



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-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-34L-PC-NF-40-80

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

CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	113716
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	16946
Beam Efficiency	N.A.
Field Lumens	24795
Field Efficiency	N.A.
Spill Lumens	9138
Luminaire Lumens	33933
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	175	85	264
75	548	75	784
65	937	65	1465
55	1223	55	2042
47.5	1290	47.5	1935
42.5	1378	42.5	1809
37.5	1664	37.5	1898
33	2297	33	2590
29	3568	29	4298
25.5	5431	25.5	7028
22.5	8589	22.5	11306
19.5	16649	19.5	21380
17	29124	17	35339
15	43047	15	50689
13	60892	13	70201
11	77623	11	87968
9	90843	9	101734
7	99510	7	110340
5	103940	5	113716
3	107082	3	111531
1	108734	1	109981
0	109312	0	109312
-1	108734	-1	109981
-3	107082	-3	111531
-5	103940	-5	113716
-7	99510	-7	110340
-9	90843	-9	101734
-11	77623	-11	87968
-13	60892	-13	70201
-15	43047	-15	50689
-17	29124	-17	35339
-19.5	16649	-19.5	21380
-22.5	8589	-22.5	11306
-25.5	5431	-25.5	7028
-29	3568	-29	4298
-33	2297	-33	2590
-37.5	1664	-37.5	1898
-42.5	1378	-42.5	1809
-47.5	1290	-47.5	1935
-55	1223	-55	2042
-65	937	-65	1465
-75	548	-75	784
-85	175	-85	264
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 113716

Beam Edge = 56858 Cd (50% of Max.)

