4343	2568	1475	896	632	493
1.0	22612 *	16866 *	11570 *	7036	4462	2660	1500	911	640	502
0.0	22508 *	16893 *	11606 *	7071	4493	2690	1505	915	644	506
-1.0	22136 *	16600 *	11440 *	7078	4486	2697	1522	922	649	510
-3.0	21409 *	15873 *	11009 *	6958	4428	2677	1541	929	659	517
-5.0	20089 *	14850 *	10407 *	6748	4326	2626	1547	936	664	518
-7.0	18219 *	13935 *	9834 *	6409	4139	2521	1532	942	674	522
-9.0	15871 *	12530 *	9073 *	5971	3854	2395	1495	941	681	525
-11.0	13793 *	10802 *	7934 *	5380	3468	2258	1427	933	684	525
-13.0	11374 *	9236 *	6856	4753	3167	2091	1344	917	683	525
-15.0	9405 *	7565 *	5829	4113	2853	1895	1279	892	678	523
-17.0	7630 *	6365	4921	3545	2531	1752	1213	879	671	519
-19.5	5874	4934	3909	2925	2205	1551	1123	860	662	513
-22.5	4122	3532	2922	2279	1768	1345	1029	826	646	500
-25.5	2842	2477	2142	1739	1406	1153	949	783	626	483
-29.0	1936	1771	1558	1342	1160	1012	871	738	595	458
-33.0	1374	1290	1191	1093	997	910	809	686	551	424
-37.5	996	985	966	922	877	818	725	612	496	388
-42.5	948	926	886	831	771	707	618	527	433	341
-47.5	802	781	749	697	647	588	517	450	366	292
-55.0	539	519	491	462	433	391	356	313	260	214
-65.0	288	279	267	253	241	222	203	178	151	122
-75.0	96	93	88	83	77	71	64	58	50	38
-85.0	19	19	19	19	19	18	17	15	13	12
-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	3	2	0	0	0
75.0	1	0	0	1	0
65.0	1	1	1	1	0
55.0	5	3	2	1	0
47.5	13	6	3	1	0
42.5	34	10	4	1	0
37.5	68	14	5	1	0
33.0	103	23	6	2	0
29.0	136	34	7	2	0
25.5	166	46	8	2	0
22.5	193	56	9	2	0
19.5	217	66	10	2	0
17.0	236	75	11	2	0
15.0	249	81	11	2	0
13.0	262	87	12	2	0
11.0	273	93	13	3	0
9.0	284	99	14	3	0

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CANDELA TABULATION - (Cont.)

7.0	294	106	15	3	0
5.0	302	111	16	3	0
3.0	309	117	17	3	0
1.0	314	122	18	3	0
0.0	316	124	18	3	0
-1.0	319	126	19	3	0
-3.0	324	131	20	3	0
-5.0	327	134	21	3	0
-7.0	330	137	21	3	0
-9.0	332	139	22	3	0
-11.0	333	140	23	3	0
-13.0	333	141	23	3	0
-15.0	332	140	23	3	0
-17.0	330	140	24	3	0
-19.5	325	138	24	3	0
-22.5	318	135	24	3	0
-25.5	309	132	23	3	0
-29.0	295	127	23	3	0
-33.0	277	120	21	3	0
-37.5	252	110	20	3	0
-42.5	226	96	18	3	0
-47.5	196	81	14	2	0
-55.0	145	57	11	2	0
-65.0	80	24	8	2	0
-75.0	25	10	6	1	0
-85.0	10	7	3	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8110.81

