



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12459
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 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-30L-PC-NF-40-80

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	102631
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	15294
Beam Efficiency	N.A.
Field Lumens	22378
Field Efficiency	N.A.
Spill Lumens	8247
Luminaire Lumens	30625
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	1
85	158	85	238
75	495	75	707
65	845	65	1322
55	1104	55	1843
47.5	1164	47.5	1746
42.5	1243	42.5	1633
37.5	1502	37.5	1713
33	2073	33	2338
29	3221	29	3879
25.5	4901	25.5	6343
22.5	7752	22.5	10204
19.5	15026	19.5	19296
17	26284	17	31894
15	38850	15	45748
13	54956	13	63358
11	70056	11	79392
9	81987	9	91817
7	89810	7	99584
5	93808	5	102631
3	96643	3	100659
1	98134	1	99260
0	98656	0	98656
-1	98134	-1	99260
-3	96643	-3	100659
-5	93808	-5	102631
-7	89810	-7	99584
-9	81987	-9	91817
-11	70056	-11	79392
-13	54956	-13	63358
-15	38850	-15	45748
-17	26284	-17	31894
-19.5	15026	-19.5	19296
-22.5	7752	-22.5	10204
-25.5	4901	-25.5	6343
-29	3221	-29	3879
-33	2073	-33	2338
-37.5	1502	-37.5	1713
-42.5	1243	-42.5	1633
-47.5	1164	-47.5	1746
-55	1104	-55	1843
-65	845	-65	1322
-75	495	-75	707
-85	158	-85	238
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 102631

Beam Edge = 51315.5 Cd (50% of Max.)

Field Edge = 10263.1 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	1	1	1	1	1	1
85.0	0	19	73	163	241	265	278	287	286	273
75.0	0	55	177	321	483	584	648	704	741	736
65.0	0	90	243	456	701	878	992	1078	1147	1169
55.0	0	114	307	569	860	1092	1252	1403	1508	1601
47.5	0	126	352	641	961	1280	1455	1573	1632	1684
42.5	0	132	380	682	1017	1334	1486	1564	1624	1662
37.5	0	138	405	719	1067	1342	1471	1545	1578	1596
33.0	0	143	425	750	1098	1321	1427	1495	1519	1593
29.0	0	147	440	776	1116	1295	1373	1435	1516	1689
25.5	0	150	452	798	1119	1272	1328	1402	1566	1842
22.5	0	152	460	809	1117	1243	1302	1386	1620	2015
19.5	0	154	467	819	1123	1213	1282	1397	1674	2185
17.0	0	155	474	826	1122	1189	1269	1413	1736	2347
15.0	0	156	479	831	1120	1186	1263	1421	1793	2463
13.0	0	156	483	834	1118	1182	1260	1440	1834	2658
11.0	0	159	487	836	1115	1178	1260	1457	1887	2796
9.0	0	159	490	840	1111	1174	1257	1476	1943	2880
7.0	0	159	492	843	1107	1169	1254	1488	1994	3004
5.0	0	159	496	845	1107	1165	1248	1495	2027	3119
3.0	0	158	495	847	1107	1166	1248	1500	2045	3174
1.0	0	158	495	846	1105	1165	1245	1504	2068	3216
0.0	0	158	495	845	1104	1164	1243	1502	2073	3221
-1.0	0	158	495	846	1105	1165	1245	1504	2068	3216
-3.0	0	158	495	847	1107	1166	1248	1500	2045	3174
-5.0	0	159	496	845	1107	1165	1248	1495	2027	3119
-7.0	0	159	492	843	1107	1169	1254	1488	1994	3004
-9.0	0	159	490	840	1111	1174	1257	1476	1943	2880
-11.0	0	159	487	836	1115	1178	1260	1457	1887	2796
-13.0	0	156	483	834	1118	1182	1260	1440	1834	2658
-15.0	0	156	479	831	1120	1186	1263	1421	1793	2463
-17.0	0	155	474	826	1122	1189	1269	1413	1736	2347
-19.5	0	154	467	819	1123	1213	1282	1397	1674	2185
-22.5	0	152	460	809	1117	1243	1302	1386	1620	2015
-25.5	0	150	452	798	1119	1272	1328	1402	1566	1842
-29.0	0	147	440	776	1116	1295	1373	1435	1516	1689
-33.0	0	143	425	750	1098	1321	1427	1495	1519	1593
-37.5	0	138	405	719	1067	1342	1471	1545	1578	1596
-42.5	0	132	380	682	1017	1334	1486	1564	1624	1662
-47.5	0	126	352	641	961	1280	1455	1573	1632	1684
-55.0	0	114	307	569	860	1092	1252	1403	1508	1601
-65.0	0	90	243	456	701	878	992	1078	1147	1169
-75.0	0	55	177	321	483	584	648	704	741	736
-85.0	0	19	73	163	241	265	278	287	286	273
-90.0	0	0	0	0	1	1	1	1	1	1