Field Edge = 11371.6 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	21	81	180	267	293	308	318	317	302
75.0	0	61	196	356	535	647	718	780	820	815
65.0	0	99	269	505	777	973	1098	1194	1271	1295
55.0	0	126	340	630	953	1210	1388	1555	1670	1774
47.5	0	139	389	710	1065	1419	1612	1743	1809	1866
42.5	0	146	421	756	1127	1478	1646	1733	1800	1841
37.5	0	153	448	796	1183	1487	1629	1711	1748	1768
33.0	0	158	470	830	1216	1464	1580	1657	1683	1765
29.0	0	163	487	860	1236	1435	1522	1590	1680	1872
25.5	0	166	500	884	1239	1409	1471	1554	1735	2041
22.5	0	168	509	896	1237	1377	1442	1537	1795	2233
19.5	0	170	517	908	1244	1344	1420	1548	1855	2421
17.0	0	172	524	916	1243	1317	1406	1565	1924	2601
15.0	0	173	530	920	1241	1313	1399	1574	1986	2729
13.0	0	173	534	924	1239	1310	1396	1595	2032	2944
11.0	0	176	539	926	1235	1305	1396	1614	2091	3098
9.0	0	176	542	931	1231	1301	1393	1635	2153	3191
7.0	0	176	545	934	1226	1295	1389	1649	2209	3328
5.0	0	176	549	937	1226	1291	1383	1657	2246	3456
3.0	0	175	548	939	1226	1292	1383	1662	2266	3517
1.0	0	175	548	938	1224	1291	1380	1666	2291	3564
0.0	0	175	548	937	1223	1290	1378	1664	2297	3568
-1.0	0	175	548	938	1224	1291	1380	1666	2291	3564
-3.0	0	175	548	939	1226	1292	1383	1662	2266	3517
-5.0	0	176	549	937	1226	1291	1383	1657	2246	3456
-7.0	0	176	545	934	1226	1295	1389	1649	2209	3328
-9.0	0	176	542	931	1231	1301	1393	1635	2153	3191
-11.0	0	176	539	926	1235	1305	1396	1614	2091	3098
-13.0	0	173	534	924	1239	1310	1396	1595	2032	2944
-15.0	0	173	530	920	1241	1313	1399	1574	1986	2729
-17.0	0	172	524	916	1243	1317	1406	1565	1924	2601
-19.5	0	170	517	908	1244	1344	1420	1548	1855	2421
-22.5	0	168	509	896	1237	1377	1442	1537	1795	2233
-25.5	0	166	500	884	1239	1409	1471	1554	1735	2041
-29.0	0	163	487	860	1236	1435	1522	1590	1680	1872
-33.0	0	158	470	830	1216	1464	1580	1657	1683	1765
-37.5	0	153	448	796	1183	1487	1629	1711	1748	1768
-42.5	0	146	421	756	1127	1478	1646	1733	1800	1841
-47.5	0	139	389	710	1065	1419	1612	1743	1809	1866
-55.0	0	126	340	630	953	1210	1388	1555	1670	1774
-65.0	0	99	269	505	777	973	1098	1194	1271	1295
-75.0	0	61	196	356	535	647	718	780	820	815
-85.0	0	21	81	180	267	293	308	318	317	302
-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	287	281	277	273	269	268	272	270	267	265
75.0	807	803	800	797	792	791	790	788	785	784
65.0	1314	1325	1356	1381	1400	1417	1430	1442	1452	1461
55.0	1825	1877	1922	1941	1957	1972	1987	2001	2015	2029
47.5	1897	1909	1920	1921	1918	1915	1913	1917	1922	1928
42.5	1858	1857	1851	1843	1837	1832	1824	1819	1816	1813
37.5	1791	1819	1864	1896	1905	1921	1925	1921	1920	1913
33.0	1883	2020	2152	2264	2342	2392	2455	2503	2545	2575
29.0	2141	2418	2747	3027	3221	3496	3688	3807	3938	4101
25.5	2463	2984	3632	4286	4855	5400	5822	6248	6533	6762
22.5	2842	3685	4807	5962	7053	7938	8729	9698	10268	10663
19.5	3345	4582	6281	8044	9714	11649 *	13414 *	15875 *	17514 *	18638 *
17.0	3780	5446	7646	10172	12445 *	16168 *	19634 *	24072 *	27881 *	30403 *
15.0	4173	6103	8811	11804 *	16078 *	20734 *	27091 *	32667 *	39683 *	44827 *
13.0	4519	6695	9980	14644 *	19792 *	27523 *	35963 *	45445 *	53720 *	61552 *
11.0	4783	7153	11198	17082 *	25311 *	35035 *	47055 *	58825 *	69840 *	78526 *
9.0	5056	7780	12933 *	20794 *	29837 *	43343 *	57556 *	72134 *	83456 *	93026 *
7.0	5226	8155	14014 *	23683 *	35483 *	50028 *	66733 *	81432 *	94581 *	101404 *
5.0	5378	8419	14633 *	25452 *	39665 *	55977 *	72828 *	87959 *	98117 *	105623 *
3.0	5408	8518	15826 *	27602 *	42280 *	59702 *	76648 *	90889 *	100356 *	105174 *
1.0	5432	8591	16519 *	28884 *	43333 *	60906 *	77923 *	91425 *	100114 *	104635 *
0.0	5431	8589	16649 *	29124 *	43047 *	60892 *	77623 *	90843 *	99510 *	103940 *
-1.0	5432	8591	16519 *	28884 *	43333 *	60906 *	77923 *	91425 *	100114 *	104635 *
-3.0	5408	8518	15826 *	27602 *	42280 *	59702 *	76648 *	90889 *	100356 *	105174 *
-5.0	5378	8419	14633 *	25452 *	39665 *	55977 *	72828 *	87959 *	98117 *	105623 *
-7.0	5226	8155	14014 *	23683 *	35483 *	50028 *	66733 *	81432 *	94581 *	101404 *
-9.0	5056	7780	12933 *	20794 *	29837 *	43343 *	57556 *	72134 *	83456 *	93026 *
-11.0	4783	7153	11198	17082 *	25311 *	35035 *	47055 *	58825 *	69840 *	78526 *
-13.0	4519	6695	9980	14644 *	19792 *	27523 *	35963 *	45445 *	53720 *	61552 *
-15.0	4173	6103	8811	11804 *	16078 *	20734 *	27091 *	32667 *	39683 *	44827 *
-17.0	3780	5446	7646	10172	12445 *	16168 *	19634 *	24072 *	27881 *	30403 *
-19.5	3345	4582	6281	8044	9714	11649 *	13414 *	15875 *	17514 *	18638 *
-22.5	2842	3685	4807	5962	7053	7938	8729	9698	10268	10663
-25.5	2463	2984	3632	4286	4855	5400	5822	6248	6533	6762
-29.0	2141	2418	2747	3027	3221	3496	3688	3807	3938	4101
-33.0	1883	2020	2152	2264	2342	2392	2455	2503	2545	2575
-37.5	1791	1819	1864	1896	1905	1921	1925	1921	1920	1913
-42.5	1858	1857	1851	1843	1837	1832	1824	1819	1816	1813
-47.5	1897	1909	1920	1921	1918	1915	1913	1917	1922	1928
-55.0	1825	1877	1922	1941	1957	1972	1987	2001	2015	2029
-65.0	1314	1325	1356	1381	1400	1417	1430	1442	1452	1461
-75.0	807	803	800	797	792	791	790	788	785	784
-85.0	287	281	277	273	269	268	272	270	267	265
-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	265	264	264	264	265	265	267	270	272	268
75.0	783	784	784	784	783	784	785	788	790	791
65.0	1466	1465	1465	1465	1466	1461	1452	1442	1430	1417

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CANDELA TABULATION - (Cont.)

