



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12620
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-34L-PC-WF-40-80-HGS
[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	5 H x 5 V
Maximum Candela	26705
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	18955
Beam Efficiency	N.A.
Field Lumens	26740
Field Efficiency	N.A.
Spill Lumens	2042
Luminaire Lumens	28782
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	0
85	10	85	29
75	42	75	163
65	209	65	444
55	991	55	1329
47.5	2651	47.5	3205
42.5	4291	42.5	5258
37.5	6914	37.5	7854
33	10648	33	11489
29	14810	29	15668
25.5	18345	25.5	18824
22.5	20952	22.5	20737
19.5	22954	19.5	22121
17	24391	17	23137
15	25233	15	23850
13	25651	13	24480
11	25967	11	25053
9	26193	9	25561
7	26341	7	25995
5	26422	5	26338
3	26460	3	26600
1	26528	1	26606
0	26566	0	26566
-1	26528	-1	26622
-3	26460	-3	26705
-5	26422	-5	26704
-7	26341	-7	26576
-9	26193	-9	26350
-11	25967	-11	26041
-13	25651	-13	25647
-15	25233	-15	25145
-17	24391	-17	24528
-19.5	22954	-19.5	23728
-22.5	20952	-22.5	21982
-25.5	18345	-25.5	19331
-29	14810	-29	16816
-33	10648	-33	12102
-37.5	6914	-37.5	7421
-42.5	4291	-42.5	4786
-47.5	2651	-47.5	3198
-55	991	-55	1169
-65	209	-65	322
-75	42	-75	10
-85	10	-85	7
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 26705

Beam Edge = 13352.5 Cd (50% of Max.)