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	1	1	1	1	1	1	1	1	1	1
85.0	259	254	250	246	242	242	246	243	241	239
75.0	728	724	722	719	715	714	714	712	709	708
65.0	1186	1196	1224	1247	1263	1278	1290	1301	1310	1318
55.0	1647	1694	1735	1752	1766	1780	1793	1806	1819	1831
47.5	1712	1723	1733	1734	1731	1728	1727	1730	1735	1741
42.5	1678	1676	1670	1663	1658	1653	1646	1642	1639	1636
37.5	1617	1641	1682	1711	1720	1734	1737	1734	1733	1727
33.0	1700	1823	1943	2043	2113	2159	2215	2259	2297	2324
29.0	1932	2182	2480	2732	2907	3155	3328	3436	3554	3701
25.5	2224	2693	3278	3868	4382	4874	5254	5639	5896	6103
22.5	2565	3326	4338	5381	6366	7164	7877	8752	9267	9624
19.5	3019	4136	5668	7260	8767	10513 *	12106 *	14327 *	15807 *	16820 *
17.0	3412	4915	6900	9181	11232 *	14592 *	17719 *	21725 *	25163 *	27440 *
15.0	3767	5508	7952	10653 *	14510 *	18713 *	24450 *	29482 *	35814 *	40457 *
13.0	4079	6042	9007	13216 *	17863 *	24840 *	32457 *	41014 *	48482 *	55552 *
11.0	4317	6456	10106	15417 *	22844 *	31619 *	42468 *	53090 *	63032 *	70871 *
9.0	4563	7021	11673 *	18767 *	26928 *	39117 *	51945 *	65102 *	75320 *	83958 *
7.0	4716	7360	12648 *	21374 *	32024 *	45151 *	60228 *	73494 *	85361 *	91519 *
5.0	4853	7599	13206 *	22970 *	35799 *	50520 *	65728 *	79384 *	88552 *	95326 *
3.0	4881	7688	14283 *	24911 *	38159 *	53882 *	69176 *	82029 *	90573 *	94922 *
1.0	4902	7754	14909 *	26068 *	39109 *	54969 *	70326 *	82512 *	90354 *	94435 *
0.0	4901	7752	15026 *	26284 *	38850 *	54956 *	70056 *	81987 *	89810 *	93808 *
-1.0	4902	7754	14909 *	26068 *	39109 *	54969 *	70326 *	82512 *	90354 *	94435 *
-3.0	4881	7688	14283 *	24911 *	38159 *	53882 *	69176 *	82029 *	90573 *	94922 *
-5.0	4853	7599	13206 *	22970 *	35799 *	50520 *	65728 *	79384 *	88552 *	95326 *
-7.0	4716	7360	12648 *	21374 *	32024 *	45151 *	60228 *	73494 *	85361 *	91519 *
-9.0	4563	7021	11673 *	18767 *	26928 *	39117 *	51945 *	65102 *	75320 *	83958 *
-11.0	4317	6456	10106	15417 *	22844 *	31619 *	42468 *	53090 *	63032 *	70871 *
-13.0	4079	6042	9007	13216 *	17863 *	24840 *	32457 *	41014 *	48482 *	55552 *
-15.0	3767	5508	7952	10653 *	14510 *	18713 *	24450 *	29482 *	35814 *	40457 *
-17.0	3412	4915	6900	9181	11232 *	14592 *	17719 *	21725 *	25163 *	27440 *
-19.5	3019	4136	5668	7260	8767	10513 *	12106 *	14327 *	15807 *	16820 *
-22.5	2565	3326	4338	5381	6366	7164	7877	8752	9267	9624
-25.5	2224	2693	3278	3868	4382	4874	5254	5639	5896	6103
-29.0	1932	2182	2480	2732	2907	3155	3328	3436	3554	3701
-33.0	1700	1823	1943	2043	2113	2159	2215	2259	2297	2324
-37.5	1617	1641	1682	1711	1720	1734	1737	1734	1733	1727
-42.5	1678	1676	1670	1663	1658	1653	1646	1642	1639	1636
-47.5	1712	1723	1733	1734	1731	1728	1727	1730	1735	1741
-55.0	1647	1694	1735	1752	1766	1780	1793	1806	1819	1831
-65.0	1186	1196	1224	1247	1263	1278	1290	1301	1310	1318
-75.0	728	724	722	719	715	714	714	712	709	708
-85.0	259	254	250	246	242	242	246	243	241	239
-90.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	1	1	1	1	1	1	1	1	1	1
85.0	239	238	238	238	239	239	241	243	246	242
75.0	707	707	707	707	707	708	709	712	714	714
65.0	1323	1322	1322	1322	1323	1318	1310	1301	1290	1278

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CANDELA TABULATION - (Cont.)

