



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-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-34L-PC-NF-50-80

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	110857
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	16520
Beam Efficiency	N.A.
Field Lumens	24171
Field Efficiency	N.A.
Spill Lumens	8908
Luminaire Lumens	33079
Total Efficiency	N.A.
Total Luminaire Watts	278
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	1
85	171	85	257
75	534	75	764
65	913	65	1428
55	1192	55	1991
47.5	1258	47.5	1886
42.5	1343	42.5	1764
37.5	1622	37.5	1850
33	2240	33	2525
29	3479	29	4190
25.5	5295	25.5	6851
22.5	8373	22.5	11022
19.5	16231	19.5	20843
17	28391	17	34451
15	41965	15	49415
13	59361	13	68437
11	75672	11	85756
9	88559	9	99176
7	97009	7	107566
5	101327	5	110857
3	104390	3	108727
1	106001	1	107216
0	106564	0	106564
-1	106001	-1	107216
-3	104390	-3	108727
-5	101327	-5	110857
-7	97009	-7	107566
-9	88559	-9	99176
-11	75672	-11	85756
-13	59361	-13	68437
-15	41965	-15	49415
-17	28391	-17	34451
-19.5	16231	-19.5	20843
-22.5	8373	-22.5	11022
-25.5	5295	-25.5	6851
-29	3479	-29	4190
-33	2240	-33	2525
-37.5	1622	-37.5	1850
-42.5	1343	-42.5	1764
-47.5	1258	-47.5	1886
-55	1192	-55	1991
-65	913	-65	1428
-75	534	-75	764
-85	171	-85	257
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 110857

Beam Edge = 55428.5 Cd (50% of Max.)