Field Edge = 2670.5 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	0	0	0	0	0	0
85.0	0	1	6	12	17	19	20	21	22	23
75.0	0	4	12	19	26	40	55	69	83	102
65.0	0	6	16	28	73	128	170	221	265	306
55.0	0	7	20	57	175	308	418	542	669	787
47.5	0	8	24	87	279	521	723	987	1266	1542
42.5	0	9	28	109	362	700	1010	1429	1890	2368
37.5	0	9	31	131	460	929	1392	2034	2744 *	3485 *
33.0	0	9	34	152	554	1160	1795	2681 *	3633 *	4613 *
29.0	0	9	37	169	628	1391	2186	3294 *	4480 *	5798 *
25.5	0	10	39	182	704	1591	2542	3858 *	5294 *	6950 *
22.5	0	10	41	192	761	1789	2858 *	4337 *	6052 *	8114 *
19.5	0	10	42	201	813	1962	3174 *	4842 *	6814 *	9361 *
17.0	0	10	42	207	862	2099	3388 *	5251 *	7555 *	10406 *
15.0	0	10	43	209	896	2222	3574 *	5552 *	8144 *	11174 *
13.0	0	10	43	211	924	2328	3770 *	5891 *	8655 *	12036 *
11.0	0	10	43	211	948	2417	3940 *	6183 *	9166 *	12808 *
9.0	0	10	43	213	966	2489	4070 *	6420 *	9637 *	13482 *
7.0	0	10	43	214	978	2545	4164 *	6608 *	10012 *	14002 *
5.0	0	10	43	214	990	2588	4224 *	6746 *	10290 *	14394 *
3.0	0	10	43	213	1003	2642	4296 *	6843 *	10476 *	14671 *
1.0	0	10	42	210	995	2648	4293 *	6910 *	10615 *	14798 *
0.0	0	10	42	209	991	2651	4291 *	6914 *	10648 *	14810 *
-1.0	0	10	42	209	991	2647	4298 *	6954 *	10700 *	14893 *
-3.0	0	10	41	208	992	2639	4311 *	6971 *	10728 *	14949 *
-5.0	0	10	41	204	973	2582	4244 *	6914 *	10604 *	14777 *
-7.0	0	10	40	200	956	2537	4187 *	6786 *	10371 *	14484 *
-9.0	0	10	39	195	937	2480	4102 *	6601 *	10037 *	14053 *
-11.0	0	10	38	190	913	2407	3991 *	6360 *	9608 *	13481 *
-13.0	0	9	37	186	882	2317	3853 *	6072 *	9120 *	12801 *
-15.0	0	9	36	180	846	2212	3681 *	5737 *	8631 *	12020 *
-17.0	0	9	35	174	803	2091	3471 *	5418 *	8072 *	11258 *
-19.5	0	9	33	164	742	1934	3191 *	4941 *	7268 *	10063 *
-22.5	0	9	32	151	677	1724	2830 *	4312 *	6319 *	8606 *
-25.5	0	8	29	138	606	1478	2487	3740 *	5362 *	7217 *
-29.0	0	8	27	122	511	1239	2049	3078 *	4334 *	5767 *
-33.0	0	8	24	103	426	980	1565	2395	3284 *	4338 *
-37.5	0	7	22	82	334	742	1142	1715	2352	3044 *
-42.5	0	7	19	63	244	531	798	1175	1590	2028
-47.5	0	6	16	45	169	372	552	800	1056	1358
-55.0	0	5	13	24	81	176	264	365	478	582
-65.0	0	4	8	13	19	38	64	96	129	159
-75.0	0	2	4	6	7	8	9	9	10	11
-85.0	0	1	1	2	3	4	4	4	4	5
-90.0	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	24	25	26	26	27	27	28	29	29	28
75.0	119	132	142	149	155	157	159	160	161	164
65.0	342	370	394	412	425	435	440	443	445	444
55.0	897	976	1060	1143	1200	1249	1281	1300	1310	1328
47.5	1794	2064	2300	2485	2641	2782 *	2906 *	3007 *	3087 *	3134 *
42.5	2831 *	3247 *	3697 *	4037 *	4283 *	4522 *	4744 *	4920 *	5051 *	5148 *
37.5	4207 *	4821 *	5470 *	5989 *	6360 *	6737 *	7069 *	7349 *	7550 *	7702 *
33.0	5596 *	6520 *	7473 *	8286 *	8893 *	9443 *	10027 *	10544 *	10927 *	11214 *
29.0	7153 *	8500 *	9873 *	11035 *	11990 *	12961 *	13709 *	14343 *	14869 *	15281 *
25.5	8786 *	10558 *	12404 *	14076 *	15165 *	16081 *	16893 *	17557 *	18100 *	18469 *
22.5	10362 *	12532 *	14710 *	16356 *	17528 *	18387 *	19101 *	19643 *	20106 *	20434 *
19.5	11986 *	14444 *	16626 *	18239 *	19370 *	20236 *	20858 *	21305 *	21662 *	21900 *
17.0	13370 *	15853 *	18013 *	19583 *	20708 *	21420 *	22009 *	22424 *	22724 *	22911 *
15.0	14355 *	16867 *	18961 *	20567 *	21547 *	22288 *	22773 *	23187 *	23471 *	23641 *
13.0	15251 *	17785 *	19827 *	21394 *	22423 *	23006 *	23492 *	23859 *	24153 *	24320 *
11.0	16110 *	18631 *	20621 *	22231 *	23109 *	23698 *	24128 *	24479 *	24757 *	24916 *
9.0	16803 *	19279 *	21272 *	22779 *	23742 *	24270 *	24678 *	24995 *	25252 *	25424 *
7.0	17374 *	19847 *	21847 *	23326 *	24200 *	24762 *	25132 *	25402 *	25652 *	25832 *
5.0	17831 *	20323 *	22296 *	23786 *	24569 *	25108 *	25497 *	25750 *	25932 *	26111 *
3.0	18159 *	20688 *	22638 *	24097 *	24918 *	25385 *	25716 *	25981 *	26187 *	26291 *
1.0	18322 *	20923 *	22871 *	24308 *	25211 *	25626 *	25941 *	26155 *	26301 *	26388 *
0.0	18345 *	20952 *	22954 *	24391 *	25233 *	25651 *	25967 *	26193 *	26341 *	26422 *
-1.0	18409 *	21026 *	22970 *	24393 *	25284 *	25694 *	26009 *	26247 *	26411 *	26474 *
-3.0	18405 *	20971 *	22926 *	24389 *	25234 *	25716 *	26057 *	26317 *	26514 *	26574 *
-5.0	18200 *	20747 *	22760 *	24291 *	25120 *	25679 *	26074 *	26294 *	26420 *	26533 *
-7.0	17865 *	20408 *	22508 *	24059 *	24974 *	25532 *	25870 *	26097 *	26275 *	26450 *
-9.0	17423 *	19979 *	22105 *	23685 *	24657 *	25189 *	25569 *	25837 *	26074 *	26226 *
-11.0	16856 *	19462 *	21582 *	23199 *	24110 *	24754 *	25172 *	25520 *	25770 *	25890 *
-13.0	16142 *	18790 *	20960 *	22526 *	23575 *	24223 *	24719 *	25107 *	25328 *	25461 *
-15.0	15394 *	18044 *	20261 *	21871 *	22881 *	23657 *	24155 *	24547 *	24761 *	24946 *
-17.0	14511 *	17171 *	19428 *	21018 *	22159 *	22910 *	23499 *	23879 *	24150 *	24348 *
-19.5	13263 *	15725 *	18196 *	19763 *	20930 *	21848 *	22502 *	22922 *	23254 *	23501 *
-22.5	11323 *	13699 *	15912 *	17564 *	18729 *	19676 *	20407 *	20919 *	21415 *	21813 *
-25.5	9293 *	11427 *	13509 *	14945 *	16115 *	17047 *	17726 *	18431 *	18896 *	19139 *
-29.0	7304 *	8788 *	10437 *	11955 *	13076 *	14053 *	14930 *	15783 *	16397 *	16623 *
-33.0	5369 *	6362 *	7362 *	8372 *	9078 *	9713 *	10463 *	11106 *	11550 *	11848 *
-37.5	3695 *	4278 *	4973 *	5523 *	5912 *	6388 *	6817 *	7177 *	7345 *	7412 *
-42.5	2470	2870 *	3274 *	3581 *	3840 *	4088 *	4313 *	4481 *	4604 *	4699 *
-47.5	1640	1894	2154	2376	2550	2709 *	2850 *	2950 *	3035 *	3106 *
-55.0	697	790	886	971	1033	1089	1127	1152	1169	1179
-65.0	186	209	233	254	270	284	295	304	312	319
-75.0	12	12	12	12	12	12	12	11	11	11
-85.0	6	6	7	7	7	7	7	7	7	7
-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	28	29	29	29	28	28	29	29	28	27
75.0	164	163	163	163	164	164	161	160	159	157
65.0	446	445	444	445	446	444	445	443	440	435

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CANDELA TABULATION - (Cont.)

