



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12461  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/05/21  
[TEST DATE] 01/25/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-34L-PC-WF-40-80  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor  
[SEARCH\_COLORTEMP] 4000

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

**CHARACTERISTICS**

NEMA Type	6 H x 6 V
Maximum Candela	28981
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	64.2
Vertical Beam Angle (50%)	65.7
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	103.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	22497
Beam Efficiency	N.A.
Field Lumens	31997
Field Efficiency	N.A.
Spill Lumens	2732
Luminaire Lumens	34728
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	100	85	103
75	224	75	262
65	533	65	706
55	1762	55	1935
47.5	4140	47.5	4235
42.5	6219	42.5	6372
37.5	9248	37.5	9619
33	13594	33	14313
29	18132	29	18887
25.5	21573	25.5	21853
22.5	23939	22.5	23587
19.5	25625	19.5	24905
17	26667	17	25857
15	27341	15	26579
13	27791	13	27223
11	28145	11	27763
9	28396	9	28214
7	28556	7	28576
5	28647	5	28841
3	28698	3	28981
1	28794	1	28916
0	28850	0	28850
-1	28794	-1	28916
-3	28698	-3	28981
-5	28647	-5	28841
-7	28556	-7	28576
-9	28396	-9	28214
-11	28145	-11	27763
-13	27791	-13	27223
-15	27341	-15	26579
-17	26667	-17	25857
-19.5	25625	-19.5	24905
-22.5	23939	-22.5	23587
-25.5	21573	-25.5	21853
-29	18132	-29	18887
-33	13594	-33	14313
-37.5	9248	-37.5	9619
-42.5	6219	-42.5	6372
-47.5	4140	-47.5	4235
-55	1762	-55	1935
-65	533	-65	706
-75	224	-75	262
-85	100	-85	103
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 28981

Beam Edge = 14490.5 Cd (50% of Max.)

Field Edge = 2898.1 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>-90.0</b>	<b>-85.0</b>	<b>-75.0</b>	<b>-65.0</b>	<b>-55.0</b>	<b>-47.5</b>	<b>-42.5</b>	<b>-37.5</b>	<b>-33.0</b>	<b>-29.0</b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	8	28	46	61	65	69	74	79	84
<b>75.0</b>	0	24	69	101	142	165	178	195	213	245
<b>65.0</b>	0	40	101	180	291	375	437	495	546	587
<b>55.0</b>	0	54	133	264	472	671	810	972	1130	1267
<b>47.5</b>	0	64	154	323	634	983	1258	1598	1949	2304
<b>42.5</b>	0	70	168	361	765	1240	1662	2200	2773	3334 *
<b>37.5</b>	0	75	180	396	901	1571	2184	2991 *	3845 *	4680 *
<b>33.0</b>	0	80	189	428	1034	1921	2753	3849 *	4962 *	6062 *
<b>29.0</b>	0	84	198	455	1149	2272	3319 *	4666 *	6058 *	7597 *
<b>25.5</b>	0	87	205	476	1274	2585	3834 *	5402 *	7142 *	9060 *
<b>22.5</b>	0	90	209	492	1370	2887	4268 *	6025 *	8122 *	10468 *
<b>19.5</b>	0	92	212	506	1460	3157 *	4692 *	6681 *	9105 *	12005 *
<b>17.0</b>	0	93	216	514	1545	3369 *	5001 *	7193 *	9989 *	13408 *
<b>15.0</b>	0	95	218	519	1604	3535 *	5242 *	7560 *	10663 *	14406 *
<b>13.0</b>	0	96	220	522	1655	3682 *	5470 *	7968 *	11266 *	15311 *
<b>11.0</b>	0	99	222	523	1696	3809 *	5671 *	8326 *	11893 *	16122 *
<b>9.0</b>	0	99	223	527	1728	3916 *	5842 *	8629 *	12452 *	16830 *
<b>7.0</b>	0	99	224	531	1751	4002 *	5981 *	8872 *	12895 *	17374 *
<b>5.0</b>	0	99	225	534	1767	4068 *	6088 *	9054 *	13227 *	17763 *
<b>3.0</b>	0	100	225	536	1784	4136 *	6202 *	9176 *	13448 *	18030 *
<b>1.0</b>	0	100	224	534	1769	4139 *	6213 *	9247 *	13575 *	18132 *
<b>0.0</b>	0	100	224	533	1762	4140 *	6219 *	9248 *	13594 *	18132 *
<b>-1.0</b>	0	100	224	534	1769	4139 *	6213 *	9247 *	13575 *	18132 *
<b>-3.0</b>	0	100	225	536	1784	4136 *	6202 *	9176 *	13448 *	18030 *
<b>-5.0</b>	0	99	225	534	1767	4068 *	6088 *	9054 *	13227 *	17763 *
<b>-7.0</b>	0	99	224	531	1751	4002 *	5981 *	8872 *	12895 *	17374 *
<b>-9.0</b>	0	99	223	527	1728	3916 *	5842 *	8629 *	12452 *	16830 *
<b>-11.0</b>	0	99	222	523	1696	3809 *	5671 *	8326 *	11893 *	16122 *
<b>-13.0</b>	0	96	220	522	1655	3682 *	5470 *	7968 *	11266 *	15311 *
<b>-15.0</b>	0	95	218	519	1604	3535 *	5242 *	7560 *	10663 *	14406 *
<b>-17.0</b>	0	93	216	514	1545	3369 *	5001 *	7193 *	9989 *	13408 *
<b>-19.5</b>	0	92	212	506	1460	3157 *	4692 *	6681 *	9105 *	12005 *
<b>-22.5</b>	0	90	209	492	1370	2887	4268 *	6025 *	8122 *	10468 *
<b>-25.5</b>	0	87	205	476	1274	2585	3834 *	5402 *	7142 *	9060 *
<b>-29.0</b>	0	84	198	455	1149	2272	3319 *	4666 *	6058 *	7597 *
<b>-33.0</b>	0	80	189	428	1034	1921	2753	3849 *	4962 *	6062 *
<b>-37.5</b>	0	75	180	396	901	1571	2184	2991 *	3845 *	4680 *
<b>-42.5</b>	0	70	168	361	765	1240	1662	2200	2773	3334 *
<b>-47.5</b>	0	64	154	323	634	983	1258	1598	1949	2304
<b>-55.0</b>	0	54	133	264	472	671	810	972	1130	1267
<b>-65.0</b>	0	40	101	180	291	375	437	495	546	587
<b>-75.0</b>	0	24	69	101	142	165	178	195	213	245
<b>-85.0</b>	0	8	28	46	61	65	69	74	79	84
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

