



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-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-30L-PC-NF-50-80

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	100051
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	14909
Beam Efficiency	N.A.
Field Lumens	21815
Field Efficiency	N.A.
Spill Lumens	8040
Luminaire Lumens	29855
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	0
85	154	85	232
75	483	75	689
65	824	65	1289
55	1076	55	1797
47.5	1135	47.5	1702
42.5	1212	42.5	1592
37.5	1464	37.5	1670
33	2021	33	2279
29	3140	29	3781
25.5	4778	25.5	6183
22.5	7557	22.5	9947
19.5	14648	19.5	18810
17	25623	17	31092
15	37873	15	44598
13	53574	13	61765
11	68295	11	77396
9	79926	9	89509
7	87552	7	97081
5	91450	5	100051
3	94214	3	98129
1	95668	1	96765
0	96176	0	96176
-1	95668	-1	96765
-3	94214	-3	98129
-5	91450	-5	100051
-7	87552	-7	97081
-9	79926	-9	89509
-11	68295	-11	77396
-13	53574	-13	61765
-15	37873	-15	44598
-17	25623	-17	31092
-19.5	14648	-19.5	18810
-22.5	7557	-22.5	9947
-25.5	4778	-25.5	6183
-29	3140	-29	3781
-33	2021	-33	2279
-37.5	1464	-37.5	1670
-42.5	1212	-42.5	1592
-47.5	1135	-47.5	1702
-55	1076	-55	1797
-65	824	-65	1289
-75	483	-75	689
-85	154	-85	232
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 100051

Beam Edge = 50025.5 Cd (50% of Max.)