55.0	1347	1335	1329	1335	1347	1328	1310	1300	1281	1249
47.5	3170 *	3193 *	3205 *	3193 *	3170 *	3134 *	3087 *	3007 *	2906 *	2782 *
42.5	5254 *	5257 *	5258 *	5257 *	5254 *	5148 *	5051 *	4920 *	4744 *	4522 *
37.5	7865 *	7877 *	7854 *	7877 *	7865 *	7702 *	7550 *	7349 *	7069 *	6737 *
33.0	11456 *	11510 *	11489 *	11510 *	11456 *	11214 *	10927 *	10544 *	10027 *	9443 *
29.0	15588 *	15691 *	15668 *	15691 *	15588 *	15281 *	14869 *	14343 *	13709 *	12961 *
25.5	18722 *	18840 *	18824 *	18840 *	18722 *	18469 *	18100 *	17557 *	16893 *	16081 *
22.5	20646 *	20766 *	20737 *	20766 *	20646 *	20434 *	20106 *	19643 *	19101 *	18387 *
19.5	22085 *	22134 *	22121 *	22134 *	22085 *	21900 *	21662 *	21305 *	20858 *	20236 *
17.0	23043 *	23099 *	23137 *	23099 *	23043 *	22911 *	22724 *	22424 *	22009 *	21420 *
15.0	23764 *	23808 *	23850 *	23808 *	23764 *	23641 *	23471 *	23187 *	22773 *	22288 *
13.0	24428 *	24416 *	24480 *	24416 *	24428 *	24320 *	24153 *	23859 *	23492 *	23006 *
11.0	25019 *	24994 *	25053 *	24994 *	25019 *	24916 *	24757 *	24479 *	24128 *	23698 *
9.0	25519 *	25542 *	25561 *	25542 *	25519 *	25424 *	25252 *	24995 *	24678 *	24270 *
7.0	25941 *	26002 *	25995 *	26002 *	25941 *	25832 *	25652 *	25402 *	25132 *	24762 *
5.0	26249 *	26343 *	26338 *	26343 *	26249 *	26111 *	25932 *	25750 *	25497 *	25108 *
3.0	26415 *	26568 *	26600 *	26568 *	26415 *	26291 *	26187 *	25981 *	25716 *	25385 *
1.0	26463 *	26564 *	26606 *	26564 *	26463 *	26388 *	26301 *	26155 *	25941 *	25626 *
0.0	26460 *	26528 *	26566 *	26528 *	26460 *	26422 *	26341 *	26193 *	25967 *	25651 *
-1.0	26550 *	26581 *	26622 *	26581 *	26550 *	26474 *	26411 *	26247 *	26009 *	25694 *
-3.0	26593 *	26672 *	26705 *	26672 *	26593 *	26574 *	26514 *	26317 *	26057 *	25716 *
-5.0	26623 *	26666 *	26704 *	26666 *	26623 *	26533 *	26420 *	26294 *	26074 *	25679 *
-7.0	26525 *	26547 *	26576 *	26547 *	26525 *	26450 *	26275 *	26097 *	25870 *	25532 *
-9.0	26304 *	26317 *	26350 *	26317 *	26304 *	26226 *	26074 *	25837 *	25569 *	25189 *
-11.0	25974 *	25987 *	26041 *	25987 *	25974 *	25890 *	25770 *	25520 *	25172 *	24754 *
-13.0	25554 *	25578 *	25647 *	25578 *	25554 *	25461 *	25328 *	25107 *	24719 *	24223 *
-15.0	25051 *	25100 *	25145 *	25100 *	25051 *	24946 *	24761 *	24547 *	24155 *	23657 *
-17.0	24440 *	24481 *	24528 *	24481 *	24440 *	24348 *	24150 *	23879 *	23499 *	22910 *
-19.5	23601 *	23671 *	23728 *	23671 *	23601 *	23501 *	23254 *	22922 *	22502 *	21848 *
-22.5	22003 *	22048 *	21982 *	22048 *	22003 *	21813 *	21415 *	20919 *	20407 *	19676 *
-25.5	19253 *	19314 *	19331 *	19314 *	19253 *	19139 *	18896 *	18431 *	17726 *	17047 *
-29.0	16774 *	16829 *	16816 *	16829 *	16774 *	16623 *	16397 *	15783 *	14930 *	14053 *
-33.0	12024 *	12101 *	12102 *	12101 *	12024 *	11848 *	11550 *	11106 *	10463 *	9713 *
-37.5	7394 *	7433 *	7421 *	7433 *	7394 *	7412 *	7345 *	7177 *	6817 *	6388 *
-42.5	4794 *	4789 *	4786 *	4789 *	4794 *	4699 *	4604 *	4481 *	4313 *	4088 *
-47.5	3177 *	3191 *	3198 *	3191 *	3177 *	3106 *	3035 *	2950 *	2850 *	2709 *
-55.0	1188	1175	1169	1175	1188	1179	1169	1152	1127	1089
-65.0	324	323	322	323	324	319	312	304	295	284
-75.0	11	10	10	10	11	11	11	11	12	12
-85.0	7	7	7	7	7	7	7	7	7	7
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0	0
85.0	27	26	26	25	24	23	22	21	20	19
75.0	155	149	142	132	119	102	83	69	55	40
65.0	425	412	394	370	342	306	265	221	170	128
55.0	1200	1143	1060	976	897	787	669	542	418	308
47.5	2641	2485	2300	2064	1794	1542	1266	987	723	521
42.5	4283 *	4037 *	3697 *	3247 *	2831 *	2368 *	1890 *	1429 *	1010 *	700 *
37.5	6360 *	5989 *	5470 *	4821 *	4207 *	3485 *	2744 *	2034 *	1392 *	929 *
33.0	8893 *	8286 *	7473 *	6520 *	5596 *	4613 *	3633 *	2681 *	1795 *	1160 *
29.0	11990 *	11035 *	9873 *	8500 *	7153 *	5798 *	4480 *	3294 *	2186 *	1391 *
25.5	15165 *	14076 *	12404 *	10558 *	8786 *	6950 *	5294 *	3858 *	2542 *	1591 *

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CANDELA TABULATION - (Cont.)