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**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	87	90	92	93	95	96	99	99	100	101
75.0	271	283	287	288	289	286	282	277	272	268
65.0	621	644	665	680	691	699	702	704	704	702
55.0	1396	1491	1587	1676	1739	1793	1840	1879	1909	1930
47.5	2612	2910 *	3186 *	3407 *	3581 *	3737 *	3872 *	3984 *	4076 *	4146 *
42.5	3871 *	4326 *	4792 *	5141 *	5395 *	5629 *	5834 *	6008 *	6145 *	6246 *
37.5	5454 *	6122 *	6824 *	7382 *	7781 *	8209 *	8588 *	8915 *	9191 *	9408 *
33.0	7179 *	8209 *	9275 *	10213 *	10909 *	11529 *	12217 *	12869 *	13401 *	13802 *
29.0	9076 *	10634 *	12277 *	13716 *	14782 *	15743 *	16610 *	17374 *	17970 *	18387 *
25.5	11108 *	13251 *	15342 *	16952 *	18039 *	18977 *	19809 *	20458 *	20993 *	21386 *
22.5	13150 *	15549 *	17703 *	19259 *	20307 *	21156 *	21891 *	22432 *	22901 *	23246 *
19.5	15145 *	17609 *	19680 *	21136 *	22108 *	22876 *	23509 *	23964 *	24379 *	24687 *
17.0	16672 *	19058 *	21112 *	22455 *	23392 *	24089 *	24702 *	25095 *	25406 *	25672 *
15.0	17719 *	20112 *	22110 *	23444 *	24231 *	24956 *	25482 *	25894 *	26143 *	26389 *
13.0	18648 *	21046 *	22973 *	24212 *	25043 *	25652 *	26177 *	26584 *	26849 *	27027 *
11.0	19503 *	21876 *	23767 *	24964 *	25680 *	26297 *	26764 *	27139 *	27422 *	27572 *
9.0	20188 *	22543 *	24387 *	25544 *	26281 *	26841 *	27273 *	27579 *	27852 *	28036 *
7.0	20751 *	23113 *	24926 *	26028 *	26728 *	27297 *	27679 *	27966 *	28168 *	28380 *
5.0	21168 *	23532 *	25357 *	26420 *	27075 *	27581 *	27969 *	28257 *	28452 *	28551 *
3.0	21463 *	23809 *	25578 *	26636 *	27296 *	27768 *	28134 *	28409 *	28614 *	28732 *
1.0	21578 *	23950 *	25654 *	26709 *	27389 *	27843 *	28190 *	28441 *	28620 *	28732 *
0.0	21573 *	23939 *	25625 *	26667 *	27341 *	27791 *	28145 *	28396 *	28556 *	28647 *
-1.0	21578 *	23950 *	25654 *	26709 *	27389 *	27843 *	28190 *	28441 *	28620 *	28732 *
-3.0	21463 *	23809 *	25578 *	26636 *	27296 *	27768 *	28134 *	28409 *	28614 *	28732 *
-5.0	21168 *	23532 *	25357 *	26420 *	27075 *	27581 *	27969 *	28257 *	28452 *	28551 *
-7.0	20751 *	23113 *	24926 *	26028 *	26728 *	27297 *	27679 *	27966 *	28168 *	28380 *
-9.0	20188 *	22543 *	24387 *	25544 *	26281 *	26841 *	27273 *	27579 *	27852 *	28036 *
-11.0	19503 *	21876 *	23767 *	24964 *	25680 *	26297 *	26764 *	27139 *	27422 *	27572 *
-13.0	18648 *	21046 *	22973 *	24212 *	25043 *	25652 *	26177 *	26584 *	26849 *	27027 *
-15.0	17719 *	20112 *	22110 *	23444 *	24231 *	24956 *	25482 *	25894 *	26143 *	26389 *
-17.0	16672 *	19058 *	21112 *	22455 *	23392 *	24089 *	24702 *	25095 *	25406 *	25672 *
-19.5	15145 *	17609 *	19680 *	21136 *	22108 *	22876 *	23509 *	23964 *	24379 *	24687 *
-22.5	13150 *	15549 *	17703 *	19259 *	20307 *	21156 *	21891 *	22432 *	22901 *	23246 *
-25.5	11108 *	13251 *	15342 *	16952 *	18039 *	18977 *	19809 *	20458 *	20993 *	21386 *
-29.0	9076 *	10634 *	12277 *	13716 *	14782 *	15743 *	16610 *	17374 *	17970 *	18387 *
-33.0	7179 *	8209 *	9275 *	10213 *	10908 *	11529 *	12217 *	12869 *	13401 *	13802 *
-37.5	5454 *	6122 *	6824 *	7382 *	7781 *	8209 *	8588 *	8915 *	9191 *	9408 *
-42.5	3871 *	4326 *	4792 *	5141 *	5395 *	5629 *	5834 *	6008 *	6145 *	6246 *
-47.5	2612	2910 *	3186 *	3407 *	3581 *	3737 *	3872 *	3984 *	4076 *	4146 *
-55.0	1396	1491	1587	1676	1739	1793	1840	1879	1909	1930
-65.0	621	644	665	680	691	699	702	704	704	702
-75.0	271	283	287	288	289	286	282	277	272	268
-85.0	87	90	92	93	95	96	99	99	100	101
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	102	103	103	103	102	101	100	99	99	96
75.0	265	263	262	263	265	268	272	277	282	286
65.0	707	706	706	706	707	702	704	704	702	699

