



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-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-30L-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	24101
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	17107
Beam Efficiency	N.A.
Field Lumens	24133
Field Efficiency	N.A.
Spill Lumens	1843
Luminaire Lumens	25976
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	9	85	26
75	38	75	147
65	189	65	400
55	894	55	1200
47.5	2392	47.5	2893
42.5	3872	42.5	4745
37.5	6240	37.5	7089
33	9610	33	10369
29	13366	29	14141
25.5	16557	25.5	16988
22.5	18910	22.5	18715
19.5	20717	19.5	19964
17	22013	17	20882
15	22773	15	21525
13	23150	13	22094
11	23435	11	22610
9	23640	9	23069
7	23773	7	23460
5	23846	5	23770
3	23880	3	24007
1	23941	1	24012
0	23976	0	23976
-1	23941	-1	24026
-3	23880	-3	24101
-5	23846	-5	24100
-7	23773	-7	23985
-9	23640	-9	23780
-11	23435	-11	23502
-13	23150	-13	23147
-15	22773	-15	22694
-17	22013	-17	22136
-19.5	20717	-19.5	21415
-22.5	18910	-22.5	19839
-25.5	16557	-25.5	17447
-29	13366	-29	15176
-33	9610	-33	10922
-37.5	6240	-37.5	6697
-42.5	3872	-42.5	4320
-47.5	2392	-47.5	2886
-55	894	-55	1055
-65	189	-65	291
-75	38	-75	9
-85	9	-85	6
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

CANDELA TABULATION

Maximum Candela = 24101

Beam Edge = 12050.5 Cd (50% of Max.)