22.5	17528 *	16356 *	14710 *	12532 *	10362 *	8114 *	6052 *	4337 *	2858 *	1789
19.5	19370 *	18239 *	16626 *	14444 *	11986 *	9361 *	6814 *	4842 *	3174 *	1962
17.0	20708 *	19583 *	18013 *	15853 *	13370 *	10406 *	7555 *	5251 *	3388 *	2099
15.0	21547 *	20567 *	18961 *	16867 *	14355 *	11174 *	8144 *	5552 *	3574 *	2222
13.0	22423 *	21394 *	19827 *	17785 *	15251 *	12036 *	8655 *	5891 *	3770 *	2328
11.0	23109 *	22231 *	20621 *	18631 *	16110 *	12808 *	9166 *	6183 *	3940 *	2417
9.0	23742 *	22779 *	21272 *	19279 *	16803 *	13482 *	9637 *	6420 *	4070 *	2489
7.0	24200 *	23326 *	21847 *	19847 *	17374 *	14002 *	10012 *	6608 *	4164 *	2545
5.0	24569 *	23786 *	22296 *	20323 *	17831 *	14394 *	10290 *	6746 *	4224 *	2588
3.0	24918 *	24097 *	22638 *	20688 *	18159 *	14671 *	10476 *	6843 *	4296 *	2642
1.0	25211 *	24308 *	22871 *	20923 *	18322 *	14798 *	10615 *	6910 *	4293 *	2648
0.0	25233 *	24391 *	22954 *	20952 *	18345 *	14810 *	10648 *	6914 *	4291 *	2651
-1.0	25284 *	24393 *	22970 *	21026 *	18409 *	14893 *	10700 *	6954 *	4298 *	2647
-3.0	25234 *	24389 *	22926 *	20971 *	18405 *	14949 *	10728 *	6971 *	4311 *	2639
-5.0	25120 *	24291 *	22760 *	20747 *	18200 *	14777 *	10604 *	6914 *	4244 *	2582
-7.0	24974 *	24059 *	22508 *	20408 *	17865 *	14484 *	10371 *	6786 *	4187 *	2537
-9.0	24657 *	23685 *	22105 *	19979 *	17423 *	14053 *	10037 *	6601 *	4102 *	2480
-11.0	24110 *	23199 *	21582 *	19462 *	16856 *	13481 *	9608 *	6360 *	3991 *	2407
-13.0	23575 *	22526 *	20960 *	18790 *	16142 *	12801 *	9120 *	6072 *	3853 *	2317
-15.0	22881 *	21871 *	20261 *	18044 *	15394 *	12020 *	8631 *	5737 *	3681 *	2212
-17.0	22159 *	21018 *	19428 *	17171 *	14511 *	11258 *	8072 *	5418 *	3471 *	2091
-19.5	20930 *	19763 *	18196 *	15725 *	13263 *	10063 *	7268 *	4941 *	3191 *	1934
-22.5	18729 *	17564 *	15912 *	13699 *	11323 *	8606 *	6319 *	4312 *	2830 *	1724
-25.5	16115 *	14945 *	13509 *	11427 *	9293 *	7217 *	5362 *	3740 *	2487 *	1478
-29.0	13076 *	11955 *	10437 *	8788 *	7304 *	5767 *	4334 *	3078 *	2049 *	1239
-33.0	9078 *	8372 *	7362 *	6362 *	5369 *	4338 *	3284 *	2395 *	1565 *	980
-37.5	5912 *	5523 *	4973 *	4278 *	3695 *	3044 *	2352 *	1715 *	1142 *	742
-42.5	3840 *	3581 *	3274 *	2870 *	2470 *	2028 *	1590 *	1175 *	798 *	531
-47.5	2550 *	2376 *	2154 *	1894 *	1640 *	1358 *	1056 *	800 *	552 *	372
-55.0	1033 *	971 *	886 *	790 *	697 *	582 *	478 *	365 *	264 *	176
-65.0	270 *	254 *	233 *	209 *	186 *	159 *	129 *	96 *	64 *	38
-75.0	12 *	12 *	12 *	12 *	12 *	11 *	10 *	9 *	9 *	8
-85.0	7 *	7 *	7 *	6 *	6 *	5 *	4 *	4 *	4 *	4
-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	17	12	6	1	0
75.0	26	19	12	4	0
65.0	73	28	16	6	0
55.0	175	57	20	7	0
47.5	279	87	24	8	0
42.5	362	109	28	9	0
37.5	460	131	31	9	0
33.0	554	152	34	9	0
29.0	628	169	37	9	0
25.5	704	182	39	10	0
22.5	761	192	41	10	0
19.5	813	201	42	10	0
17.0	862	207	42	10	0
15.0	896	209	43	10	0
13.0	924	211	43	10	0
11.0	948	211	43	10	0
9.0	966	213	43	10	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	978	214	43	10	0
5.0	990	214	43	10	0
3.0	1003	213	43	10	0
1.0	995	210	42	10	0
0.0	991	209	42	10	0
-1.0	991	209	42	10	0
-3.0	992	208	41	10	0
-5.0	973	204	41	10	0
-7.0	956	200	40	10	0
-9.0	937	195	39	10	0
-11.0	913	190	38	10	0
-13.0	882	186	37	9	0
-15.0	846	180	36	9	0
-17.0	803	174	35	9	0
-19.5	742	164	33	9	0
-22.5	677	151	32	9	0
-25.5	606	138	29	8	0
-29.0	511	122	27	8	0
-33.0	426	103	24	8	0
-37.5	334	82	22	7	0
-42.5	244	63	19	7	0
-47.5	169	45	16	6	0
-55.0	81	24	13	5	0
-65.0	19	13	8	4	0
-75.0	7	6	4	2	0
-85.0	3	2	1	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 14391.01