55.0	1839	1842	1843	1842	1839	1831	1819	1806	1793	1780
47.5	1744	1745	1746	1745	1744	1741	1735	1730	1727	1728
42.5	1632	1633	1633	1633	1632	1636	1639	1642	1646	1653
37.5	1715	1715	1713	1715	1715	1727	1733	1734	1737	1734
33.0	2328	2338	2338	2338	2328	2324	2297	2259	2215	2159
29.0	3768	3847	3879	3847	3768	3701	3554	3436	3328	3155
25.5	6210	6302	6343	6302	6210	6103	5896	5639	5254	4874
22.5	9932	10156	10204	10156	9932	9624	9267	8752	7877	7164
19.5	18087 *	18964 *	19296 *	18964 *	18087 *	16820 *	15807 *	14327 *	12106 *	10513 *
17.0	29871 *	31492 *	31894 *	31492 *	29871 *	27440 *	25163 *	21725 *	17719 *	14592 *
15.0	43669 *	45439 *	45748 *	45439 *	43669 *	40457 *	35814 *	29482 *	24450 *	18713 *
13.0	60745 *	63289 *	63358 *	63289 *	60745 *	55552 *	48482 *	41014 *	32457 *	24840 *
11.0	76561 *	79440 *	79392 *	79440 *	76561 *	70871 *	63032 *	53090 *	42468 *	31619 *
9.0	89160 *	91743 *	91817 *	91743 *	89160 *	83958 *	75320 *	65102 *	51945 *	39117 *
7.0	96912 *	99336 *	99584 *	99336 *	96912 *	91519 *	85361 *	73494 *	60228 *	45151 *
5.0	99013 *	102144 *	102631 *	102144 *	99013 *	95326 *	88552 *	79384 *	65728 *	50520 *
3.0	98368 *	100236 *	100659 *	100236 *	98368 *	94922 *	90573 *	82029 *	69176 *	53882 *
1.0	97106 *	98714 *	99260 *	98714 *	97106 *	94435 *	90354 *	82512 *	70326 *	54969 *
0.0	96643 *	98134 *	98656 *	98134 *	96643 *	93808 *	89810 *	81987 *	70056 *	54956 *
-1.0	97106 *	98714 *	99260 *	98714 *	97106 *	94435 *	90354 *	82512 *	70326 *	54969 *
-3.0	98368 *	100236 *	100659 *	100236 *	98368 *	94922 *	90573 *	82029 *	69176 *	53882 *
-5.0	99013 *	102144 *	102631 *	102144 *	99013 *	95326 *	88552 *	79384 *	65728 *	50520 *
-7.0	96912 *	99336 *	99584 *	99336 *	96912 *	91519 *	85361 *	73494 *	60228 *	45151 *
-9.0	89160 *	91743 *	91817 *	91743 *	89160 *	83958 *	75320 *	65102 *	51945 *	39117 *
-11.0	76561 *	79440 *	79392 *	79440 *	76561 *	70871 *	63032 *	53090 *	42468 *	31619 *
-13.0	60745 *	63289 *	63358 *	63289 *	60745 *	55552 *	48482 *	41014 *	32457 *	24840 *
-15.0	43669 *	45439 *	45748 *	45439 *	43669 *	40457 *	35814 *	29482 *	24450 *	18713 *
-17.0	29871 *	31492 *	31894 *	31492 *	29871 *	27440 *	25163 *	21725 *	17719 *	14592 *
-19.5	18087 *	18964 *	19296 *	18964 *	18087 *	16820 *	15807 *	14327 *	12106 *	10513 *
-22.5	9932	10156	10204	10156	9932	9624	9267	8752	7877	7164
-25.5	6210	6302	6343	6302	6210	6103	5896	5639	5254	4874
-29.0	3768	3847	3879	3847	3768	3701	3554	3436	3328	3155
-33.0	2328	2338	2338	2338	2328	2324	2297	2259	2215	2159
-37.5	1715	1715	1713	1715	1715	1727	1733	1734	1737	1734
-42.5	1632	1633	1633	1633	1632	1636	1639	1642	1646	1653
-47.5	1744	1745	1746	1745	1744	1741	1735	1730	1727	1728
-55.0	1839	1842	1843	1842	1839	1831	1819	1806	1793	1780
-65.0	1323	1322	1322	1322	1323	1318	1310	1301	1290	1278
-75.0	707	707	707	707	707	708	709	712	714	714
-85.0	239	238	238	238	239	239	241	243	246	242
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	242	246	250	254	259	273	286	287	278	265
75.0	715	719	722	724	728	736	741	704	648	584
65.0	1263	1247	1224	1196	1186	1169	1147	1078	992	878
55.0	1766	1752	1735	1694	1647	1601	1508	1403	1252	1092
47.5	1731	1734	1733	1723	1712	1684	1632	1573	1455	1280
42.5	1658	1663	1670	1676	1678	1662	1624	1564	1486	1334
37.5	1720	1711	1682	1641	1617	1596	1578	1545	1471	1342
33.0	2113	2043	1943	1823	1700	1593	1519	1495	1427	1321
29.0	2907	2732	2480	2182	1932	1689	1516	1435	1373	1295
25.5	4382	3868	3278	2693	2224	1842	1566	1402	1328	1272

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CANDELA TABULATION - (Cont.)