Field Edge = 11085.7 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	20	79	176	261	286	300	310	309	294
75.0	0	59	191	347	521	631	700	760	800	794
65.0	0	97	262	492	757	948	1070	1164	1239	1262
55.0	0	123	332	615	929	1180	1353	1516	1629	1729
47.5	0	135	380	692	1038	1383	1571	1700	1764	1819
42.5	0	143	410	737	1099	1441	1605	1690	1754	1795
37.5	0	149	437	776	1153	1449	1588	1668	1705	1723
33.0	0	154	459	810	1186	1427	1541	1616	1641	1720
29.0	0	158	475	838	1205	1399	1483	1550	1637	1825
25.5	0	162	488	862	1208	1374	1434	1515	1692	1990
22.5	0	164	496	874	1207	1342	1406	1498	1750	2177
19.5	0	166	504	885	1213	1310	1384	1510	1808	2360
17.0	0	167	511	893	1212	1284	1370	1526	1876	2536
15.0	0	168	516	897	1210	1280	1363	1534	1936	2660
13.0	0	169	521	901	1208	1276	1361	1555	1981	2870
11.0	0	172	525	903	1204	1272	1361	1574	2038	3020
9.0	0	172	528	907	1200	1267	1358	1594	2099	3110
7.0	0	172	531	910	1195	1262	1354	1607	2154	3244
5.0	0	172	535	913	1195	1258	1348	1615	2189	3369
3.0	0	171	534	915	1195	1259	1348	1620	2209	3429
1.0	0	171	534	914	1193	1258	1345	1624	2234	3474
0.0	0	171	534	913	1192	1258	1343	1622	2240	3479
-1.0	0	171	534	914	1193	1258	1345	1624	2234	3474
-3.0	0	171	534	915	1195	1259	1348	1620	2209	3429
-5.0	0	172	535	913	1195	1258	1348	1615	2189	3369
-7.0	0	172	531	910	1195	1262	1354	1607	2154	3244
-9.0	0	172	528	907	1200	1267	1358	1594	2099	3110
-11.0	0	172	525	903	1204	1272	1361	1574	2038	3020
-13.0	0	169	521	901	1208	1276	1361	1555	1981	2870
-15.0	0	168	516	897	1210	1280	1363	1534	1936	2660
-17.0	0	167	511	893	1212	1284	1370	1526	1876	2536
-19.5	0	166	504	885	1213	1310	1384	1510	1808	2360
-22.5	0	164	496	874	1207	1342	1406	1498	1750	2177
-25.5	0	162	488	862	1208	1374	1434	1515	1692	1990
-29.0	0	158	475	838	1205	1399	1483	1550	1637	1825
-33.0	0	154	459	810	1186	1427	1541	1616	1641	1720
-37.5	0	149	437	776	1153	1449	1588	1668	1705	1723
-42.5	0	143	410	737	1099	1441	1605	1690	1754	1795
-47.5	0	135	380	692	1038	1383	1571	1700	1764	1819
-55.0	0	123	332	615	929	1180	1353	1516	1629	1729
-65.0	0	97	262	492	757	948	1070	1164	1239	1262
-75.0	0	59	191	347	521	631	700	760	800	794
-85.0	0	20	79	176	261	286	300	310	309	294
-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	1
85.0	280	274	270	266	262	261	265	263	260	258
75.0	787	783	780	776	772	771	770	768	765	764
65.0	1281	1291	1322	1347	1365	1382	1394	1406	1416	1424
55.0	1779	1829	1874	1893	1908	1923	1937	1951	1965	1978
47.5	1849	1861	1872	1873	1869	1866	1865	1868	1873	1879
42.5	1811	1810	1804	1797	1792	1786	1778	1774	1771	1768
37.5	1746	1773	1817	1848	1857	1872	1876	1872	1872	1865
33.0	1836	1969	2098	2207	2282	2331	2393	2440	2481	2510
29.0	2087	2357	2678	2951	3140	3408	3595	3712	3839	3998
25.5	2402	2909	3540	4178	4733	5264	5675	6090	6368	6592
22.5	2771	3593	4686	5812	6875	7738	8509	9454	10010	10395
19.5	3261	4467	6123	7842	9470	11356 *	13077 *	15476 *	17074 *	18169 *
17.0	3685	5308	7454	9917	12132 *	15762 *	19140 *	23467 *	27180 *	29639 *
15.0	4068	5949	8590	11507 *	15674 *	20213 *	26410 *	31845 *	38685 *	43700 *
13.0	4405	6526	9730	14276 *	19294 *	26831 *	35058 *	44302 *	52369 *	60005 *
11.0	4663	6973	10916	16652 *	24675 *	34154 *	45872 *	57346 *	68084 *	76552 *
9.0	4929	7584	12608 *	20272 *	29087 *	42253 *	56110 *	70320 *	81358 *	90687 *
7.0	5094	7950	13662 *	23087 *	34591 *	48770 *	65056 *	79385 *	92203 *	98855 *
5.0	5242	8208	14264 *	24811 *	38668 *	54569 *	70997 *	85747 *	95650 *	102968 *
3.0	5272	8304	15428 *	26908 *	41217 *	58201 *	74721 *	88604 *	97833 *	102530 *
1.0	5295	8375	16104 *	28158 *	42244 *	59375 *	75964 *	89126 *	97597 *	102004 *
0.0	5295	8373	16231 *	28391 *	41965 *	59361 *	75672 *	88559 *	97009 *	101327 *
-1.0	5295	8375	16104 *	28158 *	42244 *	59375 *	75964 *	89126 *	97597 *	102004 *
-3.0	5272	8304	15428 *	26908 *	41217 *	58201 *	74721 *	88604 *	97833 *	102530 *
-5.0	5242	8208	14264 *	24811 *	38668 *	54569 *	70997 *	85747 *	95650 *	102968 *
-7.0	5094	7950	13662 *	23087 *	34591 *	48770 *	65056 *	79385 *	92203 *	98855 *
-9.0	4929	7584	12608 *	20272 *	29087 *	42253 *	56110 *	70320 *	81358 *	90687 *
-11.0	4663	6973	10916	16652 *	24675 *	34154 *	45872 *	57346 *	68084 *	76552 *
-13.0	4405	6526	9730	14276 *	19294 *	26831 *	35058 *	44302 *	52369 *	60005 *
-15.0	4068	5949	8590	11507 *	15674 *	20213 *	26410 *	31845 *	38685 *	43700 *
-17.0	3685	5308	7454	9917	12132 *	15762 *	19140 *	23467 *	27180 *	29639 *
-19.5	3261	4467	6123	7842	9470	11356 *	13077 *	15476 *	17074 *	18169 *
-22.5	2771	3593	4686	5812	6875	7738	8509	9454	10010	10395
-25.5	2402	2909	3540	4178	4733	5264	5675	6090	6368	6592
-29.0	2087	2357	2678	2951	3140	3408	3595	3712	3839	3998
-33.0	1836	1969	2098	2207	2282	2331	2393	2440	2481	2510
-37.5	1746	1773	1817	1848	1857	1872	1876	1872	1872	1865
-42.5	1811	1810	1804	1797	1792	1786	1778	1774	1771	1768
-47.5	1849	1861	1872	1873	1869	1866	1865	1868	1873	1879
-55.0	1779	1829	1874	1893	1908	1923	1937	1951	1965	1978
-65.0	1281	1291	1322	1347	1365	1382	1394	1406	1416	1424
-75.0	787	783	780	776	772	771	770	768	765	764
-85.0	280	274	270	266	262	261	265	263	260	258
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	258	257	257	257	258	258	260	263	265	261
75.0	763	764	764	764	763	764	765	768	770	771
65.0	1429	1428	1428	1428	1429	1424	1416	1406	1394	1382

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CANDELA TABULATION - (Cont.)