55.0	2038	2041	2042	2041	2038	2029	2015	2001	1987	1972
47.5	1933	1934	1935	1934	1933	1928	1922	1917	1913	1915
42.5	1808	1809	1809	1809	1808	1813	1816	1819	1824	1832
37.5	1900	1900	1898	1900	1900	1913	1920	1921	1925	1921
33.0	2580	2590	2590	2590	2580	2575	2545	2503	2455	2392
29.0	4175	4263	4298	4263	4175	4101	3938	3807	3688	3496
25.5	6880	6982	7028	6982	6880	6762	6533	6248	5822	5400
22.5	11006	11254	11306	11254	11006	10663	10268	9698	8729	7938
19.5	20041 *	21012 *	21380 *	21012 *	20041 *	18638 *	17514 *	15875 *	13414 *	11649 *
17.0	33097 *	34893 *	35339 *	34893 *	33097 *	30403 *	27881 *	24072 *	19634 *	16168 *
15.0	48385 *	50347 *	50689 *	50347 *	48385 *	44827 *	39683 *	32667 *	27091 *	20734 *
13.0	67306 *	70125 *	70201 *	70125 *	67306 *	61552 *	53720 *	45445 *	35963 *	27523 *
11.0	84831 *	88021 *	87968 *	88021 *	84831 *	78526 *	69840 *	58825 *	47055 *	35035 *
9.0	98790 *	101653 *	101734 *	101653 *	98790 *	93026 *	83456 *	72134 *	57556 *	43343 *
7.0	107380 *	110066 *	110340 *	110066 *	107380 *	101404 *	94581 *	81432 *	66733 *	50028 *
5.0	109708 *	113178 *	113716 *	113178 *	109708 *	105623 *	98117 *	87959 *	72828 *	55977 *
3.0	108994 *	111063 *	111531 *	111063 *	108994 *	105174 *	100356 *	90889 *	76648 *	59702 *
1.0	107595 *	109377 *	109981 *	109377 *	107595 *	104635 *	100114 *	91425 *	77923 *	60906 *
0.0	107082 *	108734 *	109312 *	108734 *	107082 *	103940 *	99510 *	90843 *	77623 *	60892 *
-1.0	107595 *	109377 *	109981 *	109377 *	107595 *	104635 *	100114 *	91425 *	77923 *	60906 *
-3.0	108994 *	111063 *	111531 *	111063 *	108994 *	105174 *	100356 *	90889 *	76648 *	59702 *
-5.0	109708 *	113178 *	113716 *	113178 *	109708 *	105623 *	98117 *	87959 *	72828 *	55977 *
-7.0	107380 *	110066 *	110340 *	110066 *	107380 *	101404 *	94581 *	81432 *	66733 *	50028 *
-9.0	98790 *	101653 *	101734 *	101653 *	98790 *	93026 *	83456 *	72134 *	57556 *	43343 *
-11.0	84831 *	88021 *	87968 *	88021 *	84831 *	78526 *	69840 *	58825 *	47055 *	35035 *
-13.0	67306 *	70125 *	70201 *	70125 *	67306 *	61552 *	53720 *	45445 *	35963 *	27523 *
-15.0	48385 *	50347 *	50689 *	50347 *	48385 *	44827 *	39683 *	32667 *	27091 *	20734 *
-17.0	33097 *	34893 *	35339 *	34893 *	33097 *	30403 *	27881 *	24072 *	19634 *	16168 *
-19.5	20041 *	21012 *	21380 *	21012 *	20041 *	18638 *	17514 *	15875 *	13414 *	11649 *
-22.5	11006	11254	11306	11254	11006	10663	10268	9698	8729	7938
-25.5	6880	6982	7028	6982	6880	6762	6533	6248	5822	5400
-29.0	4175	4263	4298	4263	4175	4101	3938	3807	3688	3496
-33.0	2580	2590	2590	2590	2580	2575	2545	2503	2455	2392
-37.5	1900	1900	1898	1900	1900	1913	1920	1921	1925	1921
-42.5	1808	1809	1809	1809	1808	1813	1816	1819	1824	1832
-47.5	1933	1934	1935	1934	1933	1928	1922	1917	1913	1915
-55.0	2038	2041	2042	2041	2038	2029	2015	2001	1987	1972
-65.0	1466	1465	1465	1465	1466	1461	1452	1442	1430	1417
-75.0	783	784	784	784	783	784	785	788	790	791
-85.0	265	264	264	264	265	265	267	270	272	268
-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	269	273	277	281	287	302	317	318	308	293
75.0	792	797	800	803	807	815	820	780	718	647
65.0	1400	1381	1356	1325	1314	1295	1271	1194	1098	973
55.0	1957	1941	1922	1877	1825	1774	1670	1555	1388	1210
47.5	1918	1921	1920	1909	1897	1866	1809	1743	1612	1419
42.5	1837	1843	1851	1857	1858	1841	1800	1733	1646	1478
37.5	1905	1896	1864	1819	1791	1768	1748	1711	1629	1487
33.0	2342	2264	2152	2020	1883	1765	1683	1657	1580	1464
29.0	3221	3027	2747	2418	2141	1872	1680	1590	1522	1435
25.5	4855	4286	3632	2984	2463	2041	1735	1554	1471	1409

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CANDELA TABULATION - (Cont.)