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

55.0	1949	1940	1935	1940	1949	1930	1909	1879	1840	1793
47.5	4221 *	4230 *	4235 *	4230 *	4221 *	4146 *	4076 *	3984 *	3872 *	3737 *
42.5	6353 *	6366 *	6372 *	6366 *	6353 *	6246 *	6145 *	6008 *	5834 *	5629 *
37.5	9563 *	9626 *	9619 *	9626 *	9563 *	9408 *	9191 *	8915 *	8588 *	8209 *
33.0	14076 *	14264 *	14313 *	14264 *	14076 *	13802 *	13401 *	12869 *	12217 *	11529 *
29.0	18688 *	18854 *	18887 *	18854 *	18688 *	18387 *	17970 *	17374 *	16610 *	15743 *
25.5	21654 *	21813 *	21853 *	21813 *	21654 *	21386 *	20993 *	20458 *	19809 *	18977 *
22.5	23465 *	23588 *	23587 *	23588 *	23465 *	23246 *	22901 *	22432 *	21891 *	21156 *
19.5	24834 *	24896 *	24905 *	24896 *	24834 *	24687 *	24379 *	23964 *	23509 *	22876 *
17.0	25796 *	25836 *	25857 *	25836 *	25796 *	25672 *	25406 *	25095 *	24702 *	24089 *
15.0	26523 *	26564 *	26579 *	26564 *	26523 *	26389 *	26143 *	25894 *	25482 *	24956 *
13.0	27159 *	27167 *	27223 *	27167 *	27159 *	27027 *	26849 *	26584 *	26177 *	25652 *
11.0	27712 *	27695 *	27763 *	27695 *	27712 *	27572 *	27422 *	27139 *	26764 *	26297 *
9.0	28155 *	28156 *	28214 *	28156 *	28155 *	28036 *	27852 *	27579 *	27273 *	26841 *
7.0	28490 *	28533 *	28576 *	28533 *	28490 *	28380 *	28168 *	27966 *	27679 *	27297 *
5.0	28724 *	28820 *	28841 *	28820 *	28724 *	28551 *	28452 *	28257 *	27969 *	27581 *
3.0	28798 *	28943 *	28981 *	28943 *	28798 *	28732 *	28614 *	28409 *	28134 *	27768 *
1.0	28822 *	28871 *	28916 *	28871 *	28822 *	28732 *	28620 *	28441 *	28190 *	27843 *
0.0	28698 *	28794 *	28850 *	28794 *	28698 *	28647 *	28556 *	28396 *	28145 *	27791 *
-1.0	28822 *	28871 *	28916 *	28871 *	28822 *	28732 *	28620 *	28441 *	28190 *	27843 *
-3.0	28798 *	28943 *	28981 *	28943 *	28798 *	28732 *	28614 *	28409 *	28134 *	27768 *
-5.0	28724 *	28820 *	28841 *	28820 *	28724 *	28551 *	28452 *	28257 *	27969 *	27581 *
-7.0	28490 *	28533 *	28576 *	28533 *	28490 *	28380 *	28168 *	27966 *	27679 *	27297 *
-9.0	28155 *	28156 *	28214 *	28156 *	28155 *	28036 *	27852 *	27579 *	27273 *	26841 *
-11.0	27712 *	27695 *	27763 *	27695 *	27712 *	27572 *	27422 *	27139 *	26764 *	26297 *
-13.0	27159 *	27167 *	27223 *	27167 *	27159 *	27027 *	26849 *	26584 *	26177 *	25652 *
-15.0	26523 *	26564 *	26579 *	26564 *	26523 *	26389 *	26143 *	25894 *	25482 *	24956 *
-17.0	25796 *	25836 *	25857 *	25836 *	25796 *	25672 *	25406 *	25095 *	24702 *	24089 *
-19.5	24834 *	24896 *	24905 *	24896 *	24834 *	24687 *	24379 *	23964 *	23509 *	22876 *
-22.5	23465 *	23588 *	23587 *	23588 *	23465 *	23246 *	22901 *	22432 *	21891 *	21156 *
-25.5	21654 *	21813 *	21853 *	21813 *	21654 *	21386 *	20993 *	20458 *	19809 *	18977 *
-29.0	18688 *	18854 *	18887 *	18854 *	18688 *	18387 *	17970 *	17374 *	16610 *	15743 *
-33.0	14076 *	14264 *	14313 *	14264 *	14076 *	13802 *	13401 *	12869 *	12217 *	11529 *
-37.5	9563 *	9626 *	9619 *	9626 *	9563 *	9408 *	9191 *	8915 *	8588 *	8209 *
-42.5	6353 *	6366 *	6372 *	6366 *	6353 *	6246 *	6145 *	6008 *	5834 *	5629 *
-47.5	4221 *	4230 *	4235 *	4230 *	4221 *	4146 *	4076 *	3984 *	3872 *	3737 *
-55.0	1949	1940	1935	1940	1949	1930	1909	1879	1840	1793
-65.0	707	706	706	706	707	702	704	704	702	699
-75.0	265	263	262	263	265	268	272	277	282	286
-85.0	102	103	103	103	102	101	100	99	99	96
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	95	93	92	90	87	84	79	74	69	65
75.0	289	288	287	283	271	245	213	195	178	165
65.0	691	680	665	644	621	587	546	495	437	375
55.0	1739	1676	1587	1491	1396	1267	1130	972	810	671
47.5	3581 *	3407 *	3186 *	2910 *	2612	2304	1949	1598	1258	983
42.5	5395 *	5141 *	4792 *	4326 *	3871 *	3334 *	2773	2200	1662	1240
37.5	7781 *	7382 *	6824 *	6122 *	5454 *	4680 *	3845 *	2991 *	2184	1571
33.0	10908 *	10213 *	9275 *	8209 *	7179 *	6062 *	4962 *	3849 *	2753	1921
29.0	14782 *	13716 *	12277 *	10634 *	9076 *	7597 *	6058 *	4666 *	3319 *	2272
25.5	18039 *	16952 *	15342 *	13251 *	11108 *	9060 *	7142 *	5402 *	3834 *	2585