55.0	1987	1990	1991	1990	1987	1978	1965	1951	1937	1923
47.5	1884	1885	1886	1885	1884	1879	1873	1868	1865	1866
42.5	1763	1764	1764	1764	1763	1768	1771	1774	1778	1786
37.5	1853	1852	1850	1852	1853	1865	1872	1872	1876	1872
33.0	2515	2525	2525	2525	2515	2510	2481	2440	2393	2331
29.0	4070	4156	4190	4156	4070	3998	3839	3712	3595	3408
25.5	6707	6807	6851	6807	6707	6592	6368	6090	5675	5264
22.5	10729	10971	11022	10971	10729	10395	10010	9454	8509	7738
19.5	19537 *	20484 *	20843 *	20484 *	19537 *	18169 *	17074 *	15476 *	13077 *	11356 *
17.0	32265 *	34016 *	34451 *	34016 *	32265 *	29639 *	27180 *	23467 *	19140 *	15762 *
15.0	47169 *	49082 *	49415 *	49082 *	47169 *	43700 *	38685 *	31845 *	26410 *	20213 *
13.0	65614 *	68362 *	68437 *	68362 *	65614 *	60005 *	52369 *	44302 *	35058 *	26831 *
11.0	82698 *	85808 *	85756 *	85808 *	82698 *	76552 *	68084 *	57346 *	45872 *	34154 *
9.0	96307 *	99097 *	99176 *	99097 *	96307 *	90687 *	81358 *	70320 *	56110 *	42253 *
7.0	104680 *	107299 *	107566 *	107299 *	104680 *	98855 *	92203 *	79385 *	65056 *	48770 *
5.0	106950 *	110332 *	110857 *	110332 *	106950 *	102968 *	95650 *	85747 *	70997 *	54569 *
3.0	106254 *	108271 *	108727 *	108271 *	106254 *	102530 *	97833 *	88604 *	74721 *	58201 *
1.0	104891 *	106627 *	107216 *	106627 *	104891 *	102004 *	97597 *	89126 *	75964 *	59375 *
0.0	104390 *	106001 *	106564 *	106001 *	104390 *	101327 *	97009 *	88559 *	75672 *	59361 *
-1.0	104891 *	106627 *	107216 *	106627 *	104891 *	102004 *	97597 *	89126 *	75964 *	59375 *
-3.0	106254 *	108271 *	108727 *	108271 *	106254 *	102530 *	97833 *	88604 *	74721 *	58201 *
-5.0	106950 *	110332 *	110857 *	110332 *	106950 *	102968 *	95650 *	85747 *	70997 *	54569 *
-7.0	104680 *	107299 *	107566 *	107299 *	104680 *	98855 *	92203 *	79385 *	65056 *	48770 *
-9.0	96307 *	99097 *	99176 *	99097 *	96307 *	90687 *	81358 *	70320 *	56110 *	42253 *
-11.0	82698 *	85808 *	85756 *	85808 *	82698 *	76552 *	68084 *	57346 *	45872 *	34154 *
-13.0	65614 *	68362 *	68437 *	68362 *	65614 *	60005 *	52369 *	44302 *	35058 *	26831 *
-15.0	47169 *	49082 *	49415 *	49082 *	47169 *	43700 *	38685 *	31845 *	26410 *	20213 *
-17.0	32265 *	34016 *	34451 *	34016 *	32265 *	29639 *	27180 *	23467 *	19140 *	15762 *
-19.5	19537 *	20484 *	20843 *	20484 *	19537 *	18169 *	17074 *	15476 *	13077 *	11356 *
-22.5	10729	10971	11022	10971	10729	10395	10010	9454	8509	7738
-25.5	6707	6807	6851	6807	6707	6592	6368	6090	5675	5264
-29.0	4070	4156	4190	4156	4070	3998	3839	3712	3595	3408
-33.0	2515	2525	2525	2525	2515	2510	2481	2440	2393	2331
-37.5	1853	1852	1850	1852	1853	1865	1872	1872	1876	1872
-42.5	1763	1764	1764	1764	1763	1768	1771	1774	1778	1786
-47.5	1884	1885	1886	1885	1884	1879	1873	1868	1865	1866
-55.0	1987	1990	1991	1990	1987	1978	1965	1951	1937	1923
-65.0	1429	1428	1428	1428	1429	1424	1416	1406	1394	1382
-75.0	763	764	764	764	763	764	765	768	770	771
-85.0	258	257	257	257	258	258	260	263	265	261
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	262	266	270	274	280	294	309	310	300	286
75.0	772	776	780	783	787	794	800	760	700	631
65.0	1365	1347	1322	1291	1281	1262	1239	1164	1070	948
55.0	1908	1893	1874	1829	1779	1729	1629	1516	1353	1180
47.5	1869	1873	1872	1861	1849	1819	1764	1700	1571	1383
42.5	1792	1797	1804	1810	1811	1795	1754	1690	1605	1441
37.5	1857	1848	1817	1773	1746	1723	1705	1668	1588	1449
33.0	2282	2207	2098	1969	1836	1720	1641	1616	1541	1427
29.0	3140	2951	2678	2357	2087	1825	1637	1550	1483	1399
25.5	4733	4178	3540	2909	2402	1990	1692	1515	1434	1374

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CANDELA TABULATION - (Cont.)