22.5	7053	5962	4807	3685	2842	2233	1795	1537	1442	1377
19.5	9714	8044	6281	4582	3345	2421	1855	1548	1420	1344
17.0	12445 *	10172	7646	5446	3780	2601	1924	1565	1406	1317
15.0	16078 *	11804 *	8811	6103	4173	2729	1986	1574	1399	1313
13.0	19792 *	14644 *	9980	6695	4519	2944	2032	1595	1396	1310
11.0	25311 *	17082 *	11198	7153	4783	3098	2091	1614	1396	1305
9.0	29837 *	20794 *	12933 *	7780	5056	3191	2153	1635	1393	1301
7.0	35483 *	23683 *	14014 *	8155	5226	3328	2209	1649	1389	1295
5.0	39665 *	25452 *	14633 *	8419	5378	3456	2246	1657	1383	1291
3.0	42280 *	27602 *	15826 *	8518	5408	3517	2266	1662	1383	1292
1.0	43333 *	28884 *	16519 *	8591	5432	3564	2291	1666	1380	1291
0.0	43047 *	29124 *	16649 *	8589	5431	3568	2297	1664	1378	1290
-1.0	43333 *	28884 *	16519 *	8591	5432	3564	2291	1666	1380	1291
-3.0	42280 *	27602 *	15826 *	8518	5408	3517	2266	1662	1383	1292
-5.0	39665 *	25452 *	14633 *	8419	5378	3456	2246	1657	1383	1291
-7.0	35483 *	23683 *	14014 *	8155	5226	3328	2209	1649	1389	1295
-9.0	29837 *	20794 *	12933 *	7780	5056	3191	2153	1635	1393	1301
-11.0	25311 *	17082 *	11198	7153	4783	3098	2091	1614	1396	1305
-13.0	19792 *	14644 *	9980	6695	4519	2944	2032	1595	1396	1310
-15.0	16078 *	11804 *	8811	6103	4173	2729	1986	1574	1399	1313
-17.0	12445 *	10172	7646	5446	3780	2601	1924	1565	1406	1317
-19.5	9714	8044	6281	4582	3345	2421	1855	1548	1420	1344
-22.5	7053	5962	4807	3685	2842	2233	1795	1537	1442	1377
-25.5	4855	4286	3632	2984	2463	2041	1735	1554	1471	1409
-29.0	3221	3027	2747	2418	2141	1872	1680	1590	1522	1435
-33.0	2342	2264	2152	2020	1883	1765	1683	1657	1580	1464
-37.5	1905	1896	1864	1819	1791	1768	1748	1711	1629	1487
-42.5	1837	1843	1851	1857	1858	1841	1800	1733	1646	1478
-47.5	1918	1921	1920	1909	1897	1866	1809	1743	1612	1419
-55.0	1957	1941	1922	1877	1825	1774	1670	1555	1388	1210
-65.0	1400	1381	1356	1325	1314	1295	1271	1194	1098	973
-75.0	792	797	800	803	807	815	820	780	718	647
-85.0	269	273	277	281	287	302	317	318	308	293
-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	267	180	81	21	0
75.0	535	356	196	61	0
65.0	777	505	269	99	0
55.0	953	630	340	126	0
47.5	1065	710	389	139	0
42.5	1127	756	421	146	0
37.5	1183	796	448	153	0
33.0	1216	830	470	158	0
29.0	1236	860	487	163	0
25.5	1239	884	500	166	0
22.5	1237	896	509	168	0
19.5	1244	908	517	170	0
17.0	1243	916	524	172	0
15.0	1241	920	530	173	0
13.0	1239	924	534	173	0
11.0	1235	926	539	176	0
9.0	1231	931	542	176	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1226	934	545	176	0
5.0	1226	937	549	176	0
3.0	1226	939	548	175	0
1.0	1224	938	548	175	0
0.0	1223	937	548	175	0
-1.0	1224	938	548	175	0
-3.0	1226	939	548	175	0
-5.0	1226	937	549	176	0
-7.0	1226	934	545	176	0
-9.0	1231	931	542	176	0
-11.0	1235	926	539	176	0
-13.0	1239	924	534	173	0
-15.0	1241	920	530	173	0
-17.0	1243	916	524	172	0
-19.5	1244	908	517	170	0
-22.5	1237	896	509	168	0
-25.5	1239	884	500	166	0
-29.0	1236	860	487	163	0
-33.0	1216	830	470	158	0
-37.5	1183	796	448	153	0
-42.5	1127	756	421	146	0
-47.5	1065	710	389	139	0
-55.0	953	630	340	126	0
-65.0	777	505	269	99	0
-75.0	535	356	196	61	0
-85.0	267	180	81	21	0
-90.0	1	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16966.26