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**CANDELA TABULATION - (Cont.)**

22.5	20307 *	19259 *	17703 *	15549 *	13150 *	10468 *	8122 *	6025 *	4268 *	2887
19.5	22108 *	21136 *	19680 *	17609 *	15145 *	12005 *	9105 *	6681 *	4692 *	3157 *
17.0	23392 *	22455 *	21112 *	19058 *	16672 *	13408 *	9989 *	7193 *	5001 *	3369 *
15.0	24231 *	23444 *	22110 *	20112 *	17719 *	14406 *	10663 *	7560 *	5242 *	3535 *
13.0	25043 *	24212 *	22973 *	21046 *	18648 *	15311 *	11266 *	7968 *	5470 *	3682 *
11.0	25680 *	24964 *	23767 *	21876 *	19503 *	16122 *	11893 *	8326 *	5671 *	3809 *
9.0	26281 *	25544 *	24387 *	22543 *	20188 *	16830 *	12452 *	8629 *	5842 *	3916 *
7.0	26728 *	26028 *	24926 *	23113 *	20751 *	17374 *	12895 *	8872 *	5981 *	4002 *
5.0	27075 *	26420 *	25357 *	23532 *	21168 *	17763 *	13227 *	9054 *	6088 *	4068 *
3.0	27296 *	26636 *	25578 *	23809 *	21463 *	18030 *	13448 *	9176 *	6202 *	4136 *
1.0	27389 *	26709 *	25654 *	23950 *	21578 *	18132 *	13575 *	9247 *	6213 *	4139 *
0.0	27341 *	26667 *	25625 *	23939 *	21573 *	18132 *	13594 *	9248 *	6219 *	4140 *
-1.0	27389 *	26709 *	25654 *	23950 *	21578 *	18132 *	13575 *	9247 *	6213 *	4139 *
-3.0	27296 *	26636 *	25578 *	23809 *	21463 *	18030 *	13448 *	9176 *	6202 *	4136 *
-5.0	27075 *	26420 *	25357 *	23532 *	21168 *	17763 *	13227 *	9054 *	6088 *	4068 *
-7.0	26728 *	26028 *	24926 *	23113 *	20751 *	17374 *	12895 *	8872 *	5981 *	4002 *
-9.0	26281 *	25544 *	24387 *	22543 *	20188 *	16830 *	12452 *	8629 *	5842 *	3916 *
-11.0	25680 *	24964 *	23767 *	21876 *	19503 *	16122 *	11893 *	8326 *	5671 *	3809 *
-13.0	25043 *	24212 *	22973 *	21046 *	18648 *	15311 *	11266 *	7968 *	5470 *	3682 *
-15.0	24231 *	23444 *	22110 *	20112 *	17719 *	14406 *	10663 *	7560 *	5242 *	3535 *
-17.0	23392 *	22455 *	21112 *	19058 *	16672 *	13408 *	9989 *	7193 *	5001 *	3369 *
-19.5	22108 *	21136 *	19680 *	17609 *	15145 *	12005 *	9105 *	6681 *	4692 *	3157 *
-22.5	20307 *	19259 *	17703 *	15549 *	13150 *	10468 *	8122 *	6025 *	4268 *	2887
-25.5	18039 *	16952 *	15342 *	13251 *	11108 *	9060 *	7142 *	5402 *	3834 *	2585
-29.0	14782 *	13716 *	12277 *	10634 *	9076 *	7597 *	6058 *	4666 *	3319 *	2272
-33.0	10908 *	10213 *	9275 *	8209 *	7179 *	6062 *	4962 *	3849 *	2753	1921
-37.5	7781 *	7382 *	6824 *	6122 *	5454 *	4680 *	3845 *	2991 *	2184	1571
-42.5	5395 *	5141 *	4792 *	4326 *	3871 *	3334 *	2773	2200	1662	1240
-47.5	3581 *	3407 *	3186 *	2910 *	2612	2304	1949	1598	1258	983
-55.0	1739	1676	1587	1491	1396	1267	1130	972	810	671
-65.0	691	680	665	644	621	587	546	495	437	375
-75.0	289	288	287	283	271	245	213	195	178	165
-85.0	95	93	92	90	87	84	79	74	69	65
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	61	46	28	8	0
75.0	142	101	69	24	0
65.0	291	180	101	40	0
55.0	472	264	133	54	0
47.5	634	323	154	64	0
42.5	765	361	168	70	0
37.5	901	396	180	75	0
33.0	1034	428	189	80	0
29.0	1149	455	198	84	0
25.5	1274	476	205	87	0
22.5	1370	492	209	90	0
19.5	1460	506	212	92	0
17.0	1545	514	216	93	0
15.0	1604	519	218	95	0
13.0	1655	522	220	96	0
11.0	1696	523	222	99	0
9.0	1728	527	223	99	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	1751	531	224	99	0
<b>5.0</b>	1767	534	225	99	0
<b>3.0</b>	1784	536	225	100	0
<b>1.0</b>	1769	534	224	100	0
<b>0.0</b>	1762	533	224	100	0
<b>-1.0</b>	1769	534	224	100	0
<b>-3.0</b>	1784	536	225	100	0
<b>-5.0</b>	1767	534	225	99	0
<b>-7.0</b>	1751	531	224	99	0
<b>-9.0</b>	1728	527	223	99	0
<b>-11.0</b>	1696	523	222	99	0
<b>-13.0</b>	1655	522	220	96	0
<b>-15.0</b>	1604	519	218	95	0
<b>-17.0</b>	1545	514	216	93	0
<b>-19.5</b>	1460	506	212	92	0
<b>-22.5</b>	1370	492	209	90	0
<b>-25.5</b>	1274	476	205	87	0
<b>-29.0</b>	1149	455	198	84	0
<b>-33.0</b>	1034	428	189	80	0
<b>-37.5</b>	901	396	180	75	0
<b>-42.5</b>	765	361	168	70	0
<b>-47.5</b>	634	323	154	64	0
<b>-55.0</b>	472	264	133	54	0
<b>-65.0</b>	291	180	101	40	0
<b>-75.0</b>	142	101	69	24	0
<b>-85.0</b>	61	46	28	8	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 17364.22