Total Field Lumens (one side of beam only) = 13370.19

* 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	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
75	0.29	0.58	0.58	0.58	0.57	0.56	0.55	0.54	0.52	0.62
65	0.93	1.85	1.85	1.84	1.82	1.80	1.77	1.73	1.67	1.98
55	2.71	5.44	5.42	5.34	5.28	5.20	5.07	4.89	4.66	5.44
47.5	5.18	10.33	10.23	10.06	9.85	9.55	9.18	8.72	8.20	9.48
42.5	6.44 *	12.84 *	12.69 *	12.44 *	12.11 *	11.68 *	11.14 *	10.51 *	9.84 *	11.32 *
37.5	9.99 *	19.98 *	19.73 *	19.27 *	18.75 *	18.06 *	17.19 *	16.18 *	15.13 *	17.35 *
33	13.27 *	26.51 *	26.14 *	25.49 *	24.68 *	23.62 *	22.31 *	20.90 *	19.45 *	22.14 *
29	16.56 *	33.03 *	32.54 *	31.68 *	30.58 *	29.17 *	27.49 *	25.59 *	23.54 *	26.52 *
25.5	18.40 *	36.67 *	36.19 *	35.37 *	34.24 *	32.81 *	31.10 *	29.07 *	26.78 *	29.99 *
22.5	18.09 *	36.06 *	35.68 *	35.04 *	34.12 *	32.93 *	31.49 *	29.77 *	27.72 *	31.21 *
19.5	19.59 *	39.10 *	38.77 *	38.22 *	37.43 *	36.41 *	35.12 *	33.48 *	31.40 *	35.76 *
17	17.23 *	34.38 *	34.16 *	33.78 *	33.22 *	32.47 *	31.48 *	30.20 *	28.51 *	32.75 *
15	14.30 *	28.53 *	28.37 *	28.10 *	27.69 *	27.12 *	26.37 *	25.41 *	24.13 *	27.89 *
13	14.71 *	29.35 *	29.22 *	28.96 *	28.56 *	27.99 *	27.28 *	26.38 *	25.16 *	29.20 *
11	15.07 *	30.09 *	29.99 *	29.73 *	29.33 *	28.78 *	28.10 *	27.26 *	26.11 *	30.40 *
9	15.41 *	30.77 *	30.65 *	30.40 *	30.01 *	29.48 *	28.83 *	28.02 *	26.90 *	31.42 *
7	15.70 *	31.36 *	31.21 *	30.95 *	30.56 *	30.06 *	29.45 *	28.66 *	27.54 *	32.26 *
5	15.94 *	31.82 *	31.64 *	31.36 *	30.99 *	30.53 *	29.94 *	29.15 *	28.07 *	33.00 *
3	16.12 *	32.14 *	31.93 *	31.66 *	31.33 *	30.88 *	30.30 *	29.55 *	28.51 *	33.56 *
1	16.20 *	32.27 *	32.07 *	31.86 *	31.56 *	31.14 *	30.59 *	29.89 *	28.85 *	33.96 *
0	8.09 *	16.14 *	16.06 *	15.97 *	15.83 *	15.64 *	15.37 *	15.03 *	14.51 *	17.09 *
-1	8.09 *	16.15 *	16.09 *	16.00 *	15.86 *	15.66 *	15.39 *	15.05 *	14.54 *	17.12 *
	16.23 *	32.39 *	32.27 *	32.10 *	31.82 *	31.39 *	30.83 *	30.13 *	29.08 *	34.23 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	16.26 *	32.44 *	32.31 *	32.12 *	31.84 *	31.42 *	30.85 *	30.07 *	29.00 *	34.12 *
-5	16.22 *	32.38 *	32.25 *	32.01 *	31.70 *	31.30 *	30.73 *	29.94 *	28.82 *	33.85 *
-7	16.11 *	32.17 *	32.06 *	31.82 *	31.46 *	31.01 *	30.44 *	29.66 *	28.51 *	33.40 *
-9	15.95 *	31.84 *	31.72 *	31.49 *	31.13 *	30.63 *	30.00 *	29.17 *	28.01 *	32.75 *
-11	15.73 *	31.38 *	31.26 *	31.04 *	30.68 *	30.15 *	29.46 *	28.57 *	27.35 *	31.92 *
-13	15.45 *	30.83 *	30.69 *	30.44 *	30.09 *	29.56 *	28.83 *	27.88 *	26.60 *	30.96 *
-15	15.12 *	30.16 *	30.02 *	29.75 *	29.36 *	28.82 *	28.07 *	27.07 *	25.75 *	29.86 *
-17	18.35 *	36.60 *	36.42 *	36.07 *	35.52 *	34.80 *	33.80 *	32.45 *	30.70 *	35.44 *
-19.5	20.89 *	41.70 *	41.44 *	40.89 *	40.05 *	39.03 *	37.73 *	35.99 *	33.81 *	38.75 *
-22.5	18.89 *	37.73 *	37.47 *	36.93 *	36.04 *	34.86 *	33.45 *	31.73 *	29.58 *	33.59 *
-25.5	19.27 *	38.45 *	38.17 *	37.67 *	36.69 *	35.10 *	33.24 *	31.18 *	28.74 *	32.17 *
-29	17.62 *	35.15 *	34.80 *	34.18 *	33.08 *	31.37 *	29.29 *	27.14 *	24.88 *	27.57 *
-33	13.38 *	26.68 *	26.44 *	26.01 *	25.23 *	24.00 *	22.38 *	20.68 *	19.03 *	21.34 *
-37.5	9.30 *	18.58 *	18.46 *	18.22 *	17.80 *	17.09 *	16.09 *	14.95 *	13.80 *	15.68 *
-42.5	6.08 *	12.14 *	11.98 *	11.70 *	11.36 *	10.94 *	10.40 *	9.74 *	9.04 *	10.29 *
-47.5	4.99	9.97	9.86	9.64	9.40	9.09	8.69	8.18	7.61	8.66
-55	2.28	4.58	4.57	4.51	4.43	4.32	4.16	3.95	3.70	4.24
-65	0.51	1.02	1.01	0.99	0.96	0.93	0.90	0.85	0.80	0.92
-75	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	526.95	1051.68	1044.53	1031.78	1013.12	987.47	954.98	915.46	866.66	1000.33