22.5	6366	5381	4338	3326	2565	2015	1620	1386	1302	1243
19.5	8767	7260	5668	4136	3019	2185	1674	1397	1282	1213
17.0	11232 *	9181	6900	4915	3412	2347	1736	1413	1269	1189
15.0	14510 *	10653 *	7952	5508	3767	2463	1793	1421	1263	1186
13.0	17863 *	13216 *	9007	6042	4079	2658	1834	1440	1260	1182
11.0	22844 *	15417 *	10106	6456	4317	2796	1887	1457	1260	1178
9.0	26928 *	18767 *	11673 *	7021	4563	2880	1943	1476	1257	1174
7.0	32024 *	21374 *	12648 *	7360	4716	3004	1994	1488	1254	1169
5.0	35799 *	22970 *	13206 *	7599	4853	3119	2027	1495	1248	1165
3.0	38159 *	24911 *	14283 *	7688	4881	3174	2045	1500	1248	1166
1.0	39109 *	26068 *	14909 *	7754	4902	3216	2068	1504	1245	1165
0.0	38850 *	26284 *	15026 *	7752	4901	3221	2073	1502	1243	1164
-1.0	39109 *	26068 *	14909 *	7754	4902	3216	2068	1504	1245	1165
-3.0	38159 *	24911 *	14283 *	7688	4881	3174	2045	1500	1248	1166
-5.0	35799 *	22970 *	13206 *	7599	4853	3119	2027	1495	1248	1165
-7.0	32024 *	21374 *	12648 *	7360	4716	3004	1994	1488	1254	1169
-9.0	26928 *	18767 *	11673 *	7021	4563	2880	1943	1476	1257	1174
-11.0	22844 *	15417 *	10106	6456	4317	2796	1887	1457	1260	1178
-13.0	17863 *	13216 *	9007	6042	4079	2658	1834	1440	1260	1182
-15.0	14510 *	10653 *	7952	5508	3767	2463	1793	1421	1263	1186
-17.0	11232 *	9181	6900	4915	3412	2347	1736	1413	1269	1189
-19.5	8767	7260	5668	4136	3019	2185	1674	1397	1282	1213
-22.5	6366	5381	4338	3326	2565	2015	1620	1386	1302	1243
-25.5	4382	3868	3278	2693	2224	1842	1566	1402	1328	1272
-29.0	2907	2732	2480	2182	1932	1689	1516	1435	1373	1295
-33.0	2113	2043	1943	1823	1700	1593	1519	1495	1427	1321
-37.5	1720	1711	1682	1641	1617	1596	1578	1545	1471	1342
-42.5	1658	1663	1670	1676	1678	1662	1624	1564	1486	1334
-47.5	1731	1734	1733	1723	1712	1684	1632	1573	1455	1280
-55.0	1766	1752	1735	1694	1647	1601	1508	1403	1252	1092
-65.0	1263	1247	1224	1196	1186	1169	1147	1078	992	878
-75.0	715	719	722	724	728	736	741	704	648	584
-85.0	242	246	250	254	259	273	286	287	278	265
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	0	0	0	0
85.0	241	163	73	19	0
75.0	483	321	177	55	0
65.0	701	456	243	90	0
55.0	860	569	307	114	0
47.5	961	641	352	126	0
42.5	1017	682	380	132	0
37.5	1067	719	405	138	0
33.0	1098	750	425	143	0
29.0	1116	776	440	147	0
25.5	1119	798	452	150	0
22.5	1117	809	460	152	0
19.5	1123	819	467	154	0
17.0	1122	826	474	155	0
15.0	1120	831	479	156	0
13.0	1118	834	483	156	0
11.0	1115	836	487	159	0
9.0	1111	840	490	159	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

CANDELA TABULATION - (Cont.)

7.0	1107	843	492	159	0
5.0	1107	845	496	159	0
3.0	1107	847	495	158	0
1.0	1105	846	495	158	0
0.0	1104	845	495	158	0
-1.0	1105	846	495	158	0
-3.0	1107	847	495	158	0
-5.0	1107	845	496	159	0
-7.0	1107	843	492	159	0
-9.0	1111	840	490	159	0
-11.0	1115	836	487	159	0
-13.0	1118	834	483	156	0
-15.0	1120	831	479	156	0
-17.0	1122	826	474	155	0
-19.5	1123	819	467	154	0
-22.5	1117	809	460	152	0
-25.5	1119	798	452	150	0
-29.0	1116	776	440	147	0
-33.0	1098	750	425	143	0
-37.5	1067	719	405	138	0
-42.5	1017	682	380	132	0
-47.5	961	641	352	126	0
-55.0	860	569	307	114	0
-65.0	701	456	243	90	0
-75.0	483	321	177	55	0
-85.0	241	163	73	19	0
-90.0	1	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15312.51