Total Field Lumens (one side of beam only) = 12397.37

* 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	0.40	0.40	0.40	0.41	0.41	0.40	0.40	0.40	0.50
75	1.60	3.19	3.19	3.18	3.18	3.18	3.16	3.13	3.12	3.88
65	3.43	6.85	6.83	6.79	6.74	6.67	6.60	6.50	6.40	7.84
55	5.34	10.67	10.63	10.54	10.42	10.29	10.14	9.97	9.78	11.93
47.5	4.54	9.07	9.03	8.97	8.89	8.79	8.70	8.60	8.50	10.45
42.5	2.85	5.70	5.68	5.66	5.64	5.60	5.57	5.54	5.50	6.81
37.5	2.82	5.64	5.65	5.65	5.64	5.62	5.59	5.54	5.48	6.74
33	3.08	6.14	6.13	6.10	6.03	5.94	5.83	5.69	5.54	6.65
29	4.19	8.28	8.16	7.97	7.72	7.47	7.17	6.77	6.36	7.37
25.5	6.02	11.88	11.66	11.31	10.83	10.27	9.60	8.78	7.89	8.66
22.5	8.35	16.49	16.09	15.55	14.82	13.72	12.46	11.19	9.73	10.14
19.5	14.84 *	28.91 *	27.51 *	25.94 *	24.14 *	21.47 *	18.65	16.12	13.52	13.61
17	21.44 *	41.49 *	38.81 *	35.76 *	32.18 *	27.37 *	22.67 *	18.46 *	14.78	14.53
15	26.08 *	50.75 *	47.62 *	43.26 *	37.49 *	31.04 *	24.92 *	19.34 *	14.79 *	13.90
13	36.76 *	71.89 *	67.48 *	60.52 *	51.74 *	42.35 *	33.16 *	24.86 *	18.25 *	16.36
11	48.18 *	94.46 *	88.79 *	79.86 *	68.72 *	56.18 *	43.37 *	31.82 *	22.50 *	19.13 *
9	57.78 *	113.64 *	107.92 *	98.41 *	85.74 *	70.66 *	54.52 *	39.46 *	27.24 *	22.42 *
7	64.54 *	127.21 *	121.73 *	112.83 *	100.02 *	83.35 *	64.85 *	46.90 *	32.15 *	25.83 *
5	68.12 *	134.04 *	128.87 *	121.09 *	109.22 *	92.68 *	73.17 *	53.54 *	36.39 *	28.13 *
3	68.46 *	134.84 *	130.51 *	123.98 *	113.81 *	98.49 *	79.00 *	58.41 *	39.53 *	30.20 *
1	67.31 *	133.04 *	129.57 *	124.29 *	115.46 *	101.06 *	81.99 *	60.95 *	41.61 *	32.12 *
0	33.31 *	65.87 *	64.30 *	61.83 *	57.60 *	50.67 *	41.32 *	30.76 *	21.14 *	16.48 *
-1	33.31 *	65.87 *	64.30 *	61.83 *	57.60 *	50.67 *	41.32 *	30.76 *	21.14 *	16.48 *
	67.31 *	133.04 *	129.57 *	124.29 *	115.46 *	101.06 *	81.99 *	60.95 *	41.61 *	32.12 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	68.46 *	134.84 *	130.51 *	123.98 *	113.81 *	98.49 *	79.00 *	58.41 *	39.53 *	30.20 *
-5	68.12 *	134.04 *	128.87 *	121.09 *	109.22 *	92.68 *	73.17 *	53.54 *	36.39 *	28.13 *
-7	64.54 *	127.21 *	121.73 *	112.83 *	100.02 *	83.35 *	64.85 *	46.90 *	32.15 *	25.83 *
-9	57.78 *	113.64 *	107.92 *	98.41 *	85.74 *	70.66 *	54.52 *	39.46 *	27.24 *	22.42 *
-11	48.18 *	94.46 *	88.79 *	79.86 *	68.72 *	56.18 *	43.37 *	31.82 *	22.50 *	19.13 *
-13	36.76 *	71.89 *	67.48 *	60.52 *	51.74 *	42.35 *	33.16 *	24.86 *	18.25 *	16.36
-15	26.08 *	50.75 *	47.62 *	43.26 *	37.49 *	31.04 *	24.92 *	19.34 *	14.79 *	13.90
-17	21.44 *	41.49 *	38.81 *	35.76 *	32.18 *	27.37 *	22.67 *	18.46 *	14.78	14.53
-19.5	14.84 *	28.91 *	27.51 *	25.94 *	24.14 *	21.47 *	18.65	16.12	13.52	13.61
-22.5	8.35	16.49	16.09	15.55	14.82	13.72	12.46	11.19	9.73	10.14
-25.5	6.02	11.88	11.66	11.31	10.83	10.27	9.60	8.78	7.89	8.66
-29	4.19	8.28	8.16	7.97	7.72	7.47	7.17	6.77	6.36	7.37
-33	3.08	6.14	6.13	6.10	6.03	5.94	5.83	5.69	5.54	6.65
-37.5	2.82	5.64	5.65	5.65	5.64	5.62	5.59	5.54	5.48	6.74
-42.5	2.85	5.70	5.68	5.66	5.64	5.60	5.57	5.54	5.50	6.81
-47.5	4.54	9.07	9.03	8.97	8.89	8.79	8.70	8.60	8.50	10.45
-55	5.34	10.67	10.63	10.54	10.42	10.29	10.14	9.97	9.78	11.93
-65	3.43	6.85	6.83	6.79	6.74	6.67	6.60	6.50	6.40	7.84
-75	1.60	3.19	3.19	3.18	3.18	3.18	3.16	3.13	3.12	3.88
-85	0.20	0.40	0.40	0.40	0.41	0.41	0.40	0.40	0.40	0.50
-90										
Total	1098.47	2160.95	2073.11	1939.8	1752.87	1506.57	1225.67	945.49	701.10	627.33