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.02
85	0.69	0.63	0.63	0.60	0.55	0.48	0.36	0.36	0.28	0.13
75	2.21	2.01	2.06	1.97	1.79	1.50	1.06	0.95	0.56	0.20
65	5.97	5.39	5.53	5.29	4.75	3.94	2.76	2.44	1.27	0.31
55	10.24	8.97	8.92	8.35	7.27	5.84	3.98	3.44	1.71	0.37

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	12.06 *	10.37	10.11	9.22	7.79	6.05	3.98	3.33	1.59	0.32
42.5	18.38 *	15.76 *	15.27 *	13.69	11.33	8.55	5.42	4.38	2.02	0.39
37.5	23.31 *	19.86 *	19.09 *	17.00 *	13.97 *	10.37	6.39	4.99	2.22	0.41
33	27.61 *	23.18 *	21.95 *	19.34 *	15.77 *	11.61	7.03	5.33	2.29	0.41
29	30.85 *	25.56 *	23.79 *	20.58 *	16.57 *	12.12 *	7.26	5.39	2.24	0.39
25.5	32.12 *	26.44 *	24.32 *	20.68 *	16.40 *	11.89 *	7.09	5.19	2.10	0.35
22.5	37.31 *	30.88 *	28.30 *	23.76 *	18.50 *	13.31 *	7.90	5.71	2.24	0.37
19.5	34.62 *	29.04 *	26.73 *	22.28 *	17.11 *	12.14 *	7.15	5.12	1.98	0.32
17	29.73 *	25.23 *	23.36 *	19.46 *	14.83 *	10.36 *	6.07 *	4.34	1.65	0.26
15	31.32 *	26.82 *	25.03 *	20.89 *	15.80 *	10.96 *	6.40 *	4.55	1.70	0.26
13	32.78 *	28.29 *	26.63 *	22.28 *	16.73 *	11.54 *	6.70 *	4.73	1.74	0.26
11	34.04 *	29.56 *	28.05 *	23.54 *	17.57 *	12.02 *	6.95 *	4.87	1.78	0.27
9	35.08 *	30.59 *	29.22 *	24.61 *	18.29 *	12.40 *	7.14 *	4.99	1.80	0.27
7	35.96 *	31.46 *	30.14 *	25.43 *	18.83 *	12.68 *	7.28 *	5.07	1.82	0.27
5	36.66 *	32.14 *	30.83 *	26.02 *	19.22 *	12.89 *	7.40 *	5.16	1.84	0.27
3	37.16 *	32.59 *	31.25 *	26.40 *	19.50 *	13.03 *	7.47 *	5.21	1.84	0.26
1	18.70 *	16.39 *	15.70 *	13.28 *	9.82 *	6.53 *	3.74 *	2.60	0.91	0.13
0	18.75 *	16.43 *	15.75 *	13.33 *	9.85 *	6.55 *	3.74 *	2.60	0.91	0.13
-1	37.49 *	32.89 *	31.58 *	26.77 *	19.78 *	13.14 *	7.48 *	5.19	1.83	0.26
-3	37.28 *	32.69 *	31.43 *	26.66 *	19.71 *	13.09 *	7.42 *	5.13	1.81	0.26
-5	36.86 *	32.23 *	30.95 *	26.23 *	19.40 *	12.91 *	7.29 *	5.04	1.77	0.25
-7	36.25 *	31.58 *	30.24 *	25.55 *	18.91 *	12.64 *	7.16 *	4.94	1.74	0.25
-9	35.46 *	30.77 *	29.29 *	24.63 *	18.25 *	12.28 *	6.99 *	4.81	1.70	0.24
-11	34.46 *	29.74 *	28.09 *	23.50 *	17.44 *	11.82 *	6.77 *	4.66	1.65	0.23
-13	33.29 *	28.54 *	26.70 *	22.23 *	16.54 *	11.28 *	6.49 *	4.47	1.59	0.23
-15	31.95 *	27.18 *	25.20 *	20.87 *	15.59 *	10.68 *	6.17 *	4.25	1.52	0.22
-17	37.60 *	31.65 *	29.08 *	23.93 *	17.98 *	12.41 *	7.19 *	4.97	1.79	0.26
-19.5	40.65 *	33.81 *	30.74 *	25.26 *	19.17 *	13.36 *	7.82	5.44	1.98	0.30