Field Edge = 10005.1 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0	0	0	0	1	1	1	1	1	1
85.0	0	18	71	159	235	258	271	280	279	266
75.0	0	54	172	313	471	569	632	687	722	717
65.0	0	87	237	444	683	856	967	1051	1119	1139
55.0	0	111	300	555	838	1065	1221	1368	1470	1561
47.5	0	122	343	625	937	1248	1418	1533	1591	1641
42.5	0	129	370	665	992	1301	1448	1525	1583	1620
37.5	0	135	395	701	1040	1308	1434	1506	1538	1556
33.0	0	139	414	731	1070	1288	1391	1458	1481	1553
29.0	0	143	429	757	1088	1263	1339	1399	1478	1647
25.5	0	146	440	779	1091	1240	1295	1367	1527	1796
22.5	0	148	448	789	1089	1211	1269	1352	1579	1965
19.5	0	150	455	799	1095	1182	1250	1362	1631	2129
17.0	0	151	461	806	1094	1159	1237	1377	1692	2288
15.0	0	152	466	810	1092	1156	1231	1385	1747	2401
13.0	0	153	471	813	1090	1152	1229	1404	1788	2590
11.0	0	155	474	816	1087	1149	1228	1421	1840	2726
9.0	0	155	477	819	1083	1144	1226	1438	1895	2807
7.0	0	155	480	822	1079	1140	1222	1451	1944	2928
5.0	0	155	484	824	1079	1136	1217	1458	1976	3040
3.0	0	154	483	826	1079	1137	1217	1462	1993	3095
1.0	0	154	483	825	1077	1136	1214	1466	2016	3135
0.0	0	154	483	824	1076	1135	1212	1464	2021	3140
-1.0	0	154	483	825	1077	1136	1214	1466	2016	3135
-3.0	0	154	483	826	1079	1137	1217	1462	1993	3095
-5.0	0	155	484	824	1079	1136	1217	1458	1976	3040
-7.0	0	155	480	822	1079	1140	1222	1451	1944	2928
-9.0	0	155	477	819	1083	1144	1226	1438	1895	2807
-11.0	0	155	474	816	1087	1149	1228	1421	1840	2726
-13.0	0	153	471	813	1090	1152	1229	1404	1788	2590
-15.0	0	152	466	810	1092	1156	1231	1385	1747	2401
-17.0	0	151	461	806	1094	1159	1237	1377	1692	2288
-19.5	0	150	455	799	1095	1182	1250	1362	1631	2129
-22.5	0	148	448	789	1089	1211	1269	1352	1579	1965
-25.5	0	146	440	779	1091	1240	1295	1367	1527	1796
-29.0	0	143	429	757	1088	1263	1339	1399	1478	1647
-33.0	0	139	414	731	1070	1288	1391	1458	1481	1553
-37.5	0	135	395	701	1040	1308	1434	1506	1538	1556
-42.5	0	129	370	665	992	1301	1448	1525	1583	1620
-47.5	0	122	343	625	937	1248	1418	1533	1591	1641
-55.0	0	111	300	555	838	1065	1221	1368	1470	1561
-65.0	0	87	237	444	683	856	967	1051	1119	1139
-75.0	0	54	172	313	471	569	632	687	722	717
-85.0	0	18	71	159	235	258	271	280	279	266
-90.0	0	0	0	0	1	1	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	1	1	1	1	1	1	1	1	1	0
85.0	253	248	244	240	237	236	240	237	235	233
75.0	710	706	704	701	697	696	695	694	691	690
65.0	1156	1166	1193	1215	1232	1246	1258	1268	1278	1285
55.0	1606	1652	1692	1708	1722	1735	1748	1761	1773	1785
47.5	1669	1679	1689	1690	1687	1685	1683	1687	1691	1697
42.5	1635	1634	1628	1621	1616	1611	1604	1601	1598	1595
37.5	1576	1600	1640	1668	1677	1690	1694	1690	1690	1683
33.0	1657	1778	1894	1992	2060	2104	2159	2201	2239	2266
29.0	1884	2128	2418	2664	2833	3076	3244	3350	3465	3608
25.5	2167	2625	3195	3771	4272	4751	5122	5497	5748	5950
22.5	2500	3242	4229	5245	6206	6984	7679	8532	9034	9382
19.5	2943	4032	5526	7077	8547	10248 *	11802 *	13967 *	15409 *	16398 *
17.0	3326	4791	6727	8950	10950 *	14225 *	17274 *	21179 *	24530 *	26750 *
15.0	3672	5370	7752	10385 *	14146 *	18243 *	23835 *	28741 *	34914 *	39440 *
13.0	3977	5891	8781	12884 *	17414 *	24216 *	31641 *	39983 *	47264 *	54155 *
11.0	4209	6294	9852	15029 *	22270 *	30824 *	41400 *	51755 *	61447 *	69089 *
9.0	4449	6845	11379 *	18296 *	26251 *	38134 *	50639 *	63465 *	73427 *	81847 *
7.0	4598	7175	12330 *	20837 *	31219 *	44016 *	58713 *	71646 *	83215 *	89218 *
5.0	4731	7407	12874 *	22393 *	34899 *	49250 *	64076 *	77389 *	86326 *	92930 *
3.0	4758	7495	13924 *	24285 *	37200 *	52527 *	67437 *	79967 *	88296 *	92536 *
1.0	4779	7559	14534 *	25413 *	38126 *	53587 *	68559 *	80438 *	88083 *	92060 *
0.0	4778	7557	14648 *	25623 *	37873 *	53574 *	68295 *	79926 *	87552 *	91450 *
-1.0	4779	7559	14534 *	25413 *	38126 *	53587 *	68559 *	80438 *	88083 *	92060 *
-3.0	4758	7495	13924 *	24285 *	37200 *	52527 *	67437 *	79967 *	88296 *	92536 *
-5.0	4731	7407	12874 *	22393 *	34899 *	49250 *	64076 *	77389 *	86326 *	92930 *
-7.0	4598	7175	12330 *	20837 *	31219 *	44016 *	58713 *	71646 *	83215 *	89218 *
-9.0	4449	6845	11379 *	18296 *	26251 *	38134 *	50639 *	63465 *	73427 *	81847 *
-11.0	4209	6294	9852	15029 *	22270 *	30824 *	41400 *	51755 *	61447 *	69089 *
-13.0	3977	5891	8781	12884 *	17414 *	24216 *	31641 *	39983 *	47264 *	54155 *
-15.0	3672	5370	7752	10385 *	14146 *	18243 *	23835 *	28741 *	34914 *	39440 *
-17.0	3326	4791	6727	8950	10950 *	14225 *	17274 *	21179 *	24530 *	26750 *
-19.5	2943	4032	5526	7077	8547	10248 *	11802 *	13967 *	15409 *	16398 *
-22.5	2500	3242	4229	5245	6206	6984	7679	8532	9034	9382
-25.5	2167	2625	3195	3771	4272	4751	5122	5497	5748	5950
-29.0	1884	2128	2418	2664	2833	3076	3244	3350	3465	3608
-33.0	1657	1778	1894	1992	2060	2104	2159	2201	2239	2266
-37.5	1576	1600	1640	1668	1677	1690	1694	1690	1690	1683
-42.5	1635	1634	1628	1621	1616	1611	1604	1601	1598	1595
-47.5	1669	1679	1689	1690	1687	1685	1683	1687	1691	1697
-55.0	1606	1652	1692	1708	1722	1735	1748	1761	1773	1785
-65.0	1156	1166	1193	1215	1232	1246	1258	1268	1278	1285
-75.0	710	706	704	701	697	696	695	694	691	690
-85.0	253	248	244	240	237	236	240	237	235	233
-90.0	1	1	1	1	1	1	1	1	1	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	1	1	1	1
85.0	233	232	232	232	233	233	235	237	240	236
75.0	689	689	689	689	689	690	691	694	695	696
65.0	1290	1289	1289	1289	1290	1285	1278	1268	1258	1246

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CANDELA TABULATION - (Cont.)