22.5	6875	5812	4686	3593	2771	2177	1750	1498	1406	1342
19.5	9470	7842	6123	4467	3261	2360	1808	1510	1384	1310
17.0	12132 *	9917	7454	5308	3685	2536	1876	1526	1370	1284
15.0	15674 *	11507 *	8590	5949	4068	2660	1936	1534	1363	1280
13.0	19294 *	14276 *	9730	6526	4405	2870	1981	1555	1361	1276
11.0	24675 *	16652 *	10916	6973	4663	3020	2038	1574	1361	1272
9.0	29087 *	20272 *	12608 *	7584	4929	3110	2099	1594	1358	1267
7.0	34591 *	23087 *	13662 *	7950	5094	3244	2154	1607	1354	1262
5.0	38668 *	24811 *	14264 *	8208	5242	3369	2189	1615	1348	1258
3.0	41217 *	26908 *	15428 *	8304	5272	3428	2209	1620	1348	1259
1.0	42244 *	28158 *	16104 *	8375	5295	3474	2234	1624	1345	1258
0.0	41965 *	28391 *	16231 *	8373	5295	3479	2240	1622	1343	1258
-1.0	42244 *	28158 *	16104 *	8375	5295	3474	2234	1624	1345	1258
-3.0	41217 *	26908 *	15428 *	8304	5272	3428	2209	1620	1348	1259
-5.0	38668 *	24811 *	14264 *	8208	5242	3369	2189	1615	1348	1258
-7.0	34591 *	23087 *	13662 *	7950	5094	3244	2154	1607	1354	1262
-9.0	29087 *	20272 *	12608 *	7584	4929	3110	2099	1594	1358	1267
-11.0	24675 *	16652 *	10916	6973	4663	3020	2038	1574	1361	1272
-13.0	19294 *	14276 *	9730	6526	4405	2870	1981	1555	1361	1276
-15.0	15674 *	11507 *	8590	5949	4068	2660	1936	1534	1363	1280
-17.0	12132 *	9917	7454	5308	3685	2536	1876	1526	1370	1284
-19.5	9470	7842	6123	4467	3261	2360	1808	1510	1384	1310
-22.5	6875	5812	4686	3593	2771	2177	1750	1498	1406	1342
-25.5	4733	4178	3540	2909	2402	1990	1692	1515	1434	1374
-29.0	3140	2951	2678	2357	2087	1825	1637	1550	1483	1399
-33.0	2282	2207	2098	1969	1836	1720	1641	1616	1541	1427
-37.5	1857	1848	1817	1773	1746	1723	1705	1668	1588	1449
-42.5	1792	1797	1804	1810	1811	1795	1754	1690	1605	1441
-47.5	1869	1873	1872	1861	1849	1819	1764	1700	1571	1383
-55.0	1908	1893	1874	1829	1779	1729	1629	1516	1353	1180
-65.0	1365	1347	1322	1291	1281	1262	1239	1164	1070	948
-75.0	772	776	780	783	787	794	800	760	700	631
-85.0	262	266	270	274	280	294	309	310	300	286
-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	261	176	79	20	0
75.0	521	347	191	59	0
65.0	757	492	262	97	0
55.0	929	615	332	123	0
47.5	1038	692	380	135	0
42.5	1099	737	410	143	0
37.5	1153	776	437	149	0
33.0	1186	810	459	154	0
29.0	1205	838	475	158	0
25.5	1208	862	488	162	0
22.5	1207	874	496	164	0
19.5	1213	885	504	166	0
17.0	1212	893	511	167	0
15.0	1210	897	516	168	0
13.0	1208	901	521	169	0
11.0	1204	903	525	172	0
9.0	1200	907	528	172	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80.IES

CANDELA TABULATION - (Cont.)

7.0	1195	910	531	172	0
5.0	1195	913	535	172	0
3.0	1195	915	534	171	0
1.0	1193	914	534	171	0
0.0	1192	913	534	171	0
-1.0	1193	914	534	171	0
-3.0	1195	915	534	171	0
-5.0	1195	913	535	172	0
-7.0	1195	910	531	172	0
-9.0	1200	907	528	172	0
-11.0	1204	903	525	172	0
-13.0	1208	901	521	169	0
-15.0	1210	897	516	168	0
-17.0	1212	893	511	167	0
-19.5	1213	885	504	166	0
-22.5	1207	874	496	164	0
-25.5	1208	862	488	162	0
-29.0	1205	838	475	158	0
-33.0	1186	810	459	154	0
-37.5	1153	776	437	149	0
-42.5	1099	737	410	143	0
-47.5	1038	692	380	135	0
-55.0	929	615	332	123	0
-65.0	757	492	262	97	0
-75.0	521	347	191	59	0
-85.0	261	176	79	20	0
-90.0	1	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16539.67