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	34.90 *	28.64 *	25.90 *	21.54 *	16.56 *	11.70 *	6.88	4.81	1.79	0.27
-25.5	32.96 *	26.89 *	24.53 *	20.72 *	16.17 *	11.59 *	6.83	4.79	1.83	0.29
-29	28.11 *	23.23 *	21.59 *	18.51 *	14.65 *	10.60	6.28	4.51	1.77	0.29
-33	22.05 *	18.50 *	17.53 *	15.29 *	12.27	8.95	5.36	3.99	1.62	0.27
-37.5	16.42 *	13.89 *	13.31 *	11.77	9.56	7.04	4.32	3.31	1.37	0.24
-42.5	10.87	9.26	8.88	7.87	6.46	4.85	3.03	2.35	0.99	0.19
-47.5	9.16	7.86	7.60	6.80	5.66	4.33	2.75	2.14	0.91	0.19
-55	4.52	3.93	3.85	3.52	2.99	2.30	1.46	1.12	0.52	0.15
-65	0.99	0.87	0.87	0.81	0.68	0.52	0.32	0.26	0.17	0.08
-75	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Total	1066.96	911.88	860.17	730.61	560.16	392.39	231.43	167.11	65.00	10.88

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.94
85			
	0.03	0.00	10.16
75			
	0.05	0.00	31.61
65			
	0.06	0.00	87.15
55			
	0.06	0.00	149.91
47.5			
	0.05	0.00	175.88
42.5			
	0.05	0.00	266.88
37.5			
	0.05	0.00	342.16
33			
	0.05	0.00	411.26
29			
	0.04	0.00	455.43
25.5			
	0.04	0.00	458.75
22.5			
	0.04	0.00	513.60
19.5			
	0.03	0.00	464.70
17			
	0.03	0.00	393.22

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

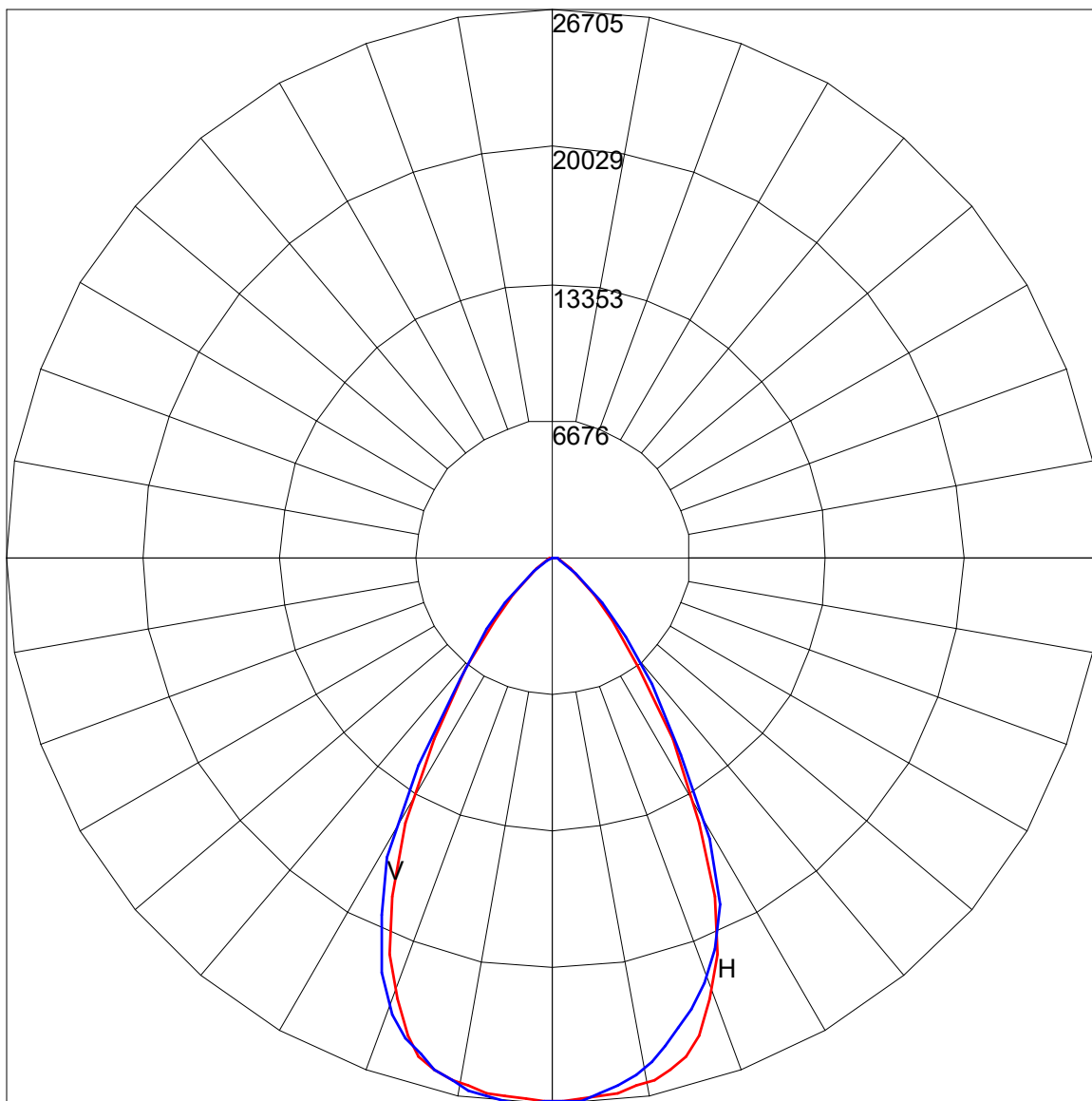
15			
	0.03	0.00	410.57
13			
	0.03	0.00	426.59
11			
	0.03	0.00	440.58
9			
	0.03	0.00	452.16
7			
	0.03	0.00	461.42
5			
	0.03	0.00	468.43
3			
	0.03	0.00	473.13
1			
	0.01	0.00	237.57
0			
	0.01	0.00	238.02
-1			
	0.03	0.00	476.91
-3			
	0.03	0.00	475.91
-5			
	0.03	0.00	472.18
-7			
	0.03	0.00	465.93
-9			
	0.03	0.00	457.12
-11			
	0.02	0.00	445.92
-13			
	0.02	0.00	432.73
-15			
	0.02	0.00	417.63
-17			
	0.03	0.00	497.05
-19.5			
	0.03	0.00	548.84
-22.5			
	0.03	0.00	483.29
-25.5			
	0.03	0.00	477.34
-29			
	0.04	0.00	424.64
-33			
	0.04	0.00	331.05
-37.5			
	0.04	0.00	241.25
-42.5			
	0.03	0.00	158.46
-47.5			
	0.04	0.00	133.52
-55			
	0.04	0.00	65.14
-65			
	0.02	0.00	14.50