55.0	1793	1796	1797	1796	1793	1785	1773	1761	1748	1735
47.5	1700	1701	1702	1701	1700	1697	1691	1687	1683	1685
42.5	1591	1592	1592	1592	1591	1595	1598	1601	1604	1611
37.5	1672	1672	1670	1672	1672	1683	1690	1690	1694	1690
33.0	2270	2279	2279	2279	2270	2266	2239	2201	2159	2104
29.0	3673	3750	3781	3750	3673	3608	3465	3350	3244	3076
25.5	6054	6143	6183	6143	6054	5950	5748	5497	5122	4751
22.5	9683	9901	9947	9901	9683	9382	9034	8532	7679	6984
19.5	17632 *	18487 *	18810 *	18487 *	17632 *	16398 *	15409 *	13967 *	11802 *	10248 *
17.0	29120 *	30700 *	31092 *	30700 *	29120 *	26750 *	24530 *	21179 *	17274 *	14225 *
15.0	42571 *	44297 *	44598 *	44297 *	42571 *	39440 *	34914 *	28741 *	23835 *	18243 *
13.0	59218 *	61698 *	61765 *	61698 *	59218 *	54155 *	47264 *	39983 *	31641 *	24216 *
11.0	74636 *	77443 *	77396 *	77443 *	74636 *	69089 *	61447 *	51755 *	41400 *	30824 *
9.0	86918 *	89437 *	89509 *	89437 *	86918 *	81847 *	73427 *	63465 *	50639 *	38134 *
7.0	94476 *	96839 *	97081 *	96839 *	94476 *	89218 *	83215 *	71646 *	58713 *	44016 *
5.0	96524 *	99577 *	100051 *	99577 *	96524 *	92930 *	86326 *	77389 *	64076 *	49250 *
3.0	95895 *	97716 *	98129 *	97716 *	95895 *	92536 *	88296 *	79967 *	67437 *	52527 *
1.0	94665 *	96233 *	96765 *	96233 *	94665 *	92060 *	88083 *	80438 *	68559 *	53587 *
0.0	94214 *	95668 *	96176 *	95668 *	94214 *	91450 *	87552 *	79926 *	68295 *	53574 *
-1.0	94665 *	96233 *	96765 *	96233 *	94665 *	92060 *	88083 *	80438 *	68559 *	53587 *
-3.0	95895 *	97716 *	98129 *	97716 *	95895 *	92536 *	88296 *	79967 *	67437 *	52527 *
-5.0	96524 *	99577 *	100051 *	99577 *	96524 *	92930 *	86326 *	77389 *	64076 *	49250 *
-7.0	94476 *	96839 *	97081 *	96839 *	94476 *	89218 *	83215 *	71646 *	58713 *	44016 *
-9.0	86918 *	89437 *	89509 *	89437 *	86918 *	81847 *	73427 *	63465 *	50639 *	38134 *
-11.0	74636 *	77443 *	77396 *	77443 *	74636 *	69089 *	61447 *	51755 *	41400 *	30824 *
-13.0	59218 *	61698 *	61765 *	61698 *	59218 *	54155 *	47264 *	39983 *	31641 *	24216 *
-15.0	42571 *	44297 *	44598 *	44297 *	42571 *	39440 *	34914 *	28741 *	23835 *	18243 *
-17.0	29120 *	30700 *	31092 *	30700 *	29120 *	26750 *	24530 *	21179 *	17274 *	14225 *
-19.5	17632 *	18487 *	18810 *	18487 *	17632 *	16398 *	15409 *	13967 *	11802 *	10248 *
-22.5	9683	9901	9947	9901	9683	9382	9034	8532	7679	6984
-25.5	6054	6143	6183	6143	6054	5950	5748	5497	5122	4751
-29.0	3673	3750	3781	3750	3673	3608	3465	3350	3244	3076
-33.0	2270	2279	2279	2279	2270	2266	2239	2201	2159	2104
-37.5	1672	1672	1670	1672	1672	1683	1690	1690	1694	1690
-42.5	1591	1592	1592	1592	1591	1595	1598	1601	1604	1611
-47.5	1700	1701	1702	1701	1700	1697	1691	1687	1683	1685
-55.0	1793	1796	1797	1796	1793	1785	1773	1761	1748	1735
-65.0	1290	1289	1289	1289	1290	1285	1278	1268	1258	1246
-75.0	689	689	689	689	689	690	691	694	695	696
-85.0	233	232	232	232	233	233	235	237	240	236
-90.0	0	0	0	0	0	0	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	237	240	244	248	253	266	279	280	271	258
75.0	697	701	704	706	710	717	722	687	632	569
65.0	1232	1215	1193	1166	1156	1139	1119	1051	967	856
55.0	1722	1708	1692	1652	1606	1561	1470	1368	1221	1065
47.5	1687	1690	1689	1679	1669	1641	1591	1533	1418	1248
42.5	1616	1621	1628	1634	1635	1620	1583	1525	1448	1301
37.5	1677	1668	1640	1600	1576	1556	1538	1506	1434	1308
33.0	2060	1992	1894	1778	1657	1553	1481	1458	1391	1288
29.0	2833	2664	2418	2128	1884	1647	1478	1399	1339	1263
25.5	4272	3771	3195	2625	2167	1796	1527	1367	1295	1240

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CANDELA TABULATION - (Cont.)