Total Field Lumens (one side of beam only) = 11188.81

* 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	0.18	0.36	0.36	0.37	0.37	0.37	0.36	0.36	0.36	0.45
75	1.44	2.88	2.88	2.87	2.87	2.87	2.85	2.83	2.81	3.50
65	3.09	6.18	6.16	6.13	6.08	6.02	5.95	5.87	5.77	7.07
55	4.82	9.63	9.59	9.51	9.41	9.28	9.15	9.00	8.83	10.77
47.5	4.10	8.18	8.15	8.10	8.02	7.94	7.85	7.76	7.67	9.43
42.5	2.57	5.14	5.13	5.11	5.09	5.06	5.03	5.00	4.97	6.15
37.5	2.55	5.10	5.10	5.10	5.09	5.07	5.04	5.00	4.94	6.08
33	2.78	5.55	5.53	5.51	5.45	5.36	5.26	5.14	5.00	6.00
29	3.78	7.48	7.37	7.20	6.97	6.74	6.47	6.11	5.74	6.65
25.5	5.43	10.72	10.52	10.21	9.78	9.27	8.66	7.92	7.12	7.82
22.5	7.54	14.89	14.53	14.04	13.37	12.38	11.25	10.10	8.78	9.15
19.5	13.39 *	26.09 *	24.82 *	23.41 *	21.79 *	19.38 *	16.83	14.55	12.20	12.28
17	19.35 *	37.45 *	35.03 *	32.27 *	29.04 *	24.70 *	20.46 *	16.66 *	13.34	13.11
15	23.54 *	45.81 *	42.98 *	39.04 *	33.84 *	28.01 *	22.49 *	17.45 *	13.34 *	12.54
13	33.18 *	64.88 *	60.90 *	54.62 *	46.69 *	38.22 *	29.93 *	22.44 *	16.47 *	14.76
11	43.48 *	85.25 *	80.14 *	72.08 *	62.02 *	50.70 *	39.15 *	28.72 *	20.30 *	17.26 *
9	52.15 *	102.56 *	97.40 *	88.81 *	77.38 *	63.78 *	49.21 *	35.62 *	24.58 *	20.24 *
7	58.25 *	114.81 *	109.86 *	101.83 *	90.27 *	75.22 *	58.53 *	42.33 *	29.01 *	23.31 *
5	61.48 *	120.98 *	116.31 *	109.29 *	98.57 *	83.64 *	66.03 *	48.32 *	32.84 *	25.38 *
3	61.78 *	121.69 *	117.78 *	111.90 *	102.72 *	88.89 *	71.30 *	52.72 *	35.67 *	27.25 *
1	60.75 *	120.07 *	116.93 *	112.17 *	104.21 *	91.21 *	74.00 *	55.01 *	37.55 *	28.99 *
0	30.06 *	59.45 *	58.04 *	55.80 *	51.98 *	45.73 *	37.29 *	27.76 *	19.08 *	14.88 *
-1	30.06 *	59.45 *	58.04 *	55.80 *	51.98 *	45.73 *	37.29 *	27.76 *	19.08 *	14.88 *
	60.75 *	120.07 *	116.93 *	112.17 *	104.21 *	91.21 *	74.00 *	55.01 *	37.55 *	28.99 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

-3	61.78 *	121.69 *	117.78 *	111.90 *	102.72 *	88.89 *	71.30 *	52.72 *	35.67 *	27.25 *
-5	61.48 *	120.98 *	116.31 *	109.29 *	98.57 *	83.64 *	66.03 *	48.32 *	32.84 *	25.38 *
-7	58.25 *	114.81 *	109.86 *	101.83 *	90.27 *	75.22 *	58.53 *	42.33 *	29.01 *	23.31 *
-9	52.15 *	102.56 *	97.40 *	88.81 *	77.38 *	63.78 *	49.21 *	35.62 *	24.58 *	20.24 *
-11	43.48 *	85.25 *	80.14 *	72.08 *	62.02 *	50.70 *	39.15 *	28.72 *	20.30 *	17.26 *
-13	33.18 *	64.88 *	60.90 *	54.62 *	46.69 *	38.22 *	29.93 *	22.44 *	16.47 *	14.76
-15	23.54 *	45.81 *	42.98 *	39.04 *	33.84 *	28.01 *	22.49 *	17.45 *	13.34 *	12.54
-17	19.35 *	37.45 *	35.03 *	32.27 *	29.04 *	24.70 *	20.46 *	16.66 *	13.34	13.11
-19.5	13.39 *	26.09 *	24.82 *	23.41 *	21.79 *	19.38 *	16.83	14.55	12.20	12.28
-22.5	7.54	14.89	14.53	14.04	13.37	12.38	11.25	10.10	8.78	9.15
-25.5	5.43	10.72	10.52	10.21	9.78	9.27	8.66	7.92	7.12	7.82
-29	3.78	7.48	7.37	7.20	6.97	6.74	6.47	6.11	5.74	6.65
-33	2.78	5.55	5.53	5.51	5.45	5.36	5.26	5.14	5.00	6.00
-37.5	2.55	5.10	5.10	5.10	5.09	5.07	5.04	5.00	4.94	6.08
-42.5	2.57	5.14	5.13	5.11	5.09	5.06	5.03	5.00	4.97	6.15
-47.5	4.10	8.18	8.15	8.10	8.02	7.94	7.85	7.76	7.67	9.43
-55	4.82	9.63	9.59	9.51	9.41	9.28	9.15	9.00	8.83	10.77
-65	3.09	6.18	6.16	6.13	6.08	6.02	5.95	5.87	5.77	7.07
-75	1.44	2.88	2.88	2.87	2.87	2.87	2.85	2.83	2.81	3.50
-85	0.18	0.36	0.36	0.37	0.37	0.37	0.36	0.36	0.36	0.45
-90										
Total	991.38	1950.28	1871.01	1750.71	1582.00	1359.69	1106.18	853.31	632.75	566.17