Total Field Lumens (one side of beam only) = 12085.7

* 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	0.20	0.39	0.39	0.39	0.40	0.40	0.39	0.39	0.39	0.49
75	1.55	3.11	3.10	3.10	3.10	3.10	3.08	3.05	3.04	3.78
65	3.34	6.67	6.65	6.62	6.57	6.51	6.43	6.34	6.24	7.64
55	5.21	10.40	10.36	10.27	10.16	10.03	9.89	9.72	9.54	11.64
47.5	4.43	8.84	8.81	8.74	8.66	8.57	8.48	8.39	8.28	10.19
42.5	2.78	5.55	5.54	5.52	5.49	5.46	5.43	5.40	5.37	6.64
37.5	2.75	5.50	5.51	5.51	5.50	5.47	5.45	5.40	5.34	6.57
33	3.00	5.99	5.98	5.95	5.88	5.79	5.68	5.55	5.40	6.48
29	4.08	8.08	7.96	7.77	7.52	7.28	6.99	6.60	6.20	7.18
25.5	5.86	11.58	11.36	11.03	10.56	10.01	9.36	8.56	7.69	8.45
22.5	8.14	16.08	15.69	15.16	14.44	13.38	12.15	10.91	9.49	9.88
19.5	14.47 *	28.18 *	26.81 *	25.29 *	23.53 *	20.93 *	18.18	15.71	13.18	13.27
17	20.90 *	40.45 *	37.83 *	34.86 *	31.37 *	26.68 *	22.10 *	18.00 *	14.41	14.16
15	25.43 *	49.48 *	46.42 *	42.17 *	36.55 *	30.26 *	24.29 *	18.85 *	14.41 *	13.55
13	35.84 *	70.08 *	65.78 *	59.00 *	50.43 *	41.28 *	32.33 *	24.24 *	17.79 *	15.95
11	46.96 *	92.08 *	86.56 *	77.86 *	66.99 *	54.77 *	42.28 *	31.02 *	21.93 *	18.65 *
9	56.33 *	110.78 *	105.21 *	95.93 *	83.59 *	68.89 *	53.15 *	38.47 *	26.55 *	21.86 *
7	62.92 *	124.01 *	118.67 *	110.00 *	97.51 *	81.25 *	63.22 *	45.72 *	31.34 *	25.18 *
5	66.41 *	130.67 *	125.63 *	118.05 *	106.47 *	90.35 *	71.33 *	52.19 *	35.48 *	27.42 *
3	66.74 *	131.45 *	127.23 *	120.86 *	110.95 *	96.01 *	77.02 *	56.94 *	38.53 *	29.44 *
1	65.62 *	129.69 *	126.31 *	121.16 *	112.56 *	98.52 *	79.93 *	59.42 *	40.56 *	31.31 *
0	32.47 *	64.22 *	62.69 *	60.27 *	56.15 *	49.39 *	40.28 *	29.99 *	20.61 *	16.07 *
-1	32.47 *	64.22 *	62.69 *	60.27 *	56.15 *	49.39 *	40.28 *	29.99 *	20.61 *	16.07 *
	65.62 *	129.69 *	126.31 *	121.16 *	112.56 *	98.52 *	79.93 *	59.42 *	40.56 *	31.31 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	66.74 *	131.45 *	127.23 *	120.86 *	110.95 *	96.01 *	77.02 *	56.94 *	38.53 *	29.44 *
-5	66.41 *	130.67 *	125.63 *	118.05 *	106.47 *	90.35 *	71.33 *	52.19 *	35.48 *	27.42 *
-7	62.92 *	124.01 *	118.67 *	110.00 *	97.51 *	81.25 *	63.22 *	45.72 *	31.34 *	25.18 *
-9	56.33 *	110.78 *	105.21 *	95.93 *	83.59 *	68.89 *	53.15 *	38.47 *	26.55 *	21.86 *
-11	46.96 *	92.08 *	86.56 *	77.86 *	66.99 *	54.77 *	42.28 *	31.02 *	21.93 *	18.65 *
-13	35.84 *	70.08 *	65.78 *	59.00 *	50.43 *	41.28 *	32.33 *	24.24 *	17.79 *	15.95
-15	25.43 *	49.48 *	46.42 *	42.17 *	36.55 *	30.26 *	24.29 *	18.85 *	14.41 *	13.55
-17	20.90 *	40.45 *	37.83 *	34.86 *	31.37 *	26.68 *	22.10 *	18.00 *	14.41	14.16
-19.5	14.47 *	28.18 *	26.81 *	25.29 *	23.53 *	20.93 *	18.18	15.71	13.18	13.27
-22.5	8.14	16.08	15.69	15.16	14.44	13.38	12.15	10.91	9.49	9.88
-25.5	5.86	11.58	11.36	11.03	10.56	10.01	9.36	8.56	7.69	8.45
-29	4.08	8.08	7.96	7.77	7.52	7.28	6.99	6.60	6.20	7.18
-33	3.00	5.99	5.98	5.95	5.88	5.79	5.68	5.55	5.40	6.48
-37.5	2.75	5.50	5.51	5.51	5.50	5.47	5.45	5.40	5.34	6.57
-42.5	2.78	5.55	5.54	5.52	5.49	5.46	5.43	5.40	5.37	6.64
-47.5	4.43	8.84	8.81	8.74	8.66	8.57	8.48	8.39	8.28	10.19
-55	5.21	10.40	10.36	10.27	10.16	10.03	9.89	9.72	9.54	11.64
-65	3.34	6.67	6.65	6.62	6.57	6.51	6.43	6.34	6.24	7.64
-75	1.55	3.11	3.10	3.10	3.10	3.10	3.08	3.05	3.04	3.78
-85	0.20	0.39	0.39	0.39	0.40	0.40	0.39	0.39	0.39	0.49
-90										
Total	1070.85	2106.62	2020.99	1891.03	1708.8	1468.68	1194.85	921.72	683.48	611.56