Field Edge = 2410.1 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	5	11	15	18	19	19	20	21
75.0	0	4	11	17	24	36	49	62	75	92
65.0	0	6	15	26	66	115	153	199	239	276
55.0	0	7	19	52	158	278	377	489	604	710
47.5	0	8	22	78	251	470	652	891	1143	1392
42.5	0	8	25	98	327	632	911	1290	1706	2137
37.5	0	8	28	118	415	838	1257	1836	2476 *	3146 *
33.0	0	8	30	137	500	1047	1620	2419 *	3279 *	4163 *
29.0	0	9	33	153	567	1256	1973	2974 *	4042 *	5233 *
25.5	0	9	35	165	636	1436	2294	3482 *	4778 *	6272 *
22.5	0	9	36	174	686	1615	2579 *	3914 *	5462 *	7323 *
19.5	0	9	37	182	733	1771	2864 *	4370 *	6150 *	8448 *
17.0	0	9	38	187	778	1895	3057 *	4739 *	6819 *	9392 *
15.0	0	9	38	189	808	2005	3225 *	5011 *	7350 *	10085 *
13.0	0	9	39	191	834	2101	3402 *	5316 *	7812 *	10862 *
11.0	0	9	39	191	855	2181	3555 *	5580 *	8273 *	11559 *
9.0	0	9	39	192	872	2246	3673 *	5794 *	8697 *	12168 *
7.0	0	9	39	193	883	2297	3758 *	5963 *	9036 *	12637 *
5.0	0	9	39	193	894	2335	3812 *	6088 *	9287 *	12991 *
3.0	0	9	39	193	905	2384	3877 *	6176 *	9454 *	13240 *
1.0	0	9	38	190	898	2389	3874 *	6236 *	9580 *	13356 *
0.0	0	9	38	189	894	2392	3872 *	6240 *	9610 *	13366 *
-1.0	0	9	38	189	894	2389	3878 *	6276 *	9657 *	13441 *
-3.0	0	9	37	188	895	2382	3890 *	6291 *	9682 *	13492 *
-5.0	0	9	37	184	878	2331	3831 *	6240 *	9570 *	13336 *
-7.0	0	9	36	181	862	2290	3779 *	6125 *	9359 *	13072 *
-9.0	0	9	35	176	846	2239	3702 *	5958 *	9058 *	12683 *
-11.0	0	9	34	171	824	2172	3602 *	5740 *	8671 *	12167 *
-13.0	0	8	33	167	796	2091	3478 *	5481 *	8231 *	11553 *
-15.0	0	8	32	162	763	1996	3322 *	5178 *	7789 *	10848 *
-17.0	0	8	31	157	725	1887	3132 *	4890 *	7285 *	10161 *
-19.5	0	8	30	148	670	1745	2880 *	4460 *	6560 *	9082 *
-22.5	0	8	28	136	610	1556	2554 *	3892 *	5702 *	7767 *
-25.5	0	7	27	124	546	1334	2245	3375 *	4840 *	6513 *
-29.0	0	7	25	110	461	1118	1849	2778 *	3912 *	5205 *
-33.0	0	7	22	93	385	884	1413	2162	2964 *	3916 *
-37.5	0	6	20	74	302	670	1030	1549	2123	2747 *
-42.5	0	6	17	56	220	479	721	1061	1435	1830
-47.5	0	5	14	40	152	336	498	722	953	1225
-55.0	0	5	11	22	73	159	238	329	431	526
-65.0	0	3	7	12	17	35	58	87	116	144
-75.0	0	2	4	5	7	8	8	9	9	10
-85.0	0	1	1	2	3	3	3	4	4	5
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	22	23	24	24	25	25	26	26	26	25
75.0	108	119	128	135	139	142	143	144	145	148
65.0	308	333	355	372	384	393	397	400	402	401
55.0	810	881	956	1031	1083	1127	1156	1173	1182	1199
47.5	1619	1863	2076	2243	2384	2511 *	2623 *	2714 *	2786 *	2829 *
42.5	2555 *	2930 *	3336 *	3643 *	3865 *	4081 *	4282 *	4441 *	4559 *	4646 *
37.5	3797 *	4351 *	4937 *	5405 *	5740 *	6081 *	6380 *	6633 *	6814 *	6951 *
33.0	5050 *	5885 *	6744 *	7478 *	8026 *	8523 *	9050 *	9516 *	9861 *	10121 *
29.0	6455 *	7671 *	8910 *	9960 *	10821 *	11698 *	12372 *	12945 *	13419 *	13792 *
25.5	7930 *	9529 *	11195 *	12704 *	13686 *	14513 *	15245 *	15845 *	16336 *	16669 *
22.5	9352 *	11310 *	13276 *	14761 *	15819 *	16595 *	17238 *	17728 *	18146 *	18442 *
19.5	10818 *	13036 *	15005 *	16461 *	17481 *	18263 *	18824 *	19228 *	19550 *	19765 *
17.0	12067 *	14307 *	16257 *	17674 *	18689 *	19332 *	19863 *	20238 *	20509 *	20677 *
15.0	12956 *	15223 *	17112 *	18562 *	19446 *	20115 *	20552 *	20926 *	21183 *	21336 *
13.0	13764 *	16051 *	17894 *	19308 *	20236 *	20763 *	21201 *	21533 *	21799 *	21949 *
11.0	14540 *	16815 *	18610 *	20063 *	20856 *	21388 *	21775 *	22093 *	22343 *	22486 *
9.0	15165 *	17399 *	19198 *	20558 *	21428 *	21904 *	22272 *	22558 *	22790 *	22945 *
7.0	15679 *	17912 *	19718 *	21052 *	21841 *	22347 *	22682 *	22925 *	23151 *	23314 *
5.0	16092 *	18341 *	20122 *	21467 *	22174 *	22660 *	23010 *	23239 *	23404 *	23565 *
3.0	16389 *	18672 *	20431 *	21748 *	22489 *	22911 *	23209 *	23448 *	23634 *	23728 *
1.0	16535 *	18883 *	20641 *	21938 *	22753 *	23128 *	23411 *	23605 *	23736 *	23815 *
0.0	16557 *	18910 *	20717 *	22013 *	22773 *	23150 *	23435 *	23640 *	23773 *	23846 *
-1.0	16615 *	18977 *	20731 *	22015 *	22818 *	23189 *	23472 *	23688 *	23836 *	23893 *
-3.0	16611 *	18926 *	20690 *	22011 *	22774 *	23208 *	23515 *	23750 *	23929 *	23983 *
-5.0	16426 *	18724 *	20541 *	21922 *	22670 *	23175 *	23532 *	23730 *	23843 *	23947 *
-7.0	16124 *	18419 *	20314 *	21714 *	22539 *	23043 *	23348 *	23552 *	23712 *	23871 *
-9.0	15724 *	18031 *	19950 *	21376 *	22253 *	22734 *	23076 *	23318 *	23532 *	23669 *
-11.0	15213 *	17565 *	19479 *	20937 *	21759 *	22341 *	22717 *	23032 *	23258 *	23366 *
-13.0	14569 *	16958 *	18917 *	20330 *	21277 *	21861 *	22309 *	22660 *	22859 *	22978 *
-15.0	13893 *	16284 *	18285 *	19739 *	20650 *	21351 *	21800 *	22154 *	22347 *	22514 *
-17.0	13096 *	15497 *	17533 *	18969 *	19998 *	20677 *	21209 *	21552 *	21796 *	21974 *
-19.5	11970 *	14192 *	16422 *	17836 *	18889 *	19718 *	20309 *	20687 *	20987 *	21210 *
-22.5	10219 *	12364 *	14361 *	15851 *	16903 *	17758 *	18417 *	18880 *	19327 *	19686 *
-25.5	8387 *	10313 *	12192 *	13488 *	14544 *	15385 *	15997 *	16634 *	17053 *	17273 *
-29.0	6592 *	7931 *	9420 *	10789 *	11801 *	12683 *	13475 *	14244 *	14799 *	15002 *
-33.0	4846 *	5742 *	6645 *	7556 *	8193 *	8766 *	9443 *	10023 *	10424 *	10692 *
-37.5	3334 *	3861 *	4488 *	4985 *	5336 *	5766 *	6152 *	6477 *	6629 *	6690 *
-42.5	2229	2590 *	2955 *	3232 *	3466 *	3690 *	3892 *	4044 *	4155 *	4242 *
-47.5	1480	1709	1945	2145	2302	2445 *	2572 *	2662 *	2739 *	2803 *
-55.0	629	713	799	876	932	983	1017	1040	1055	1064
-65.0	168	188	211	229	244	257	267	275	282	288
-75.0	11	11	11	11	11	11	11	10	10	10
-85.0	5	5	6	7	7	7	7	6	6	6
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	25	26	26	26	25	25	26	26	26	25
75.0	148	147	147	147	148	148	145	144	143	142
65.0	403	401	400	401	403	401	402	400	397	393