Total Field Lumens (one side of beam only) = 6465.71

* 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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
65	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
55	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
47.5	0.21	0.42	0.41	0.41	0.41	0.40	0.39	0.38	0.37	0.44
42.5	0.46	0.92	0.90	0.88	0.86	0.84	0.81	0.77	0.74	0.87
37.5	0.82	1.64	1.62	1.58	1.54	1.48	1.41	1.33	1.26	1.45
33	1.36	2.72	2.68	2.60	2.48	2.32	2.14	1.97	1.81	2.03
29	2.42	4.81	4.69	4.47	4.18	3.86	3.48	3.09	2.73	2.97
25.5	3.96	7.87	7.67	7.28	6.73	6.06	5.40	4.73	4.05	4.24
22.5	5.82	11.54	11.18	10.58	9.77	8.71	7.62	6.59	5.53	5.58
19.5	9.79 *	19.13 *	18.36 *	17.25 *	15.76 *	13.86 *	11.91	10.06	8.27	8.15
17	12.34 *	24.12 *	23.08 *	21.50 *	19.37 *	16.73 *	14.12 *	11.73 *	9.50	9.24
15	13.28 *	25.98 *	24.84 *	22.96 *	20.37 *	17.42 *	14.52 *	11.86 *	9.55 *	9.16
13	17.19 *	33.50 *	31.95 *	29.14 *	25.50 *	21.67 *	17.89 *	14.41 *	11.50 *	10.91 *
11	21.98 *	42.75 *	40.43 *	36.39 *	31.56 *	26.60 *	21.75 *	17.39 *	13.66 *	12.72 *
9	27.41 *	53.22 *	49.91 *	44.69 *	38.41 *	32.05 *	26.03 *	20.50 *	15.84 *	14.56 *
7	33.04 *	64.13 *	59.93 *	53.57 *	45.84 *	37.85 *	30.31 *	23.50 *	17.95 *	16.36 *
5	38.49 *	74.70 *	69.59 *	62.09 *	52.98 *	43.42 *	34.29 *	26.32 *	19.81 *	17.73 *
3	42.56 *	82.82 *	77.47 *	69.27 *	58.93 *	47.95 *	37.55 *	28.55 *	21.27 *	18.95 *
1	44.36 *	87.34 *	82.95 *	74.22 *	62.80 *	50.99 *	39.88 *	30.26 *	22.52 *	20.08 *
0	22.35 *	44.42 *	42.47 *	37.94 *	32.03 *	26.06 *	20.44 *	15.52 *	11.55 *	10.29 *
-1	22.24 *	44.15 *	42.15 *	37.68 *	31.82 *	25.83 *	20.20 *	15.33 *	11.44 *	10.22 *
	43.49 *	85.52 *	80.95 *	72.42 *	61.32 *	49.91 *	39.17 *	29.83 *	22.26 *	19.86 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	40.70 *	79.25 *	73.75 *	65.90 *	56.30 *	46.13 *	36.67 *	28.29 *	21.15 *	18.85 *
-5	35.69 *	69.46 *	64.49 *	57.41 *	49.29 *	40.88 *	32.86 *	25.80 *	19.64 *	17.73 *
-7	29.74 *	58.01 *	54.31 *	48.55 *	41.78 *	35.07 *	28.66 *	22.80 *	17.73 *	16.41 *
-9	24.07 *	46.97 *	44.14 *	39.99 *	34.76 *	29.30 *	24.29 *	19.67 *	15.52 *	14.59 *
-11	18.93 *	36.93 *	34.89 *	31.97 *	28.26 *	24.12 *	20.06 *	16.49 *	13.24 *	12.59 *
-13	14.53 *	28.41 *	27.00 *	25.02 *	22.41 *	19.45 *	16.40 *	13.54 *	11.00 *	10.66 *
-15	11.02 *	21.61 *	20.62 *	19.31 *	17.55 *	15.44 *	13.25 *	11.08 *	9.07 *	8.92
-17	10.19 *	20.03 *	19.12 *	17.99 *	16.65 *	14.85 *	12.92 *	10.96 *	9.08	9.10
-19.5	8.33 *	16.40 *	15.76 *	14.93 *	13.93 *	12.56	11.08	9.60	8.11	8.30
-22.5	5.31	10.45	10.15	9.73	9.10	8.25	7.40	6.59	5.70	6.01
-25.5	3.91	7.76	7.58	7.28	6.85	6.33	5.79	5.23	4.62	5.03
-29	2.77	5.55	5.47	5.29	5.05	4.76	4.44	4.08	3.73	4.20
-33	1.94	3.88	3.86	3.81	3.71	3.58	3.41	3.23	3.06	3.61
-37.5	1.63	3.26	3.25	3.22	3.17	3.12	3.03	2.92	2.82	3.40
-42.5	1.46	2.91	2.90	2.86	2.82	2.77	2.70	2.62	2.53	3.02
-47.5	1.65	3.30	3.29	3.27	3.23	3.17	3.10	3.01	2.90	3.44
-55	1.36	2.73	2.72	2.70	2.66	2.62	2.56	2.48	2.38	2.81
-65	0.63	1.26	1.26	1.25	1.23	1.21	1.18	1.15	1.11	1.31
-75	0.19	0.38	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.40
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-90	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	577.66	1130.3	1068.25	967.88	841.85	708.08	579.54	464.10	365.41	346.29