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.58	0.58	0.68	0.79	0.87	0.89	0.79	0.98	0.83	0.33
85	4.49	4.43	5.11	5.74	6.10	6.04	5.16	6.07	4.96	2.06
75	8.91	8.64	9.77	10.69	11.09	10.77	9.01	10.21	8.05	3.36
65	13.47	12.90	14.34	15.30	15.52	14.88	12.25	13.63	10.62	4.42
55	11.89	11.45	12.75	13.59	13.87	13.43	11.08	12.14	9.34	3.94

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	7.83	7.65	8.62	9.31	9.66	9.57	8.07	8.86	6.78	2.89
42.5										
	7.68	7.45	8.38	9.11	9.54	9.55	8.19	9.18	7.16	3.07
37.5										
	7.35	6.88	7.49	7.98	8.35	8.42	7.27	8.38	6.72	2.91
33										
	7.76	6.89	7.08	7.12	7.21	7.22	6.30	7.46	6.14	2.69
29										
	8.57	7.13	6.89	6.53	6.26	6.11	5.36	6.48	5.47	2.42
25.5										
	9.42	7.31	6.64	5.96	5.42	5.12	4.49	5.50	4.74	2.12
22.5										
	12.07	8.82	7.51	6.34	5.51	5.07	4.39	5.44	4.77	2.15
19.5										
	12.45	8.72	7.01	5.60	4.70	4.22	3.60	4.48	4.00	1.82
17										
	11.64	7.93	6.14	4.70	3.85	3.38	2.85	3.56	3.20	1.47
15										
	13.13	8.74	6.64	4.93	3.92	3.39	2.84	3.55	3.21	1.47
13										
	14.56	9.42	7.09	5.17	4.00	3.41	2.84	3.54	3.21	1.48
11										
	16.24	10.08	7.45	5.36	4.09	3.43	2.83	3.53	3.21	1.49
9										
	17.83	10.67	7.76	5.54	4.17	3.45	2.82	3.52	3.20	1.50
7										
	18.80	11.06	8.03	5.72	4.23	3.45	2.81	3.51	3.20	1.50
5										
	19.71 *	11.28	8.20	5.85	4.27	3.46	2.81	3.51	3.21	1.51
3										
	20.56 *	11.37	8.28	5.92	4.30	3.46	2.80	3.50	3.21	1.51
1										
	10.47 *	5.71	4.16	2.98	2.16	1.73	1.40	1.75	1.60	0.75
0										
	10.47 *	5.71	4.16	2.98	2.16	1.73	1.40	1.75	1.60	0.75
-1										
	20.56 *	11.37	8.28	5.92	4.30	3.46	2.80	3.50	3.21	1.51
-3										
	19.71 *	11.28	8.20	5.85	4.27	3.46	2.81	3.51	3.21	1.51
-5										
	18.80	11.06	8.03	5.72	4.23	3.45	2.81	3.51	3.20	1.50
-7										
	17.83	10.67	7.76	5.54	4.17	3.45	2.82	3.52	3.20	1.50
-9										
	16.24	10.08	7.45	5.36	4.09	3.43	2.83	3.53	3.21	1.49
-11										
	14.56	9.42	7.09	5.17	4.00	3.41	2.84	3.54	3.21	1.48
-13										
	13.13	8.74	6.64	4.93	3.92	3.39	2.84	3.55	3.21	1.47
-15										
	11.64	7.93	6.14	4.70	3.85	3.38	2.85	3.56	3.20	1.47
-17										
	12.45	8.72	7.01	5.60	4.70	4.22	3.60	4.48	4.00	1.82
-19.5										
	12.07	8.82	7.51	6.34	5.51	5.07	4.39	5.44	4.77	2.15

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

-22.5	9.42	7.31	6.64	5.96	5.42	5.12	4.49	5.50	4.74	2.12
-25.5	8.57	7.13	6.89	6.53	6.26	6.11	5.36	6.48	5.47	2.42
-29	7.76	6.89	7.08	7.12	7.21	7.22	6.30	7.46	6.14	2.69
-33	7.35	6.88	7.49	7.98	8.35	8.42	7.27	8.38	6.72	2.91
-37.5	7.68	7.45	8.38	9.11	9.54	9.55	8.19	9.18	7.16	3.07
-42.5	7.83	7.65	8.62	9.31	9.66	9.57	8.07	8.86	6.78	2.89
-47.5	11.89	11.45	12.75	13.59	13.87	13.43	11.08	12.14	9.34	3.94
-55	13.47	12.90	14.34	15.30	15.52	14.88	12.25	13.63	10.62	4.42
-65	8.91	8.64	9.77	10.69	11.09	10.77	9.01	10.21	8.05	3.36
-75	4.49	4.43	5.11	5.74	6.10	6.04	5.16	6.07	4.96	2.06
-85	0.58	0.58	0.68	0.79	0.87	0.89	0.79	0.98	0.83	0.33
-90										
Total	510.90	370.22	332.00	300.44	278.17	260.91	219.94	257.57	213.65	93.73