Total Field Lumens (one side of beam only) = 15998.32

\* 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	0.08	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14
75	0.56	1.12	1.12	1.12	1.13	1.14	1.14	1.13	1.12	1.37
65	1.48	2.95	2.95	2.95	2.95	2.95	2.93	2.90	2.85	3.47
55	4.03	8.07	8.03	7.94	7.84	7.69	7.50	7.27	7.01	8.33
47.5	7.05 *	14.09 *	13.95 *	13.70 *	13.40 *	13.02	12.56	12.03	11.42	13.36
42.5	8.07 *	16.11 *	15.93 *	15.61 *	15.24 *	14.77 *	14.21 *	13.55 *	12.83 *	14.94 *
37.5	12.18 *	24.28 *	23.98 *	23.47 *	22.82 *	22.01 *	21.05 *	19.96 *	18.81 *	21.82 *
33	16.39 *	32.55 *	32.03 *	31.22 *	30.12 *	28.75 *	27.18 *	25.55 *	23.90 *	27.41 *
29	20.20 *	40.11 *	39.47 *	38.51 *	37.17 *	35.44 *	33.43 *	31.31 *	29.06 *	32.89 *
25.5	21.70 *	43.16 *	42.60 *	41.74 *	40.54 *	38.98 *	37.09 *	34.93 *	32.53 *	36.88 *
22.5	20.75 *	41.33 *	40.91 *	40.23 *	39.27 *	38.06 *	36.57 *	34.79 *	32.75 *	37.56 *
19.5	22.15 *	44.19 *	43.86 *	43.26 *	42.38 *	41.30 *	39.97 *	38.32 *	36.37 *	42.19 *
17	19.32 *	38.57 *	38.36 *	37.92 *	37.27 *	36.47 *	35.45 *	34.16 *	32.61 *	38.14 *
15	15.97 *	31.88 *	31.72 *	31.39 *	30.93 *	30.35 *	29.56 *	28.57 *	27.38 *	32.23 *
13	16.38 *	32.70 *	32.54 *	32.23 *	31.81 *	31.24 *	30.47 *	29.52 *	28.38 *	33.53 *
11	16.73 *	33.40 *	33.26 *	32.98 *	32.58 *	32.00 *	31.25 *	30.35 *	29.25 *	34.68 *
9	17.03 *	34.01 *	33.87 *	33.59 *	33.18 *	32.62 *	31.93 *	31.06 *	30.00 *	35.68 *
7	17.28 *	34.50 *	34.35 *	34.06 *	33.65 *	33.15 *	32.50 *	31.67 *	30.62 *	36.48 *
5	17.48 *	34.88 *	34.68 *	34.40 *	34.04 *	33.56 *	32.93 *	32.12 *	31.11 *	37.15 *
3	17.60 *	35.09 *	34.88 *	34.64 *	34.31 *	33.83 *	33.21 *	32.43 *	31.45 *	37.60 *
1	17.62 *	35.14 *	34.97 *	34.75 *	34.41 *	33.95 *	33.35 *	32.60 *	31.63 *	37.81 *
0	8.79 *	17.53 *	17.46 *	17.35 *	17.20 *	16.97 *	16.68 *	16.31 *	15.83 *	18.92 *
-1	8.79 *	17.53 *	17.46 *	17.35 *	17.20 *	16.97 *	16.68 *	16.31 *	15.83 *	18.92 *
	17.62 *	35.14 *	34.97 *	34.75 *	34.41 *	33.95 *	33.35 *	32.60 *	31.63 *	37.81 *



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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	17.60 *	35.09 *	34.88 *	34.64 *	34.31 *	33.83 *	33.21 *	32.43 *	31.45 *	37.60 *
<b>-5</b>	17.48 *	34.88 *	34.68 *	34.40 *	34.04 *	33.56 *	32.93 *	32.12 *	31.11 *	37.15 *
<b>-7</b>	17.28 *	34.50 *	34.35 *	34.06 *	33.65 *	33.15 *	32.50 *	31.67 *	30.62 *	36.48 *
<b>-9</b>	17.03 *	34.01 *	33.87 *	33.59 *	33.18 *	32.62 *	31.93 *	31.06 *	30.00 *	35.68 *
<b>-11</b>	16.73 *	33.40 *	33.26 *	32.98 *	32.58 *	32.00 *	31.25 *	30.35 *	29.25 *	34.68 *
<b>-13</b>	16.38 *	32.70 *	32.54 *	32.23 *	31.81 *	31.24 *	30.47 *	29.52 *	28.38 *	33.53 *
<b>-15</b>	15.97 *	31.88 *	31.72 *	31.39 *	30.93 *	30.35 *	29.56 *	28.57 *	27.38 *	32.23 *
<b>-17</b>	19.32 *	38.57 *	38.36 *	37.92 *	37.27 *	36.47 *	35.45 *	34.16 *	32.61 *	38.14 *
<b>-19.5</b>	22.15 *	44.19 *	43.86 *	43.26 *	42.38 *	41.30 *	39.97 *	38.32 *	36.37 *	42.19 *
<b>-22.5</b>	20.75 *	41.33 *	40.91 *	40.23 *	39.27 *	38.06 *	36.57 *	34.79 *	32.75 *	37.56 *
<b>-25.5</b>	21.70 *	43.16 *	42.60 *	41.74 *	40.54 *	38.98 *	37.09 *	34.93 *	32.53 *	36.88 *
<b>-29</b>	20.20 *	40.11 *	39.47 *	38.51 *	37.17 *	35.44 *	33.43 *	31.31 *	29.06 *	32.89 *
<b>-33</b>	16.39 *	32.55 *	32.03 *	31.22 *	30.12 *	28.75 *	27.18 *	25.55 *	23.90 *	27.41 *
<b>-37.5</b>	12.18 *	24.28 *	23.98 *	23.47 *	22.82 *	22.01 *	21.05 *	19.96 *	18.81 *	21.82 *
<b>-42.5</b>	8.07 *	16.11 *	15.93 *	15.61 *	15.24 *	14.77 *	14.21 *	13.55 *	12.83 *	14.94 *
<b>-47.5</b>	7.05 *	14.09 *	13.95 *	13.70 *	13.40 *	13.02	12.56	12.03	11.42	13.36
<b>-55</b>	4.03	8.07	8.03	7.94	7.84	7.69	7.50	7.27	7.01	8.33
<b>-65</b>	1.48	2.95	2.95	2.95	2.95	2.95	2.93	2.90	2.85	3.47
<b>-75</b>	0.56	1.12	1.12	1.12	1.13	1.14	1.14	1.13	1.12	1.37
<b>-85</b>	0.08	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.17
<b>-90</b>										
<b>Total</b>	597.67	1191.66	1182.19	1166.43	1144.74	1116.77	1082.22	1041.37	994.12	1165.25