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00
85	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.01
75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
65	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.02
55	0.48	0.43	0.43	0.42	0.38	0.31	0.21	0.16	0.08	0.03

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	0.94	0.83	0.83	0.78	0.68	0.56	0.38	0.29	0.12	0.03
42.5	1.55	1.36	1.34	1.25	1.11	0.92	0.65	0.55	0.24	0.04
37.5	2.10	1.78	1.70	1.55	1.36	1.15	0.83	0.75	0.36	0.06
33	2.97	2.39	2.18	1.90	1.60	1.34	0.98	0.90	0.45	0.07
29	4.09	3.14	2.70	2.23	1.82	1.50	1.07	0.99	0.51	0.09
25.5	5.14	3.80	3.15	2.46	1.93	1.54	1.09	1.01	0.53	0.09
22.5	7.19	5.11	4.11	3.08	2.30	1.78	1.25	1.17	0.61	0.11
19.5	7.93	5.41	4.21	3.06	2.19	1.65	1.16	1.08	0.56	0.11
17	7.76	5.17	3.92	2.79	1.93	1.41	1.00	0.93	0.49	0.09
15	9.08	5.95	4.42	3.06	2.06	1.50	1.05	0.97	0.52	0.10
13	10.35	6.66	4.87	3.31	2.20	1.58	1.09	1.01	0.54	0.11
11	11.68	7.39	5.31	3.54	2.32	1.64	1.12	1.04	0.57	0.11
9	12.98 *	8.10	5.72	3.74	2.44	1.69	1.15	1.07	0.60	0.12
7	13.95 *	8.66	6.09	3.95	2.54	1.73	1.17	1.10	0.62	0.13
5	14.81 *	9.11	6.41	4.14	2.62	1.76	1.20	1.13	0.64	0.14
3	15.57 *	9.46	6.65	4.28	2.68	1.80	1.22	1.16	0.66	0.14
1	7.95 *	4.81	3.39	2.18	1.35	0.91	0.62	0.59	0.33	0.07
0	7.93 *	4.83	3.40	2.20	1.36	0.91	0.62	0.59	0.34	0.07
-1	15.56 *	9.58	6.77	4.41	2.75	1.84	1.26	1.19	0.68	0.15
-3	14.98 *	9.37	6.66	4.38	2.77	1.86	1.27	1.20	0.70	0.16
-5	14.25 *	9.02	6.45	4.29	2.77	1.88	1.28	1.21	0.71	0.16
-7	13.34 *	8.50	6.12	4.15	2.75	1.89	1.29	1.22	0.71	0.17
-9	12.10	7.79	5.67	3.95	2.68	1.89	1.30	1.23	0.72	0.17
-11	10.63	7.00	5.20	3.72	2.59	1.88	1.30	1.23	0.72	0.17
-13	9.19	6.21	4.74	3.45	2.48	1.85	1.30	1.22	0.72	0.17
-15	7.85	5.44	4.28	3.21	2.39	1.82	1.29	1.22	0.72	0.17
-17	8.16	5.85	4.76	3.68	2.85	2.24	1.59	1.51	0.89	0.21
-19.5	7.70	5.75	4.88	3.95	3.22	2.62	1.87	1.77	1.05	0.25