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.07	0.00		11.23
85				
	0.46	0.01		80.65
75				
	0.80	0.03		154.34
65				
	1.08	0.04		225.65
55				
	0.96	0.03		197.86
47.5				
	0.71	0.02		133.17
42.5				
	0.75	0.02		133.08
37.5				
	0.71	0.02		128.17
33				
	0.66	0.02		136.21
29				
	0.59	0.02		156.28
25.5				
	0.52	0.02		182.57
22.5				
	0.53	0.02		262.17
19.5				
	0.45	0.01		317.83
17				
	0.36	0.01		350.50

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

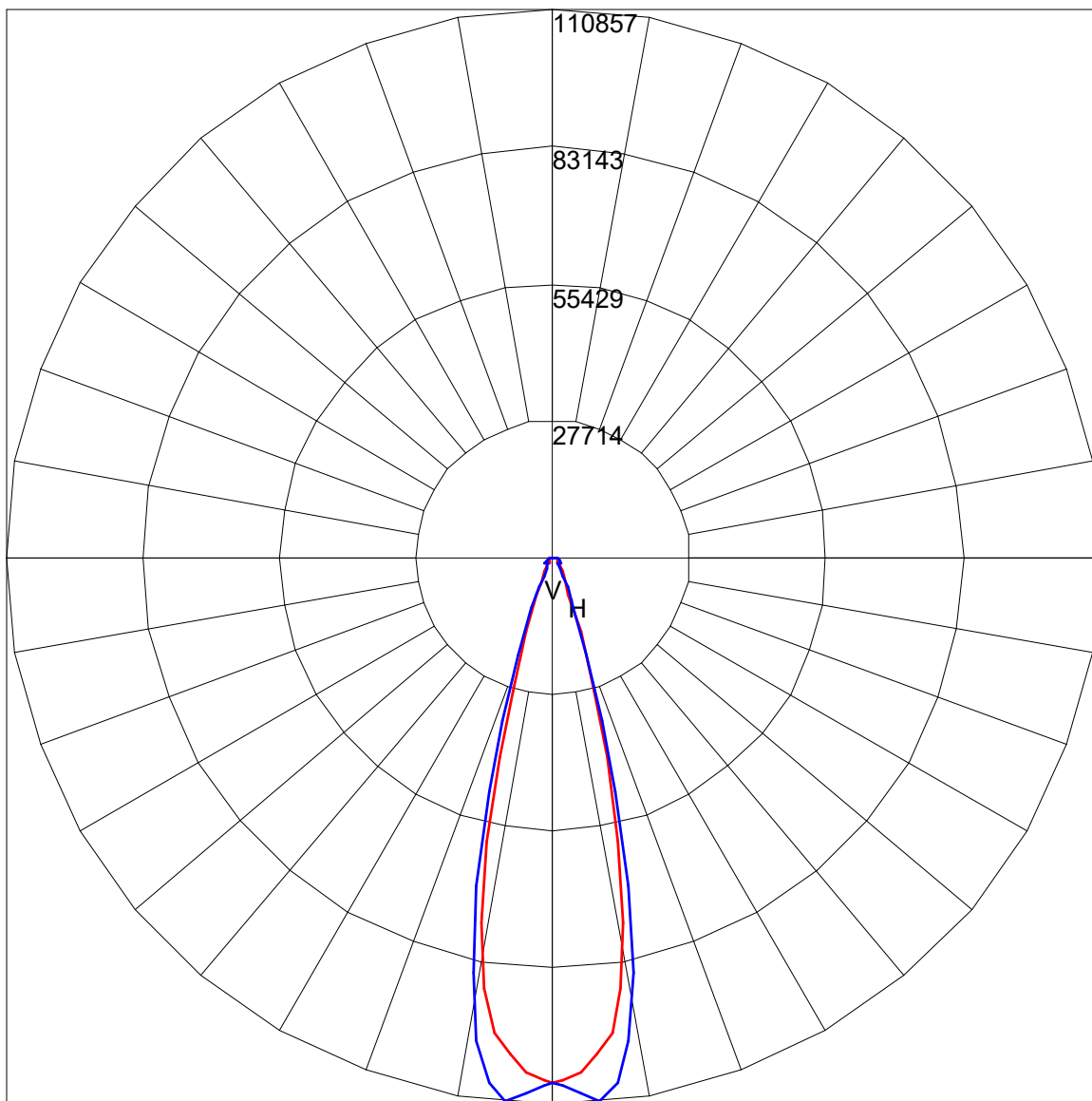
15	0.36	0.01	464.93
13	0.37	0.01	594.21
11	0.37	0.01	718.85
9	0.37	0.01	820.66
7	0.37	0.01	886.71
5	0.37	0.01	919.35
3	0.37	0.01	930.38
1	0.19	0.01	465.04
0	0.19	0.01	465.04
-1	0.37	0.01	930.38
-3	0.37	0.01	919.35
-5	0.37	0.01	886.71
-7	0.37	0.01	820.66
-9	0.37	0.01	718.85
-11	0.37	0.01	594.21
-13	0.36	0.01	464.93
-15	0.36	0.01	350.50
-17	0.45	0.01	317.83
-19.5	0.53	0.02	262.17
-22.5	0.52	0.02	182.57
-25.5	0.59	0.02	156.28
-29	0.66	0.02	136.21
-33	0.71	0.02	128.17
-37.5	0.75	0.02	133.08
-42.5	0.71	0.02	133.17
-47.5	0.96	0.03	197.86
-55	1.08	0.04	225.65
-65	0.80	0.03	154.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-50-80.IES