22.5	6206	5245	4229	3242	2500	1965	1579	1352	1269	1211
19.5	8547	7077	5526	4032	2943	2129	1631	1362	1250	1182
17.0	10950 *	8950	6727	4791	3326	2288	1692	1377	1237	1159
15.0	14146 *	10385 *	7752	5370	3672	2401	1747	1385	1231	1156
13.0	17414 *	12884 *	8781	5891	3977	2590	1788	1404	1229	1152
11.0	22270 *	15029 *	9852	6294	4209	2726	1840	1421	1228	1149
9.0	26251 *	18296 *	11379 *	6845	4449	2807	1895	1438	1226	1144
7.0	31219 *	20837 *	12330 *	7175	4598	2928	1944	1451	1222	1140
5.0	34899 *	22393 *	12874 *	7407	4731	3040	1976	1458	1217	1136
3.0	37200 *	24285 *	13924 *	7495	4758	3095	1993	1462	1217	1137
1.0	38126 *	25413 *	14534 *	7559	4779	3135	2016	1466	1214	1136
0.0	37873 *	25623 *	14648 *	7557	4778	3140	2021	1464	1212	1135
-1.0	38126 *	25413 *	14534 *	7559	4779	3135	2016	1466	1214	1136
-3.0	37200 *	24285 *	13924 *	7495	4758	3095	1993	1462	1217	1137
-5.0	34899 *	22393 *	12874 *	7407	4731	3040	1976	1458	1217	1136
-7.0	31219 *	20837 *	12330 *	7175	4598	2928	1944	1451	1222	1140
-9.0	26251 *	18296 *	11379 *	6845	4449	2807	1895	1438	1226	1144
-11.0	22270 *	15029 *	9852	6294	4209	2726	1840	1421	1228	1149
-13.0	17414 *	12884 *	8781	5891	3977	2590	1788	1404	1229	1152
-15.0	14146 *	10385 *	7752	5370	3672	2401	1747	1385	1231	1156
-17.0	10950 *	8950	6727	4791	3326	2288	1692	1377	1237	1159
-19.5	8547	7077	5526	4032	2943	2129	1631	1362	1250	1182
-22.5	6206	5245	4229	3242	2500	1965	1579	1352	1269	1211
-25.5	4272	3771	3195	2625	2167	1796	1527	1367	1295	1240
-29.0	2833	2664	2418	2128	1884	1647	1478	1399	1339	1263
-33.0	2060	1992	1894	1778	1657	1553	1481	1458	1391	1288
-37.5	1677	1668	1640	1600	1576	1556	1538	1506	1434	1308
-42.5	1616	1621	1628	1634	1635	1620	1583	1525	1448	1301
-47.5	1687	1690	1689	1679	1669	1641	1591	1533	1418	1248
-55.0	1722	1708	1692	1652	1606	1561	1470	1368	1221	1065
-65.0	1232	1215	1193	1166	1156	1139	1119	1051	967	856
-75.0	697	701	704	706	710	717	722	687	632	569
-85.0	237	240	244	248	253	266	279	280	271	258
-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	235	159	71	18	0
75.0	471	313	172	54	0
65.0	683	444	237	87	0
55.0	838	555	300	111	0
47.5	937	625	343	122	0
42.5	992	665	370	129	0
37.5	1040	701	395	135	0
33.0	1070	731	414	139	0
29.0	1088	757	429	143	0
25.5	1091	779	440	146	0
22.5	1089	789	448	148	0
19.5	1095	799	455	150	0
17.0	1094	806	461	151	0
15.0	1092	810	466	152	0
13.0	1090	813	471	153	0
11.0	1087	816	474	155	0
9.0	1083	819	477	155	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

CANDELA TABULATION - (Cont.)

7.0	1079	822	480	155	0
5.0	1079	824	484	155	0
3.0	1079	826	483	154	0
1.0	1077	825	483	154	0
0.0	1076	824	483	154	0
-1.0	1077	825	483	154	0
-3.0	1079	826	483	154	0
-5.0	1079	824	484	155	0
-7.0	1079	822	480	155	0
-9.0	1083	819	477	155	0
-11.0	1087	816	474	155	0
-13.0	1090	813	471	153	0
-15.0	1092	810	466	152	0
-17.0	1094	806	461	151	0
-19.5	1095	799	455	150	0
-22.5	1089	789	448	148	0
-25.5	1091	779	440	146	0
-29.0	1088	757	429	143	0
-33.0	1070	731	414	139	0
-37.5	1040	701	395	135	0
-42.5	992	665	370	129	0
-47.5	937	625	343	122	0
-55.0	838	555	300	111	0
-65.0	683	444	237	87	0
-75.0	471	313	172	54	0
-85.0	235	159	71	18	0
-90.0	1	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 14927.64