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>19.5</u></b>	<b><u>22.5</u></b>	<b><u>25.5</u></b>	<b><u>29</u></b>	<b><u>33</u></b>	<b><u>37.5</u></b>	<b><u>42.5</u></b>	<b><u>47.5</u></b>	<b><u>55</u></b>	<b><u>65</u></b>
<b>90</b>	0.19	0.18	0.20	0.21	0.21	0.21	0.18	0.23	0.20	0.10
<b>85</b>	1.60	1.53	1.63	1.62	1.57	1.50	1.28	1.55	1.33	0.63
<b>75</b>	4.01	3.80	4.08	4.15	4.05	3.81	3.11	3.48	2.72	1.17
<b>65</b>	9.36	8.66	9.17	9.22	8.79	7.91	6.17	6.46	4.59	1.76
<b>55</b>	14.67	13.16	13.47	13.02	11.85	10.14	7.51	7.39	4.83	1.71

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

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>	16.22 *	14.31 *	14.36 *	13.52	11.92	9.79	6.92	6.47	3.96	1.31
<b>42.5</b>	23.53 *	20.63 *	20.54 *	19.10 *	16.52 *	13.18	8.96	8.00	4.61	1.44
<b>37.5</b>	29.20 *	25.32 *	24.92 *	22.97 *	19.70 *	15.45 *	10.21	8.72	4.72	1.40
<b>33</b>	34.46 *	29.30 *	28.35 *	25.77 *	21.86 *	17.01 *	11.05	9.11	4.66	1.32
<b>29</b>	38.44 *	32.19 *	30.55 *	27.28 *	22.79 *	17.58 *	11.31 *	9.10	4.46	1.21
<b>25.5</b>	39.57 *	33.22 *	31.12 *	27.25 *	22.40 *	17.08 *	10.96 *	8.70	4.12	1.08
<b>22.5</b>	45.13 *	38.47 *	36.08 *	31.09 *	25.12 *	18.95 *	12.12 *	9.51	4.37	1.11
<b>19.5</b>	41.30 *	35.73 *	33.90 *	29.05 *	23.06 *	17.18 *	10.91 *	8.51	3.83	0.94
<b>17</b>	35.14 *	30.70 *	29.48 *	25.30 *	19.81 *	14.58 *	9.23 *	7.18	3.18	0.76
<b>15</b>	36.78 *	32.36 *	31.31 *	26.96 *	20.96 *	15.30 *	9.65 *	7.49	3.27	0.77
<b>13</b>	38.24 *	33.84 *	32.97 *	28.50 *	22.08 *	16.00 *	10.03 *	7.75	3.34	0.77
<b>11</b>	39.49 *	35.11 *	34.42 *	29.92 *	23.11 *	16.60 *	10.36 *	7.97	3.40	0.78
<b>9</b>	40.51 *	36.14 *	35.61 *	31.09 *	23.98 *	17.10 *	10.63 *	8.14	3.45	0.78
<b>7</b>	41.34 *	36.96 *	36.51 *	31.98 *	24.65 *	17.49 *	10.84 *	8.28	3.49	0.79
<b>5</b>	41.92 *	37.55 *	37.16 *	32.62 *	25.13 *	17.80 *	11.03 *	8.40 *	3.51	0.79
<b>3</b>	42.22 *	37.90 *	37.53 *	32.99 *	25.43 *	17.98 *	11.14 *	8.45 *	3.52	0.79
<b>1</b>	21.15 *	19.00 *	18.82 *	16.56 *	12.78 *	9.02 *	5.57 *	4.22 *	1.75	0.39
<b>0</b>	21.15 *	19.00 *	18.82 *	16.56 *	12.78 *	9.02 *	5.57 *	4.22 *	1.75	0.39
<b>-1</b>	42.22 *	37.90 *	37.53 *	32.99 *	25.43 *	17.98 *	11.14 *	8.45 *	3.52	0.79
<b>-3</b>	41.92 *	37.55 *	37.16 *	32.62 *	25.13 *	17.80 *	11.03 *	8.40 *	3.51	0.79
<b>-5</b>	41.34 *	36.96 *	36.51 *	31.98 *	24.65 *	17.49 *	10.84 *	8.28	3.49	0.79
<b>-7</b>	40.51 *	36.14 *	35.61 *	31.09 *	23.98 *	17.10 *	10.63 *	8.14	3.45	0.78
<b>-9</b>	39.49 *	35.11 *	34.42 *	29.92 *	23.11 *	16.60 *	10.36 *	7.97	3.40	0.78
<b>-11</b>	38.24 *	33.84 *	32.97 *	28.50 *	22.08 *	16.00 *	10.03 *	7.75	3.34	0.77
<b>-13</b>	36.78 *	32.36 *	31.31 *	26.96 *	20.96 *	15.30 *	9.65 *	7.49	3.27	0.77
<b>-15</b>	35.14 *	30.70 *	29.48 *	25.30 *	19.81 *	14.58 *	9.23 *	7.18	3.18	0.76
<b>-17</b>	41.30 *	35.73 *	33.90 *	29.05 *	23.06 *	17.18 *	10.91 *	8.51	3.83	0.94
<b>-19.5</b>	45.13 *	38.47 *	36.08 *	31.09 *	25.12 *	18.95 *	12.12 *	9.51	4.37	1.11