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.54	0.54	0.63	0.73	0.80	0.83	0.73	0.91	0.77	0.31
85	4.16	4.10	4.73	5.32	5.65	5.59	4.78	5.62	4.59	1.91
75	8.24	8.00	9.05	9.90	10.27	9.98	8.35	9.45	7.46	3.11
65	12.47	11.94	13.27	14.16	14.37	13.78	11.34	12.61	9.83	4.10
55	11.01	10.61	11.81	12.58	12.83	12.43	10.25	11.23	8.64	3.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

47.5										
	7.25	7.08	7.98	8.62	8.94	8.86	7.48	8.20	6.28	2.67
42.5	7.11	6.90	7.76	8.43	8.83	8.84	7.58	8.50	6.63	2.84
37.5	6.80	6.37	6.94	7.38	7.73	7.79	6.74	7.76	6.22	2.69
33	7.19	6.37	6.55	6.60	6.68	6.68	5.83	6.90	5.69	2.49
29	7.94	6.60	6.37	6.04	5.80	5.65	4.96	6.00	5.07	2.25
25.5	8.72	6.77	6.15	5.52	5.01	4.74	4.15	5.09	4.38	1.97
22.5	11.18	8.17	6.95	5.87	5.10	4.69	4.07	5.03	4.41	1.99
19.5	11.53	8.08	6.49	5.18	4.35	3.91	3.33	4.15	3.70	1.68
17	10.78	7.35	5.68	4.35	3.56	3.13	2.64	3.30	2.97	1.36
15	12.16	8.10	6.14	4.57	3.63	3.14	2.63	3.29	2.97	1.37
13	13.48	8.72	6.56	4.79	3.70	3.16	2.63	3.28	2.97	1.37
11	15.04	9.33	6.90	4.96	3.78	3.18	2.62	3.27	2.97	1.38
9	16.51	9.88	7.18	5.13	3.86	3.19	2.61	3.26	2.97	1.39
7	17.41	10.24	7.44	5.30	3.92	3.20	2.60	3.25	2.97	1.39
5	18.25 *	10.44	7.59	5.41	3.95	3.20	2.60	3.25	2.97	1.40
3	19.04 *	10.53	7.66	5.48	3.98	3.21	2.60	3.25	2.97	1.40
1	9.69 *	5.28	3.85	2.76	2.00	1.60	1.30	1.62	1.48	0.70
0	9.69 *	5.28	3.85	2.76	2.00	1.60	1.30	1.62	1.48	0.70
-1	19.04 *	10.53	7.66	5.48	3.98	3.21	2.60	3.25	2.97	1.40
-3	18.25 *	10.44	7.59	5.41	3.95	3.20	2.60	3.25	2.97	1.40
-5	17.41	10.24	7.44	5.30	3.92	3.20	2.60	3.25	2.97	1.39
-7	16.51	9.88	7.18	5.13	3.86	3.19	2.61	3.26	2.97	1.39
-9	15.04	9.33	6.90	4.96	3.78	3.18	2.62	3.27	2.97	1.38
-11	13.48	8.72	6.56	4.79	3.70	3.16	2.63	3.28	2.97	1.37
-13	12.16	8.10	6.14	4.57	3.63	3.14	2.63	3.29	2.97	1.37
-15	10.78	7.35	5.68	4.35	3.56	3.13	2.64	3.30	2.97	1.36
-17	11.53	8.08	6.49	5.18	4.35	3.91	3.33	4.15	3.70	1.68
-19.5	11.18	8.17	6.95	5.87	5.10	4.69	4.07	5.03	4.41	1.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

-22.5	8.72	6.77	6.15	5.52	5.01	4.74	4.15	5.09	4.38	1.97
-25.5	7.94	6.60	6.37	6.04	5.80	5.65	4.96	6.00	5.07	2.25
-29	7.19	6.37	6.55	6.60	6.68	6.68	5.83	6.90	5.69	2.49
-33	6.80	6.37	6.94	7.38	7.73	7.79	6.74	7.76	6.22	2.69
-37.5	7.11	6.90	7.76	8.43	8.83	8.84	7.58	8.50	6.63	2.84
-42.5	7.25	7.08	7.98	8.62	8.94	8.86	7.48	8.20	6.28	2.67
-47.5	11.01	10.61	11.81	12.58	12.83	12.43	10.25	11.23	8.64	3.65
-55	12.47	11.94	13.27	14.16	14.37	13.78	11.34	12.61	9.83	4.10
-65	8.24	8.00	9.05	9.90	10.27	9.98	8.35	9.45	7.46	3.11
-75	4.16	4.10	4.73	5.32	5.65	5.59	4.78	5.62	4.59	1.91
-85	0.54	0.54	0.63	0.73	0.80	0.83	0.73	0.91	0.77	0.31
-90										
Total	473.00	342.76	307.40	278.17	257.51	241.57	203.66	238.48	197.81	86.80