LUMENS TABULATION - (Cont.)

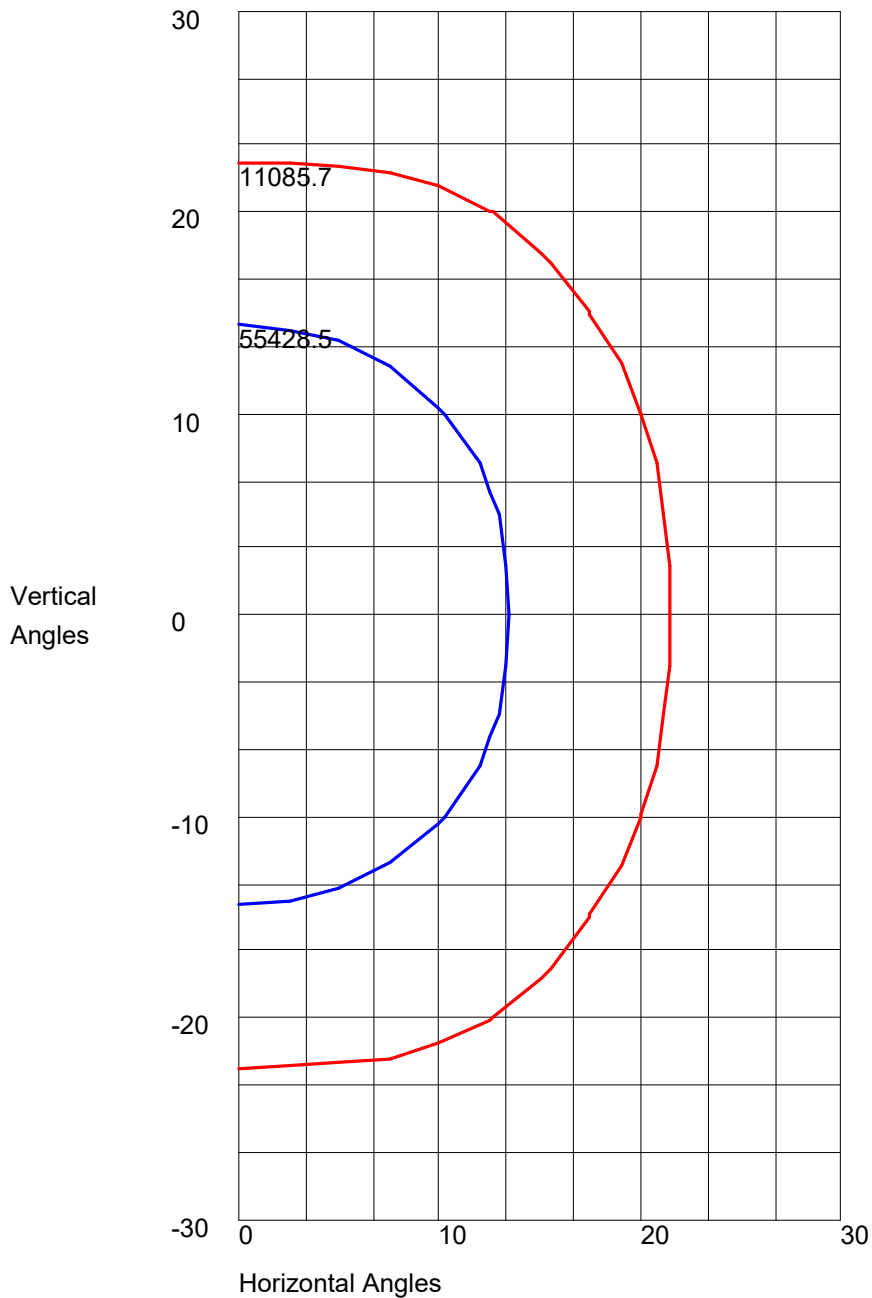
-75	0.46	0.01	80.65
-85	0.07	0.00	11.23
-90			
Total	22.82	0.72	16539.65

AXIAL CANDELA DISPLAY



Maximum Candela = 110857 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 110857 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 55428.5
10% Maximum Candela = 11085.7