Total Field Lumens (one side of beam only) = 10907.55

* 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	0.35	0.35	0.36	0.36	0.36	0.36	0.35	0.35	0.44
75	1.40	2.81	2.80	2.80	2.80	2.80	2.78	2.76	2.75	3.42
65	3.01	6.02	6.01	5.97	5.93	5.87	5.80	5.72	5.63	6.89
55	4.70	9.39	9.35	9.27	9.17	9.05	8.92	8.77	8.60	10.50
47.5	4.00	7.98	7.95	7.89	7.82	7.74	7.65	7.57	7.47	9.19
42.5	2.51	5.01	5.00	4.98	4.96	4.93	4.90	4.88	4.84	5.99
37.5	2.48	4.97	4.97	4.97	4.96	4.94	4.92	4.87	4.82	5.93
33	2.71	5.41	5.39	5.37	5.31	5.23	5.13	5.01	4.87	5.85
29	3.68	7.29	7.18	7.01	6.79	6.57	6.31	5.95	5.59	6.49
25.5	5.29	10.45	10.25	9.95	9.53	9.04	8.44	7.72	6.94	7.62
22.5	7.35	14.51	14.16	13.68	13.04	12.07	10.97	9.85	8.56	8.92
19.5	13.05 *	25.44 *	24.20 *	22.82 *	21.24 *	18.89 *	16.41	14.18	11.89	11.97
17	18.86 *	36.51 *	34.15 *	31.46 *	28.31 *	24.08 *	19.94 *	16.24 *	13.00	12.78
15	22.95 *	44.65 *	41.90 *	38.06 *	32.99 *	27.31 *	21.92 *	17.01 *	13.01 *	12.23
13	32.34 *	63.25 *	59.37 *	53.25 *	45.52 *	37.26 *	29.18 *	21.88 *	16.05 *	14.39
11	42.39 *	83.10 *	78.12 *	70.27 *	60.46 *	49.43 *	38.16 *	28.00 *	19.79 *	16.83 *
9	50.84 *	99.98 *	94.95 *	86.58 *	75.44 *	62.17 *	47.97 *	34.72 *	23.96 *	19.73 *
7	56.79 *	111.92 *	107.10 *	99.27 *	88.00 *	73.33 *	57.06 *	41.27 *	28.29 *	22.72 *
5	59.94 *	117.94 *	113.38 *	106.54 *	96.09 *	81.54 *	64.37 *	47.11 *	32.02 *	24.75 *
3	60.23 *	118.63 *	114.82 *	109.08 *	100.14 *	86.65 *	69.51 *	51.39 *	34.78 *	26.57 *
1	59.22 *	117.05 *	113.99 *	109.35 *	101.59 *	88.91 *	72.14 *	53.63 *	36.61 *	28.26 *
0	29.31 *	57.96 *	56.58 *	54.40 *	50.67 *	44.58 *	36.35 *	27.07 *	18.60 *	14.50 *
-1	29.31 *	57.96 *	56.58 *	54.40 *	50.67 *	44.58 *	36.35 *	27.07 *	18.60 *	14.50 *
	59.22 *	117.05 *	113.99 *	109.35 *	101.59 *	88.91 *	72.14 *	53.63 *	36.61 *	28.26 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

-3	60.23 *	118.63 *	114.82 *	109.08 *	100.14 *	86.65 *	69.51 *	51.39 *	34.78 *	26.57 *
-5	59.94 *	117.94 *	113.38 *	106.54 *	96.09 *	81.54 *	64.37 *	47.11 *	32.02 *	24.75 *
-7	56.79 *	111.92 *	107.10 *	99.27 *	88.00 *	73.33 *	57.06 *	41.27 *	28.29 *	22.72 *
-9	50.84 *	99.98 *	94.95 *	86.58 *	75.44 *	62.17 *	47.97 *	34.72 *	23.96 *	19.73 *
-11	42.39 *	83.10 *	78.12 *	70.27 *	60.46 *	49.43 *	38.16 *	28.00 *	19.79 *	16.83 *
-13	32.34 *	63.25 *	59.37 *	53.25 *	45.52 *	37.26 *	29.18 *	21.88 *	16.05 *	14.39
-15	22.95 *	44.65 *	41.90 *	38.06 *	32.99 *	27.31 *	21.92 *	17.01 *	13.01 *	12.23
-17	18.86 *	36.51 *	34.15 *	31.46 *	28.31 *	24.08 *	19.94 *	16.24 *	13.00	12.78
-19.5	13.05 *	25.44 *	24.20 *	22.82 *	21.24 *	18.89 *	16.41	14.18	11.89	11.97
-22.5	7.35	14.51	14.16	13.68	13.04	12.07	10.97	9.85	8.56	8.92
-25.5	5.29	10.45	10.25	9.95	9.53	9.04	8.44	7.72	6.94	7.62
-29	3.68	7.29	7.18	7.01	6.79	6.57	6.31	5.95	5.59	6.49
-33	2.71	5.41	5.39	5.37	5.31	5.23	5.13	5.01	4.87	5.85
-37.5	2.48	4.97	4.97	4.97	4.96	4.94	4.92	4.87	4.82	5.93
-42.5	2.51	5.01	5.00	4.98	4.96	4.93	4.90	4.88	4.84	5.99
-47.5	4.00	7.98	7.95	7.89	7.82	7.74	7.65	7.57	7.47	9.19
-55	4.70	9.39	9.35	9.27	9.17	9.05	8.92	8.77	8.60	10.50
-65	3.01	6.02	6.01	5.97	5.93	5.87	5.80	5.72	5.63	6.89
-75	1.40	2.81	2.80	2.80	2.80	2.80	2.78	2.76	2.75	3.42
-85	0.18	0.35	0.35	0.36	0.36	0.36	0.36	0.35	0.35	0.44
-90										
Total	966.46	1901.25	1823.98	1706.7	1542.23	1325.51	1078.36	831.87	616.86	551.94