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.06	0.00		10.40
85				
	0.43	0.01		74.69
75				
	0.75	0.02		142.92
65				
	1.00	0.03		208.89
55				
	0.89	0.03		183.17
47.5				
	0.65	0.02		123.29
42.5				
	0.70	0.02		123.21
37.5				
	0.66	0.02		118.67
33				
	0.61	0.02		126.10
29				
	0.55	0.02		144.69
25.5				
	0.48	0.02		169.02
22.5				
	0.49	0.02		242.71
19.5				
	0.41	0.01		294.24
17				
	0.33	0.01		324.50

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

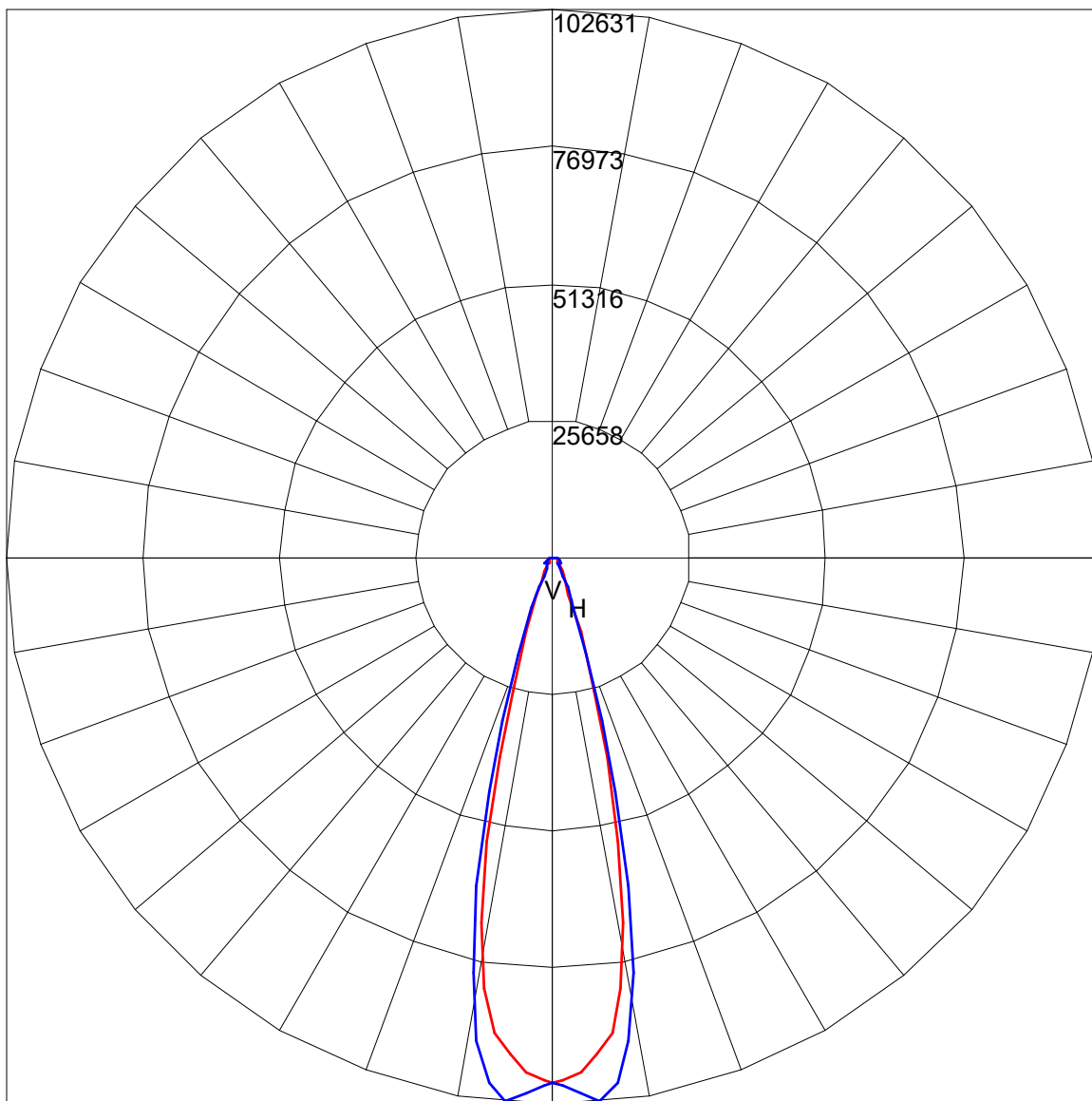
15			
	0.34	0.01	430.44
13			
	0.34	0.01	550.12
11			
	0.34	0.01	665.51
9			
	0.34	0.01	759.76
7			
	0.34	0.01	820.91
5			
	0.35	0.01	851.13
3			
	0.34	0.01	861.34
1			
	0.17	0.01	430.53
0			
	0.17	0.01	430.53
-1			
	0.34	0.01	861.34
-3			
	0.35	0.01	851.13
-5			
	0.34	0.01	820.91
-7			
	0.34	0.01	759.76
-9			
	0.34	0.01	665.51
-11			
	0.34	0.01	550.12
-13			
	0.34	0.01	430.44
-15			
	0.33	0.01	324.50
-17			
	0.41	0.01	294.24
-19.5			
	0.49	0.02	242.71
-22.5			
	0.48	0.02	169.02
-25.5			
	0.55	0.02	144.69
-29			
	0.61	0.02	126.10
-33			
	0.66	0.02	118.67
-37.5			
	0.70	0.02	123.21
-42.5			
	0.65	0.02	123.29
-47.5			
	0.89	0.03	183.17
-55			
	1.00	0.03	208.89
-65			
	0.75	0.02	142.92