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

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	39.57 *	33.22 *	31.12 *	27.25 *	22.40 *	17.08 *	10.96 *	8.70	4.12	1.08
<b>-25.5</b>	38.44 *	32.19 *	30.55 *	27.28 *	22.79 *	17.58 *	11.31 *	9.10	4.46	1.21
<b>-29</b>	34.46 *	29.30 *	28.35 *	25.77 *	21.86 *	17.01 *	11.05	9.11	4.66	1.32
<b>-33</b>	29.20 *	25.32 *	24.92 *	22.97 *	19.70 *	15.45 *	10.21	8.72	4.72	1.40
<b>-37.5</b>	23.53 *	20.63 *	20.54 *	19.10 *	16.52 *	13.18	8.96	8.00	4.61	1.44
<b>-42.5</b>	16.22 *	14.31 *	14.36 *	13.52	11.92	9.79	6.92	6.47	3.96	1.31
<b>-47.5</b>	14.67	13.16	13.47	13.02	11.85	10.14	7.51	7.39	4.83	1.71
<b>-55</b>	9.36	8.66	9.17	9.22	8.79	7.91	6.17	6.46	4.59	1.76
<b>-65</b>	4.01	3.80	4.08	4.15	4.05	3.81	3.11	3.48	2.72	1.17
<b>-75</b>	1.60	1.53	1.63	1.62	1.57	1.50	1.28	1.55	1.33	0.63
<b>-85</b>	0.19	0.18	0.20	0.21	0.21	0.21	0.18	0.23	0.20	0.10
<b>-90</b>										
<b>Total</b>	1268.97	1112.13	1084.36	960.35	775.56	583.37	378.37	310.21	154.63	43.62

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	0.02	0.00		3.38
<b>85</b>				
	0.17	0.01		25.36
<b>75</b>				
	0.31	0.01		63.08
<b>65</b>				
	0.43	0.02		146.26
<b>55</b>				
	0.40	0.01		222.76
<b>47.5</b>				
	0.30	0.01		240.37
<b>42.5</b>				
	0.33	0.01		347.21
<b>37.5</b>				
	0.31	0.01		438.04
<b>33</b>				
	0.29	0.01		520.79
<b>29</b>				
	0.27	0.01		565.35
<b>25.5</b>				
	0.23	0.01		557.97
<b>22.5</b>				
	0.24	0.01		616.22
<b>19.5</b>				
	0.20	0.01		552.89
<b>17</b>				
	0.16	0.01		465.51

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

**LUMENS TABULATION - (Cont.)**

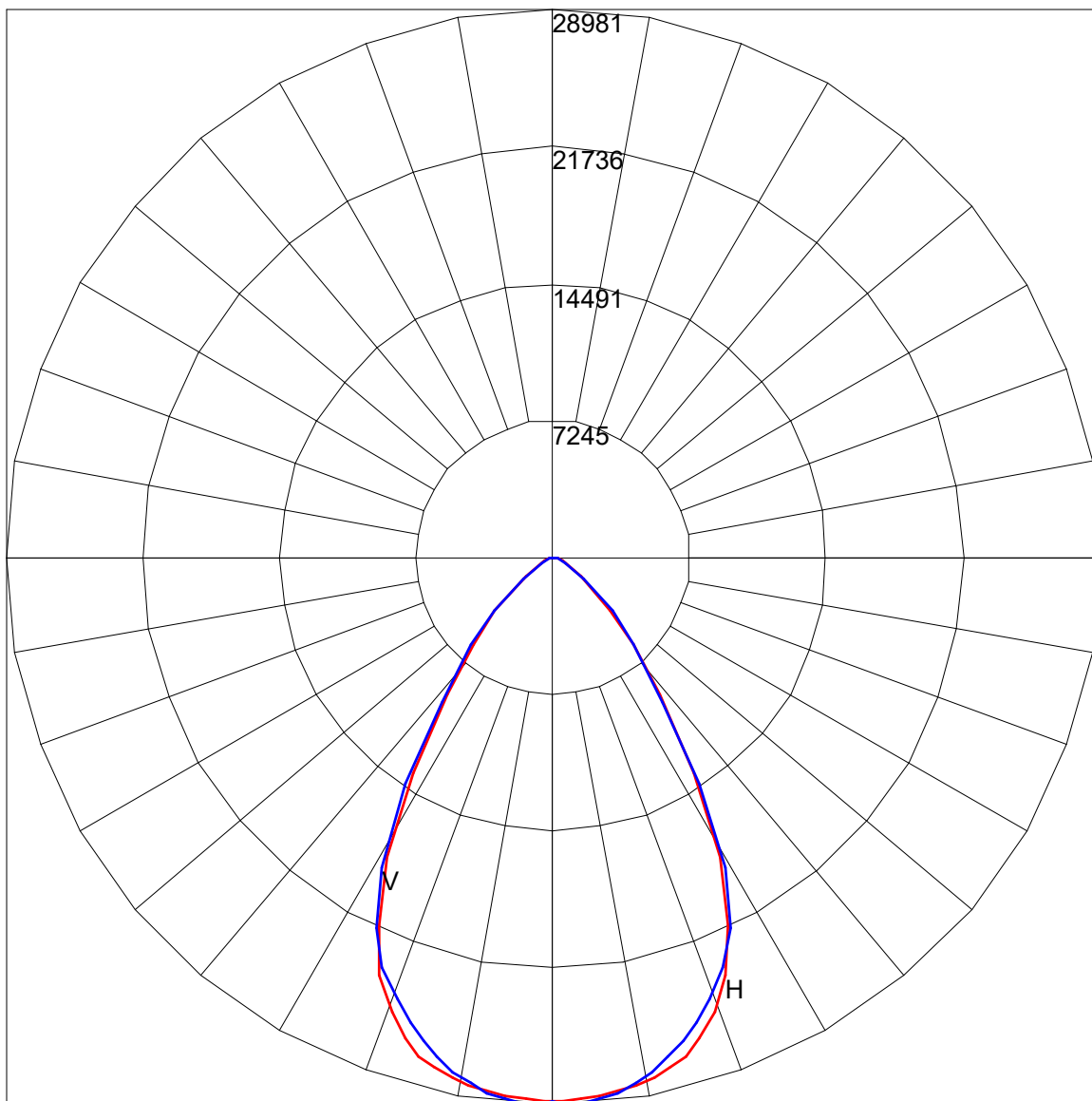
<b>15</b>	0.17	0.01	483.84
<b>13</b>	0.17	0.01	500.18
<b>11</b>	0.17	0.01	514.30
<b>9</b>	0.17	0.01	525.88
<b>7</b>	0.17	0.01	534.86
<b>5</b>	0.17	0.01	541.14
<b>3</b>	0.17	0.01	544.36
<b>1</b>	0.09	0.00	272.38
<b>0</b>	0.09	0.00	272.38
<b>-1</b>	0.17	0.01	544.36
<b>-3</b>	0.17	0.01	541.14
<b>-5</b>	0.17	0.01	534.86
<b>-7</b>	0.17	0.01	525.88
<b>-9</b>	0.17	0.01	514.30
<b>-11</b>	0.17	0.01	500.18
<b>-13</b>	0.17	0.01	483.84
<b>-15</b>	0.16	0.01	465.51
<b>-17</b>	0.20	0.01	552.89
<b>-19.5</b>	0.24	0.01	616.22
<b>-22.5</b>	0.23	0.01	557.97
<b>-25.5</b>	0.27	0.01	565.35
<b>-29</b>	0.29	0.01	520.79
<b>-33</b>	0.31	0.01	438.04
<b>-37.5</b>	0.33	0.01	347.21
<b>-42.5</b>	0.30	0.01	240.37
<b>-47.5</b>	0.40	0.01	222.76
<b>-55</b>	0.43	0.02	146.26
<b>-65</b>	0.31	0.01	63.08