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.53	0.52	0.62	0.71	0.78	0.81	0.71	0.88	0.75	0.30
85	4.06	4.00	4.61	5.18	5.51	5.45	4.66	5.48	4.48	1.86
75	8.04	7.80	8.82	9.65	10.01	9.73	8.14	9.21	7.27	3.03
65	12.16	11.64	12.94	13.81	14.01	13.43	11.06	12.30	9.58	4.00
55	10.74	10.34	11.51	12.26	12.51	12.12	10.00	10.95	8.43	3.56

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	7.07	6.90	7.78	8.40	8.72	8.64	7.29	8.00	6.12	2.61
42.5	6.93	6.72	7.57	8.22	8.61	8.62	7.39	8.29	6.46	2.77
37.5	6.63	6.21	6.76	7.20	7.53	7.60	6.57	7.57	6.06	2.62
33	7.01	6.22	6.39	6.43	6.51	6.52	5.69	6.73	5.55	2.43
29	7.74	6.43	6.21	5.89	5.65	5.51	4.84	5.85	4.94	2.19
25.5	8.50	6.59	5.99	5.38	4.89	4.62	4.05	4.96	4.28	1.92
22.5	10.90	7.96	6.78	5.72	4.97	4.58	3.97	4.91	4.30	1.94
19.5	11.24	7.87	6.33	5.05	4.24	3.81	3.25	4.05	3.61	1.64
17	10.51	7.16	5.54	4.24	3.47	3.05	2.57	3.22	2.89	1.32
15	11.85	7.89	5.99	4.45	3.54	3.06	2.57	3.21	2.89	1.33
13	13.14	8.50	6.40	4.67	3.61	3.08	2.56	3.20	2.89	1.34
11	14.66	9.10	6.72	4.84	3.69	3.10	2.56	3.19	2.89	1.35
9	16.09	9.63	7.00	5.00	3.76	3.11	2.55	3.18	2.89	1.35
7	16.97	9.98	7.25	5.16	3.82	3.12	2.54	3.17	2.89	1.36
5	17.79 *	10.18	7.40	5.28	3.85	3.12	2.53	3.17	2.90	1.36
3	18.56 *	10.26	7.47	5.35	3.88	3.13	2.53	3.16	2.90	1.36
1	9.45 *	5.15	3.75	2.69	1.95	1.56	1.26	1.58	1.45	0.68
0	9.45 *	5.15	3.75	2.69	1.95	1.56	1.26	1.58	1.45	0.68
-1	18.56 *	10.26	7.47	5.35	3.88	3.13	2.53	3.16	2.90	1.36
-3	17.79 *	10.18	7.40	5.28	3.85	3.12	2.53	3.17	2.90	1.36
-5	16.97	9.98	7.25	5.16	3.82	3.12	2.54	3.17	2.89	1.36
-7	16.09	9.63	7.00	5.00	3.76	3.11	2.55	3.18	2.89	1.35
-9	14.66	9.10	6.72	4.84	3.69	3.10	2.56	3.19	2.89	1.35
-11	13.14	8.50	6.40	4.67	3.61	3.08	2.56	3.20	2.89	1.34
-13	11.85	7.89	5.99	4.45	3.54	3.06	2.57	3.21	2.89	1.33
-15	10.51	7.16	5.54	4.24	3.47	3.05	2.57	3.22	2.89	1.32
-17	11.24	7.87	6.33	5.05	4.24	3.81	3.25	4.05	3.61	1.64
-19.5	10.90	7.96	6.78	5.72	4.97	4.58	3.97	4.91	4.30	1.94

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

-22.5	8.50	6.59	5.99	5.38	4.89	4.62	4.05	4.96	4.28	1.92
-25.5	7.74	6.43	6.21	5.89	5.65	5.51	4.84	5.85	4.94	2.19
-29	7.01	6.22	6.39	6.43	6.51	6.52	5.69	6.73	5.55	2.43
-33	6.63	6.21	6.76	7.20	7.53	7.60	6.57	7.57	6.06	2.62
-37.5	6.93	6.72	7.57	8.22	8.61	8.62	7.39	8.29	6.46	2.77
-42.5	7.07	6.90	7.78	8.40	8.72	8.64	7.29	8.00	6.12	2.61
-47.5	10.74	10.34	11.51	12.26	12.51	12.12	10.00	10.95	8.43	3.56
-55	12.16	11.64	12.94	13.81	14.01	13.43	11.06	12.30	9.58	4.00
-65	8.04	7.80	8.82	9.65	10.01	9.73	8.14	9.21	7.27	3.03
-75	4.06	4.00	4.61	5.18	5.51	5.45	4.66	5.48	4.48	1.86
-85	0.53	0.52	0.62	0.71	0.78	0.81	0.71	0.88	0.75	0.30
-90										
Total	461.13	334.16	299.66	271.17	251.06	235.52	198.55	232.49	192.86	84.62