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.60	0.59	0.70	0.81	0.89	0.92	0.81	1.00	0.85	0.34
85	4.61	4.55	5.24	5.88	6.25	6.19	5.29	6.22	5.09	2.11
75	9.14	8.87	10.02	10.97	11.37	11.05	9.25	10.47	8.26	3.45
65	13.82	13.23	14.71	15.69	15.92	15.27	12.57	13.98	10.90	4.54
55	12.20	11.75	13.08	13.94	14.22	13.77	11.36	12.45	9.58	4.04

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	8.04	7.85	8.84	9.55	9.91	9.82	8.28	9.09	6.96	2.96
42.5	7.88	7.64	8.60	9.34	9.78	9.80	8.40	9.42	7.34	3.15
37.5	7.54	7.06	7.68	8.18	8.56	8.63	7.46	8.60	6.89	2.98
33	7.96	7.06	7.26	7.31	7.40	7.41	6.46	7.65	6.30	2.75
29	8.79	7.31	7.06	6.70	6.42	6.26	5.50	6.65	5.62	2.49
25.5	9.67	7.50	6.81	6.11	5.56	5.25	4.60	5.64	4.86	2.18
22.5	12.38	9.05	7.71	6.50	5.65	5.20	4.51	5.58	4.89	2.21
19.5	12.77	8.95	7.19	5.74	4.82	4.33	3.69	4.60	4.10	1.86
17	11.95	8.14	6.29	4.82	3.94	3.47	2.93	3.65	3.29	1.50
15	13.47	8.97	6.81	5.06	4.02	3.48	2.92	3.65	3.29	1.51
13	14.94	9.66	7.27	5.31	4.10	3.50	2.91	3.64	3.29	1.52
11	16.66	10.34	7.64	5.50	4.19	3.52	2.90	3.62	3.29	1.53
9	18.29	10.94	7.96	5.68	4.28	3.54	2.90	3.61	3.29	1.54
7	19.29	11.34	8.24	5.87	4.34	3.54	2.88	3.60	3.29	1.54
5	20.22 *	11.57	8.41	6.00	4.38	3.55	2.88	3.60	3.29	1.55
3	21.09 *	11.67	8.49	6.08	4.41	3.55	2.88	3.60	3.29	1.55
1	10.74 *	5.85	4.26	3.06	2.22	1.78	1.44	1.80	1.64	0.77
0	10.74 *	5.85	4.26	3.06	2.22	1.78	1.44	1.80	1.64	0.77
-1	21.09 *	11.67	8.49	6.08	4.41	3.55	2.88	3.60	3.29	1.55
-3	20.22 *	11.57	8.41	6.00	4.38	3.55	2.88	3.60	3.29	1.55
-5	19.29	11.34	8.24	5.87	4.34	3.54	2.88	3.60	3.29	1.54
-7	18.29	10.94	7.96	5.68	4.28	3.54	2.90	3.61	3.29	1.54
-9	16.66	10.34	7.64	5.50	4.19	3.52	2.90	3.62	3.29	1.53
-11	14.94	9.66	7.27	5.31	4.10	3.50	2.91	3.64	3.29	1.52
-13	13.47	8.97	6.81	5.06	4.02	3.48	2.92	3.65	3.29	1.51
-15	11.95	8.14	6.29	4.82	3.94	3.47	2.93	3.65	3.29	1.50
-17	12.77	8.95	7.19	5.74	4.82	4.33	3.69	4.60	4.10	1.86
-19.5	12.38	9.05	7.71	6.50	5.65	5.20	4.51	5.58	4.89	2.21

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	9.67	7.50	6.81	6.11	5.56	5.25	4.60	5.64	4.86	2.18
-25.5	8.79	7.31	7.06	6.70	6.42	6.26	5.50	6.65	5.62	2.49
-29	7.96	7.06	7.26	7.31	7.40	7.41	6.46	7.65	6.30	2.75
-33	7.54	7.06	7.68	8.18	8.56	8.63	7.46	8.60	6.89	2.98
-37.5	7.88	7.64	8.60	9.34	9.78	9.80	8.40	9.42	7.34	3.15
-42.5	8.04	7.85	8.84	9.55	9.91	9.82	8.28	9.09	6.96	2.96
-47.5	12.20	11.75	13.08	13.94	14.22	13.77	11.36	12.45	9.58	4.04
-55	13.82	13.23	14.71	15.69	15.92	15.27	12.57	13.98	10.90	4.54
-65	9.14	8.87	10.02	10.97	11.37	11.05	9.25	10.47	8.26	3.45
-75	4.61	4.55	5.24	5.88	6.25	6.19	5.29	6.22	5.09	2.11
-85	0.60	0.59	0.70	0.81	0.89	0.92	0.81	1.00	0.85	0.34
-90										
Total	524.09	379.78	340.58	308.20	285.31	267.64	225.64	264.23	219.15	96.13