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

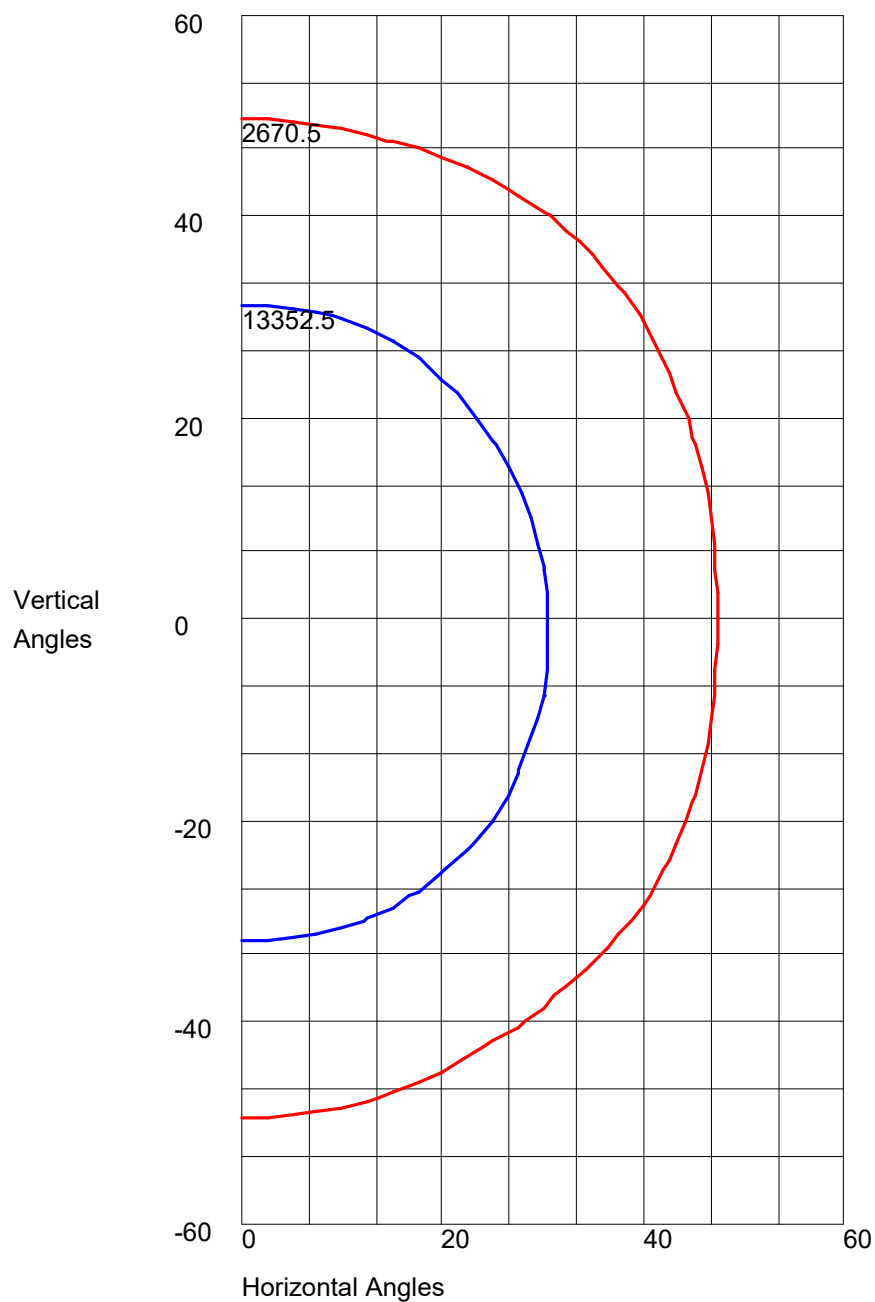
-75	0.01	0.00	1.26
-85	0.00	0.00	0.21
-90			
Total	1.40	0.04	14390.99

AXIAL CANDELA DISPLAY



Maximum Candela = 26705 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 26705 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 13352.5
10% Maximum Candela = 2670.5