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.06	0.00		10.14
85				
	0.42	0.01		72.82
75				
	0.73	0.02		139.32
65				
	0.97	0.03		203.66
55				
	0.87	0.03		178.56
47.5				
	0.64	0.02		120.18
42.5				
	0.68	0.02		120.11
37.5				
	0.64	0.02		115.68
33				
	0.59	0.02		122.94
29				
	0.54	0.02		141.06
25.5				
	0.47	0.01		164.77
22.5				
	0.48	0.01		236.61
19.5				
	0.40	0.01		286.84
17				
	0.32	0.01		316.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

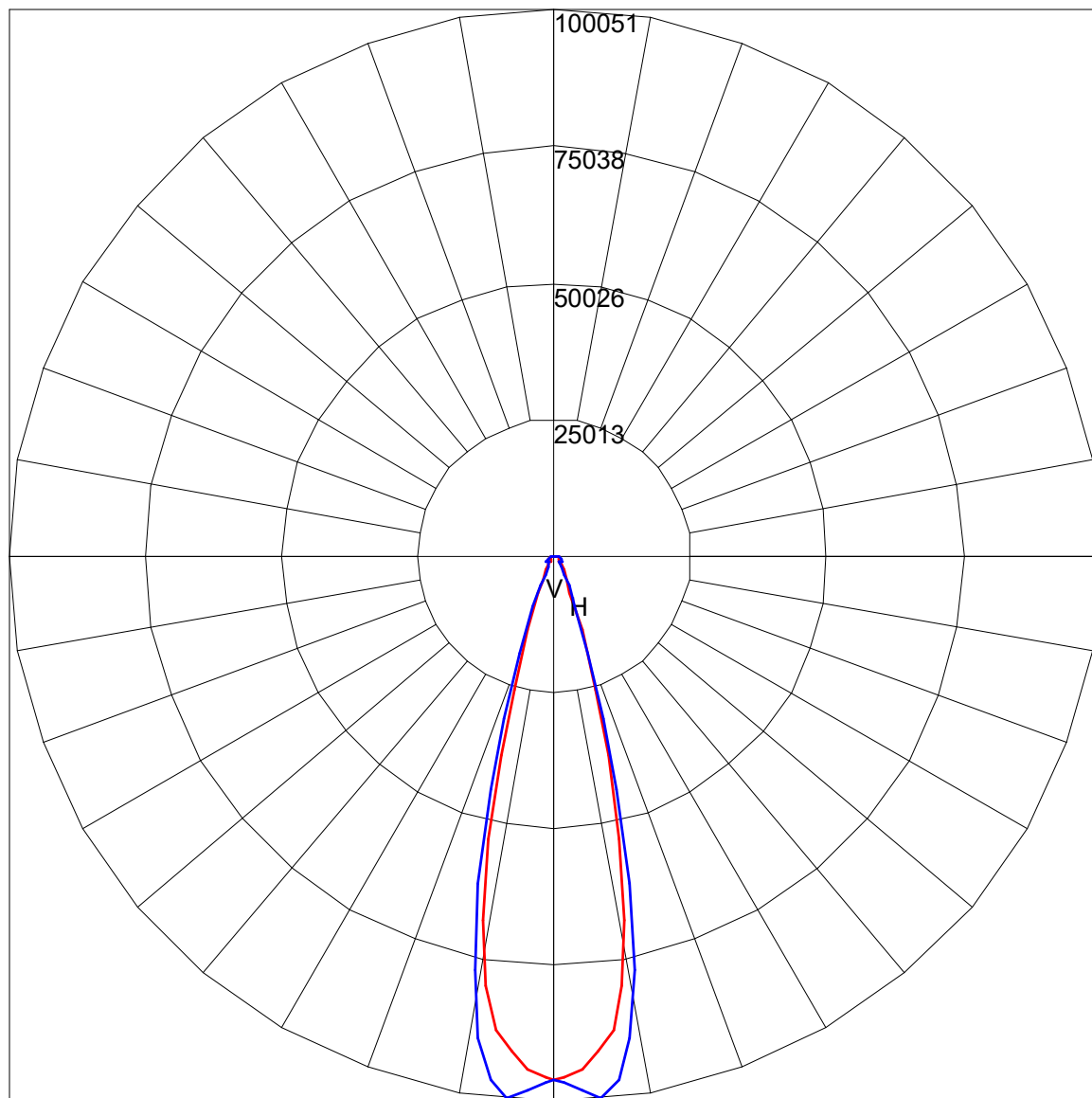
15	0.33	0.01	419.62
13	0.33	0.01	536.29
11	0.33	0.01	648.78
9	0.33	0.01	740.67
7	0.34	0.01	800.28
5	0.34	0.01	829.73
3	0.34	0.01	839.69
1	0.17	0.01	419.71
0	0.17	0.01	419.71
-1	0.34	0.01	839.69
-3	0.34	0.01	829.73
-5	0.34	0.01	800.28
-7	0.33	0.01	740.67
-9	0.33	0.01	648.78
-11	0.33	0.01	536.29
-13	0.33	0.01	419.62
-15	0.32	0.01	316.34
-17	0.40	0.01	286.84
-19.5	0.48	0.01	236.61
-22.5	0.47	0.01	164.77
-25.5	0.54	0.02	141.06
-29	0.59	0.02	122.94
-33	0.64	0.02	115.68
-37.5	0.68	0.02	120.11
-42.5	0.64	0.02	120.18
-47.5	0.87	0.03	178.56
-55	0.97	0.03	203.66
-65	0.73	0.02	139.32