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.07	0.00		11.51
85				
	0.47	0.01		82.74
75				
	0.83	0.03		158.34
65				
	1.10	0.04		231.45
55				
	0.98	0.03		202.95
47.5				
	0.72	0.02		136.61
42.5				
	0.77	0.02		136.51
37.5				
	0.73	0.02		131.47
33				
	0.68	0.02		139.72
29				
	0.61	0.02		160.32
25.5				
	0.53	0.02		187.27
22.5				
	0.54	0.02		268.93
19.5				
	0.46	0.01		326.02
17				
	0.37	0.01		359.54

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

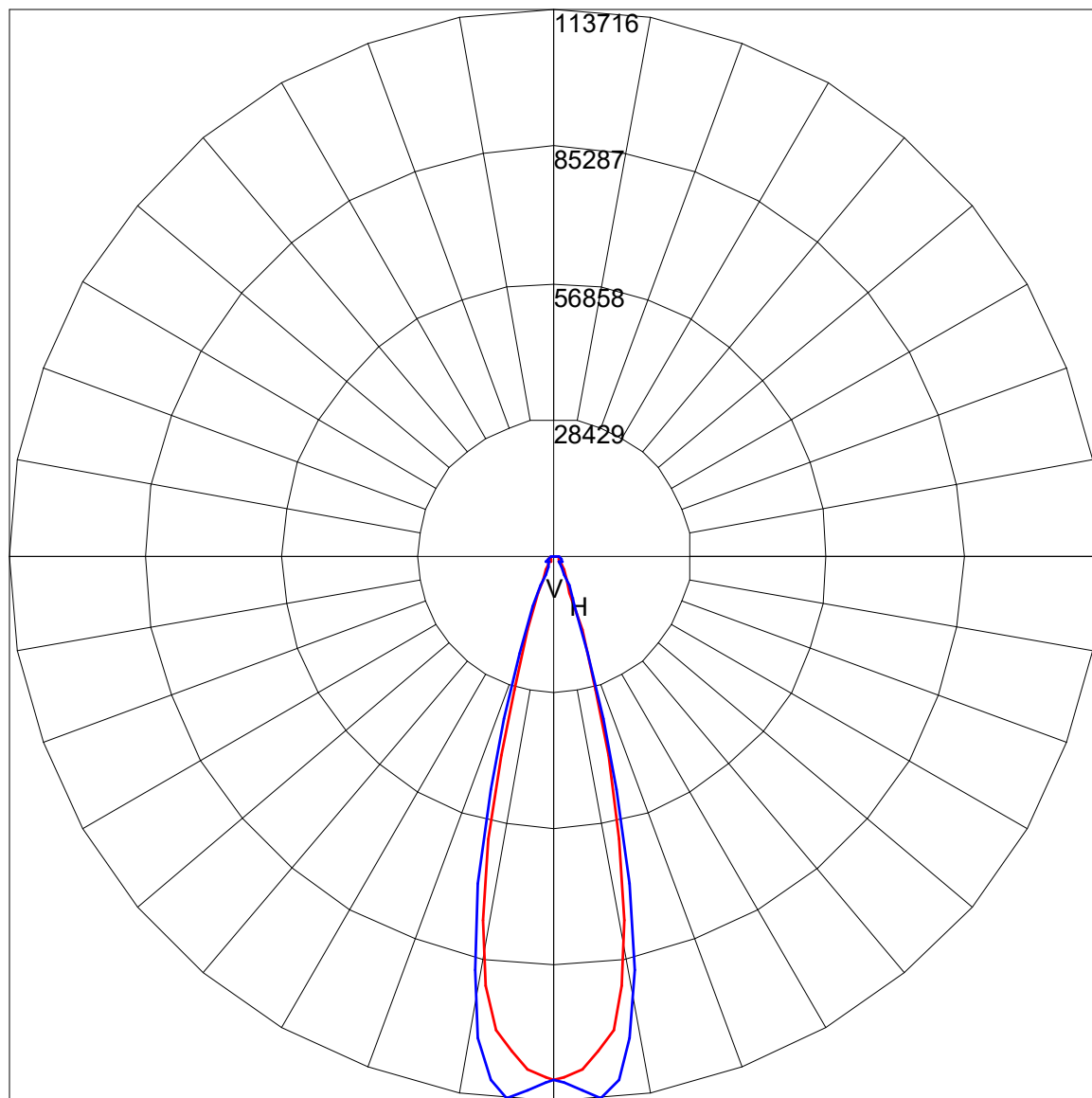
15	0.37	0.01	476.92
13	0.38	0.01	609.54
11	0.38	0.01	737.39
9	0.38	0.01	841.83
7	0.38	0.01	909.58
5	0.38	0.01	943.06
3	0.38	0.01	954.38
1	0.19	0.01	477.03
0	0.19	0.01	477.03
-1	0.38	0.01	954.38
-3	0.38	0.01	943.06
-5	0.38	0.01	909.58
-7	0.38	0.01	841.83
-9	0.38	0.01	737.39
-11	0.38	0.01	609.54
-13	0.37	0.01	476.92
-15	0.37	0.01	359.54
-17	0.46	0.01	326.02
-19.5	0.54	0.02	268.93
-22.5	0.53	0.02	187.27
-25.5	0.61	0.02	160.32
-29	0.68	0.02	139.72
-33	0.73	0.02	131.47
-37.5	0.77	0.02	136.51
-42.5	0.72	0.02	136.61
-47.5	0.98	0.03	202.95
-55	1.10	0.04	231.45
-65	0.83	0.03	158.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