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	5.81	4.50	4.03	3.51	3.01	2.52	1.82	1.73	1.02	0.25
-25.5	5.06	4.12	3.92	3.64	3.27	2.80	2.04	1.93	1.15	0.28
-29	4.42	3.83	3.87	3.76	3.47	3.00	2.18	2.08	1.25	0.30
-33	4.00	3.65	3.84	3.83	3.57	3.08	2.25	2.16	1.30	0.32
-37.5	3.84	3.55	3.76	3.74	3.47	3.02	2.23	2.16	1.30	0.32
-42.5	3.37	3.07	3.21	3.17	2.95	2.59	1.93	1.88	1.14	0.27
-47.5	3.84	3.50	3.66	3.63	3.43	3.04	2.29	2.27	1.37	0.32
-55	3.14	2.90	3.05	3.06	2.94	2.63	2.01	2.00	1.16	0.26
-65	1.47	1.36	1.45	1.46	1.41	1.27	0.97	0.95	0.53	0.12
-75	0.45	0.41	0.44	0.44	0.43	0.40	0.30	0.30	0.20	0.07
-85	0.04	0.04	0.04	0.05	0.04	0.04	0.03	0.04	0.03	0.01
-90	0.04	0.04	0.04	0.05	0.04	0.04	0.03	0.04	0.03	0.01
Total	293.75	199.97	157.76	119.49	90.24	69.90	49.75	47.10	26.87	6.04

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.20	
85				
	0.00	0.00	0.47	
75				
	0.00	0.00	0.16	
65				
	0.01	0.00	0.63	
55				
	0.01	0.00	6.76	
47.5				
	0.01	0.00	13.50	
42.5				
	0.01	0.00	23.18	
37.5				
	0.01	0.00	33.76	
33				
	0.01	0.00	51.49	
29				
	0.01	0.00	76.13	
25.5				
	0.01	0.00	103.68	
22.5				
	0.01	0.00	159.25	
19.5				
	0.01	0.00	189.12	
17				
	0.01	0.00	195.44	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