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

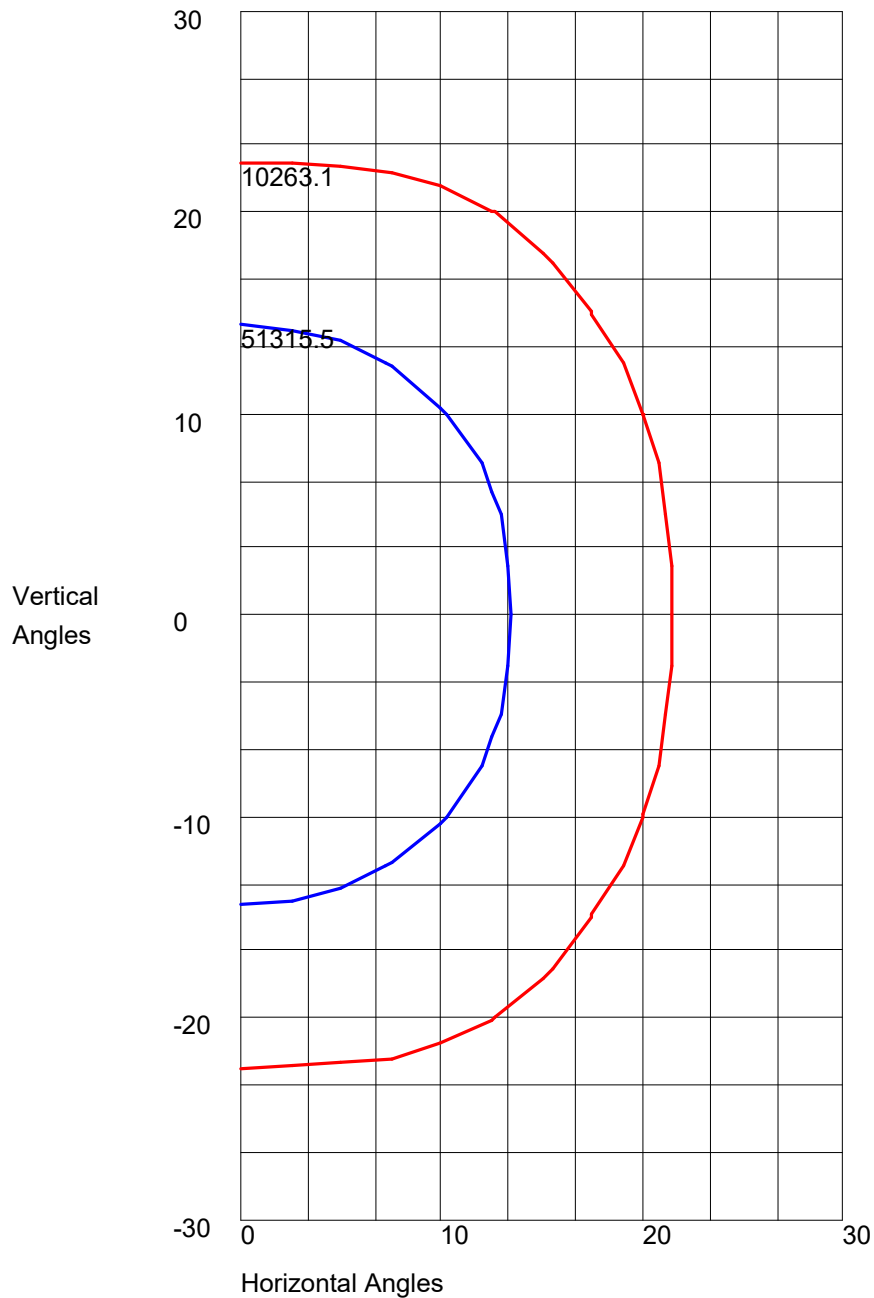
-75	0.43	0.01	74.69
-85	0.06	0.00	10.40
-90			
Total	21.15	0.67	15312.49

AXIAL CANDELA DISPLAY



Maximum Candela = 102631 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 102631 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 51315.5
10% Maximum Candela = 10263.1