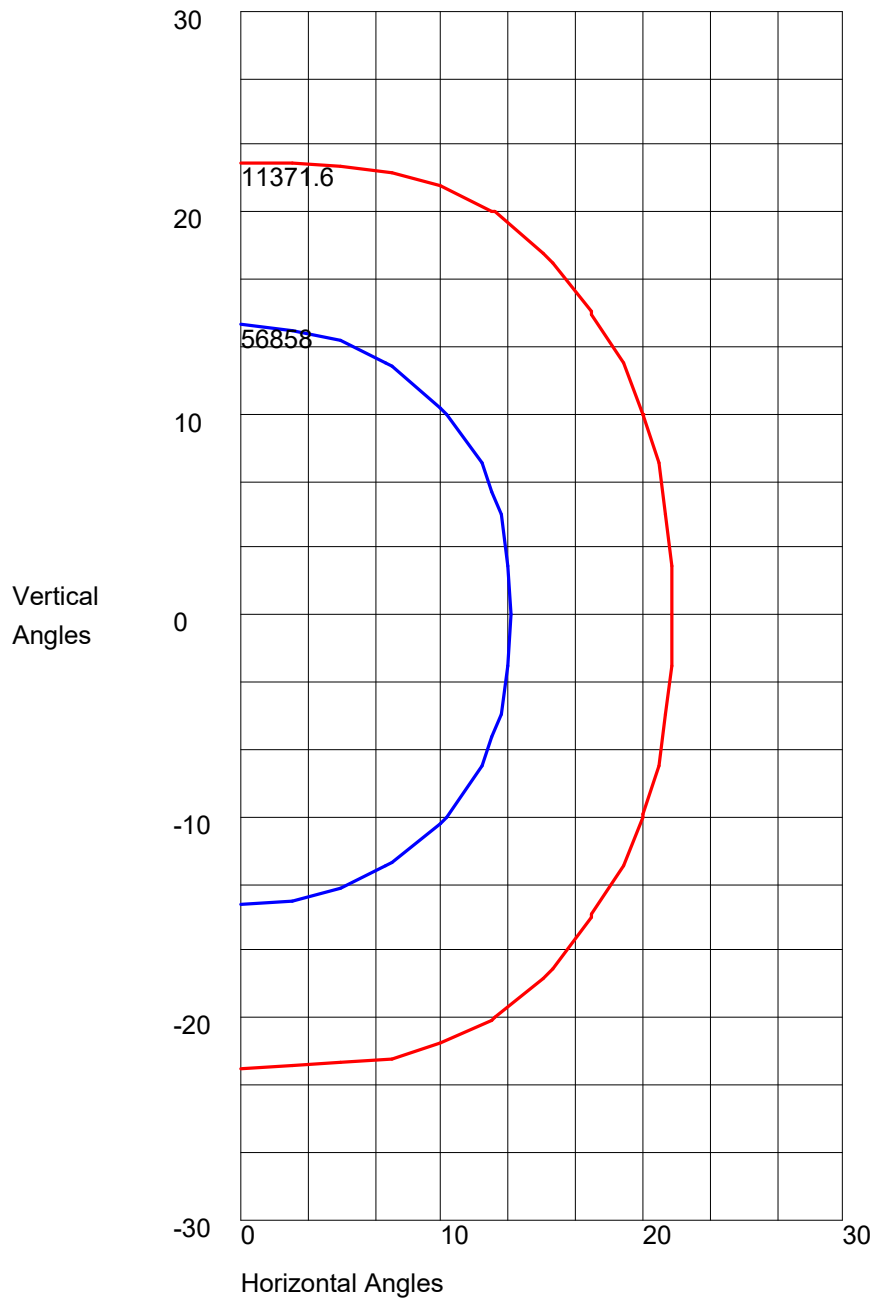
-75	0.47	0.01	82.74
-85	0.07	0.00	11.51
-90			
Total	23.41	0.74	16966.25

AXIAL CANDELA DISPLAY



Maximum Candela = 113716 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 113716 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 56858
10% Maximum Candela = 11371.6