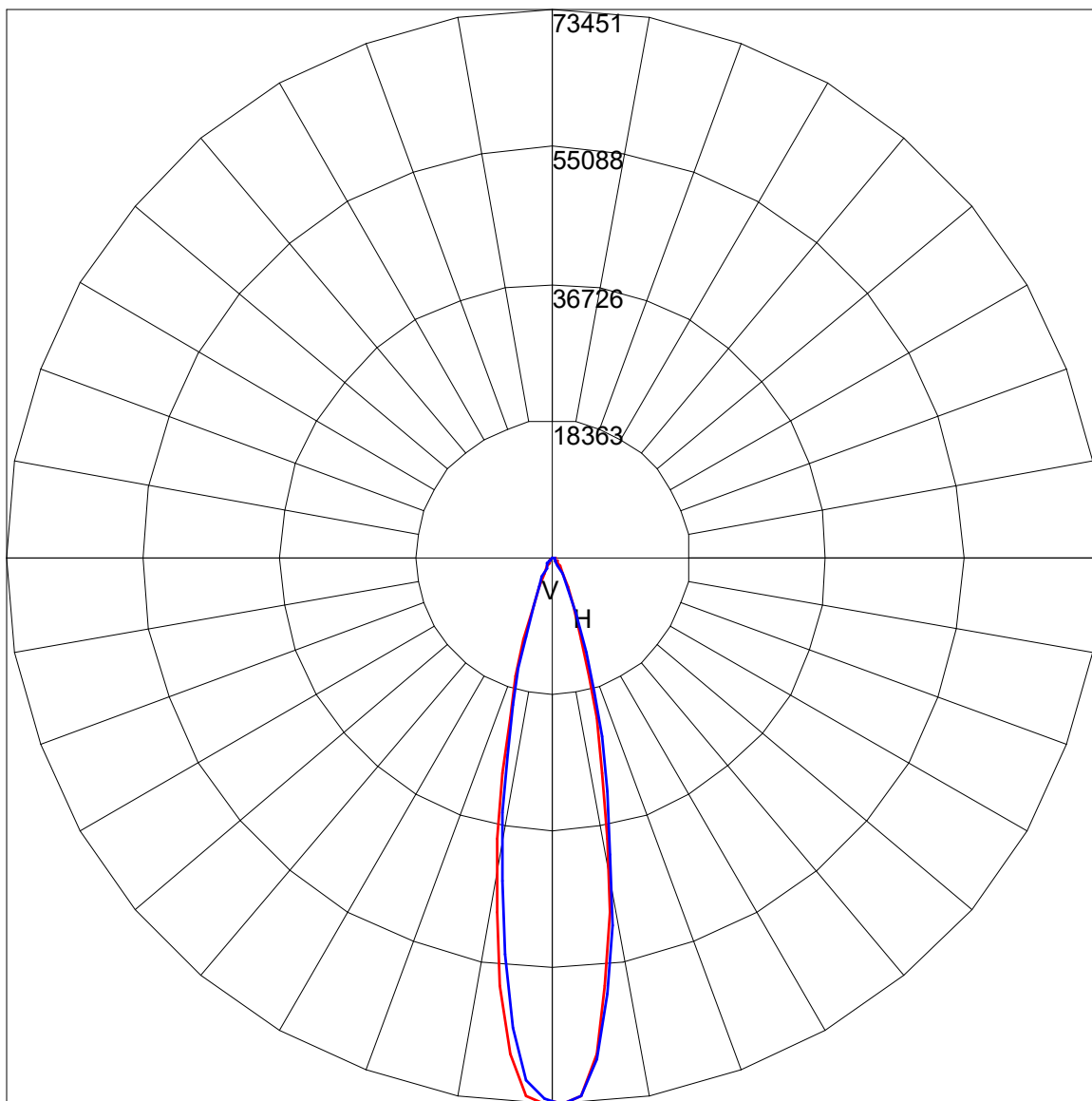
15	0.01	0.00	242.35
13	0.01	0.00	296.95
11	0.01	0.00	357.36
9	0.01	0.00	420.11
7	0.01	0.00	479.36
5	0.01	0.00	527.28
3	0.01	0.00	559.01
1	0.01	0.00	285.26
0	0.01	0.00	283.32
-1	0.01	0.00	548.93
-3	0.01	0.00	510.35
-5	0.01	0.00	455.29
-7	0.01	0.00	393.22
-9	0.01	0.00	330.80
-11	0.01	0.00	271.93
-13	0.01	0.00	219.77
-15	0.01	0.00	176.27
-17	0.02	0.00	172.64
-19.5	0.02	0.00	152.09
-22.5	0.02	0.00	106.89
-25.5	0.02	0.00	88.63
-29	0.03	0.00	73.53
-33	0.03	0.00	62.11
-37.5	0.03	0.00	57.24
-42.5	0.02	0.00	50.21
-47.5	0.03	0.00	57.74
-55	0.03	0.00	48.21
-65	0.02	0.00	22.61

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-NF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