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

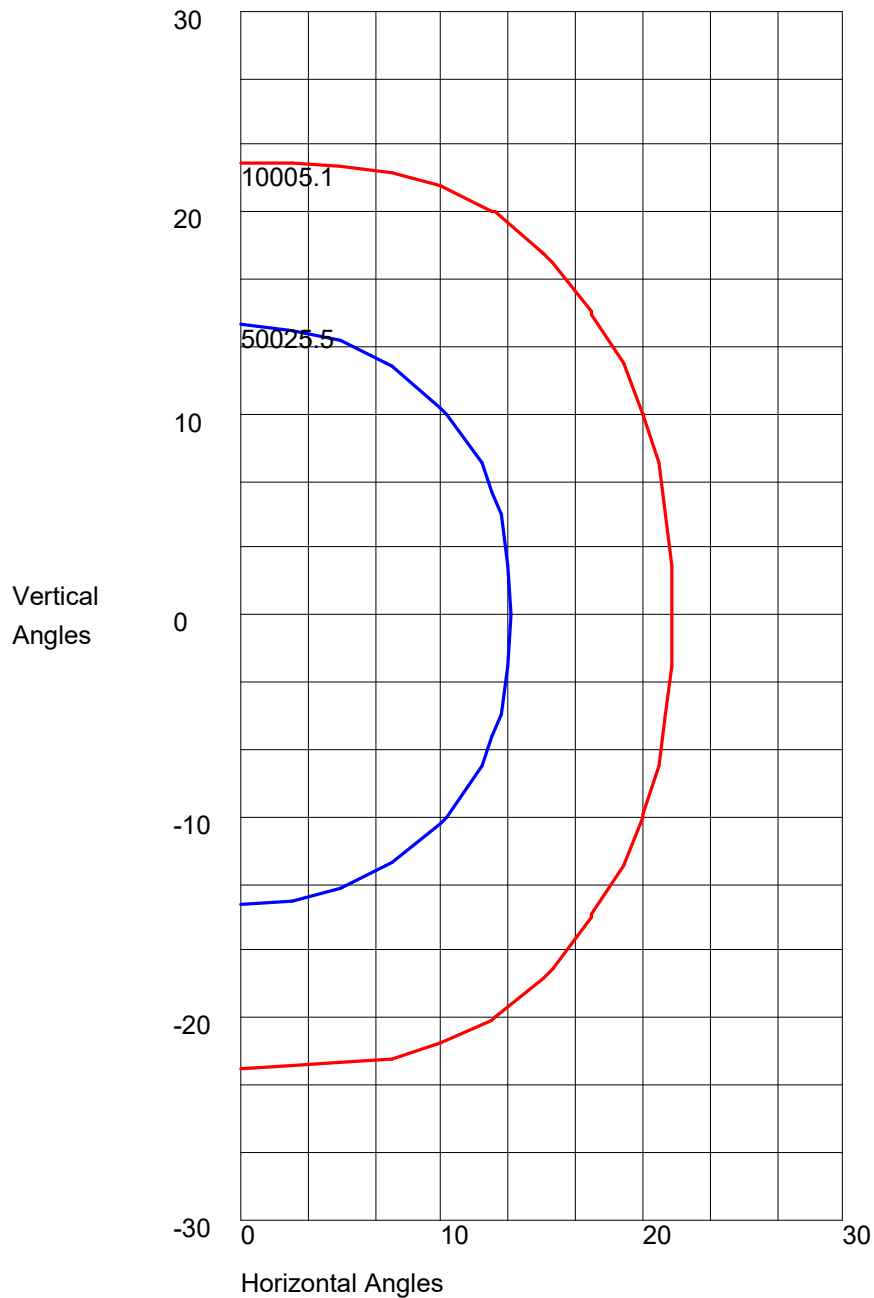
-75	0.42	0.01	72.82
-85	0.06	0.00	10.14
-90			
Total	20.61	0.65	14927.61

AXIAL CANDELA DISPLAY



Maximum Candela = 100051 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 100051 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 50025.5
10% Maximum Candela = 10005.1