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

**LUMENS TABULATION - (Cont.)**

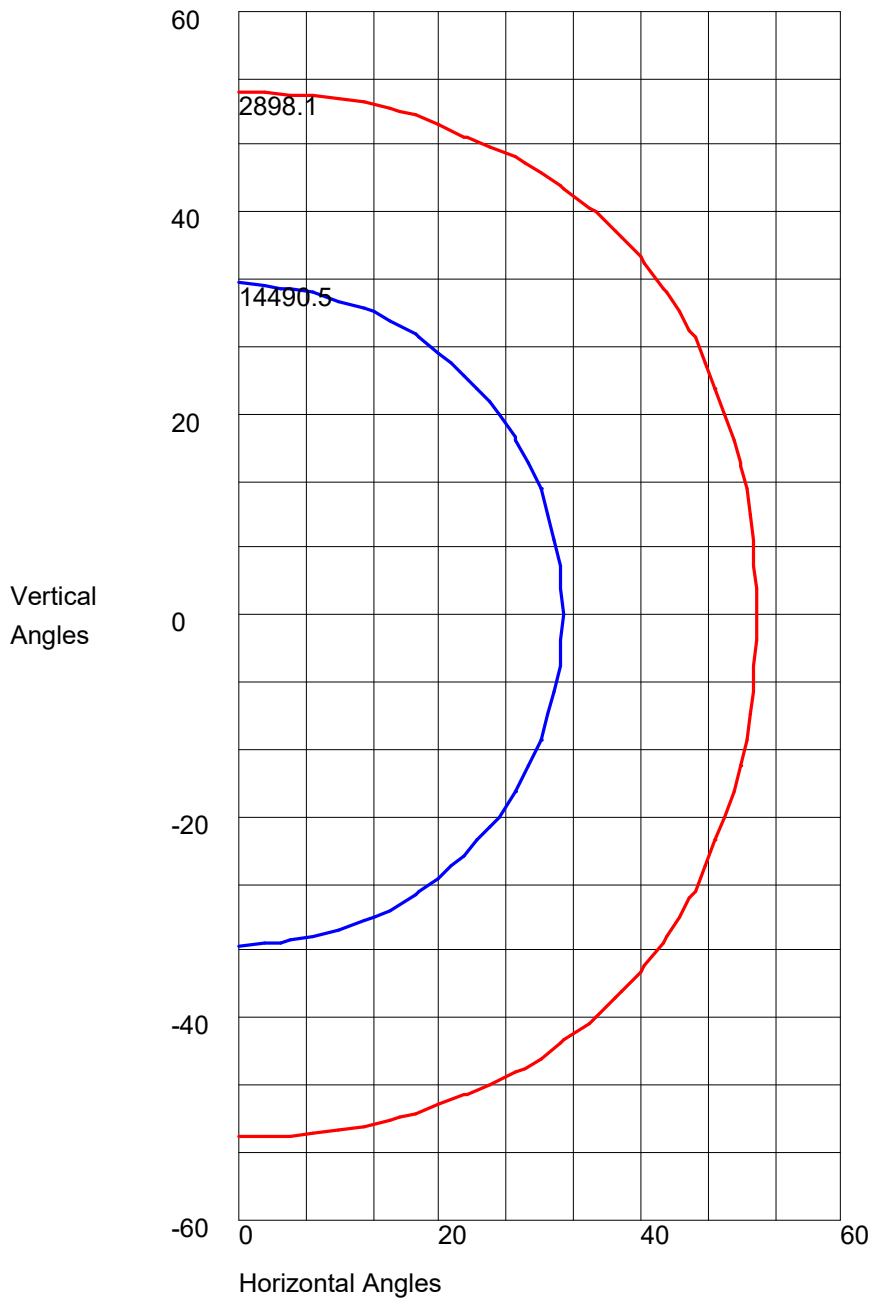
<b>-75</b>	0.17	0.01	25.36
<b>-85</b>	0.02	0.00	3.38
<b>-90</b>			
<b>Total</b>	9.89	0.37	17364.24

AXIAL CANDELA DISPLAY



Maximum Candela = 28981 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 28981 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 14490.5  
10% Maximum Candela = 2898.1