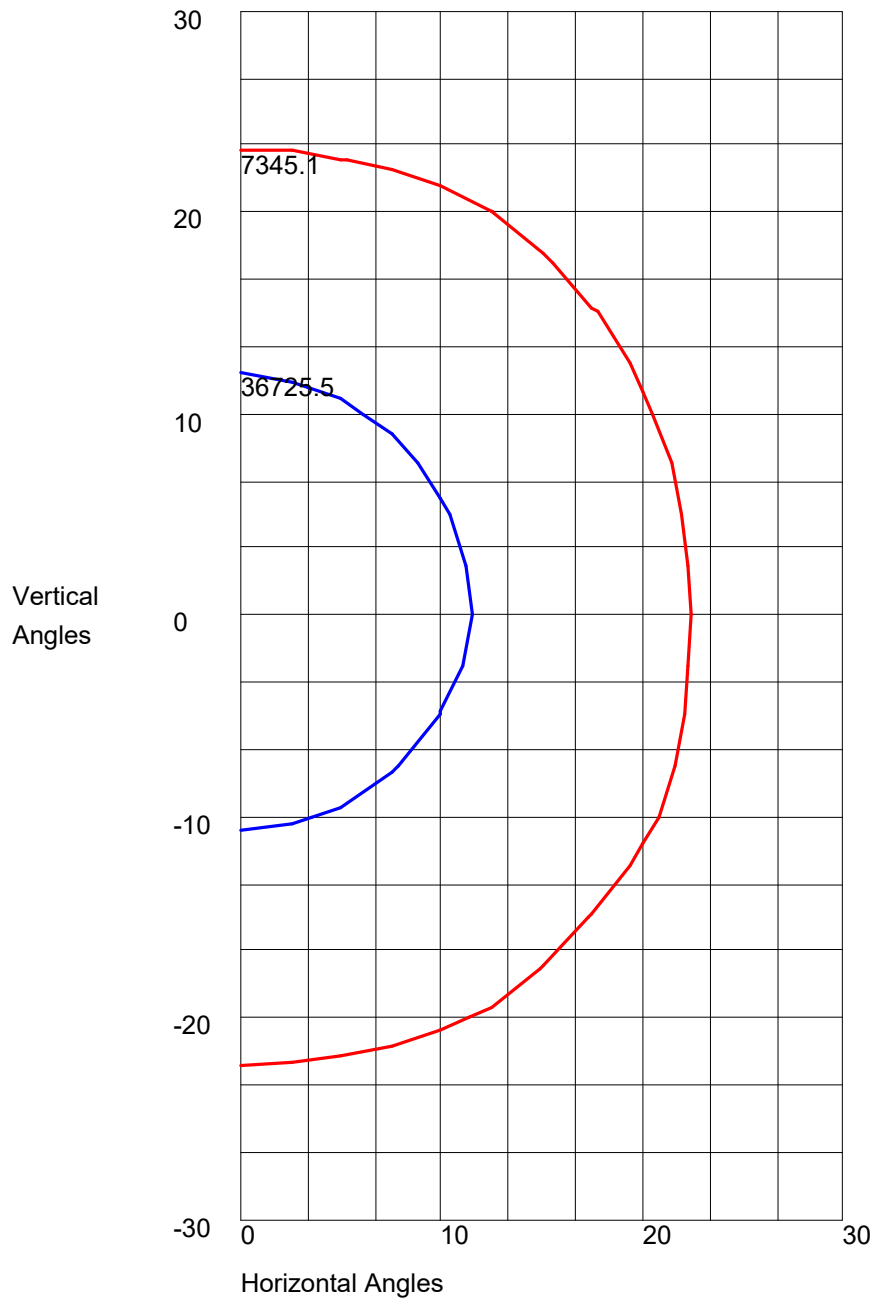
-75	0.01	0.00	6.95
-85	0.00	0.00	0.65
-90			
Total	0.56	0.01	8110.82

AXIAL CANDELA DISPLAY



Maximum Candela = 73451 Located At Horizontal Angle = -1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 73451 Located At Horizontal Angle = -1, Vertical Angle = 0
50% Maximum Candela = 36725.5
10% Maximum Candela = 7345.1