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

55.0	1215	1205	1200	1205	1215	1199	1182	1173	1156	1127
47.5	2861 *	2882 *	2893 *	2882 *	2861 *	2829 *	2786 *	2714 *	2623 *	2511 *
42.5	4741 *	4744 *	4745 *	4744 *	4741 *	4646 *	4559 *	4441 *	4282 *	4081 *
37.5	7098 *	7109 *	7089 *	7109 *	7098 *	6951 *	6814 *	6633 *	6380 *	6081 *
33.0	10339 *	10387 *	10369 *	10387 *	10339 *	10121 *	9861 *	9516 *	9050 *	8523 *
29.0	14068 *	14161 *	14141 *	14161 *	14068 *	13792 *	13419 *	12945 *	12372 *	11698 *
25.5	16897 *	17003 *	16988 *	17003 *	16897 *	16669 *	16336 *	15845 *	15245 *	14513 *
22.5	18633 *	18741 *	18715 *	18741 *	18633 *	18442 *	18146 *	17728 *	17238 *	16595 *
19.5	19932 *	19976 *	19964 *	19976 *	19932 *	19765 *	19550 *	19228 *	18824 *	18263 *
17.0	20797 *	20847 *	20882 *	20847 *	20797 *	20677 *	20509 *	20238 *	19863 *	19332 *
15.0	21447 *	21486 *	21525 *	21486 *	21447 *	21336 *	21183 *	20926 *	20552 *	20115 *
13.0	22046 *	22035 *	22094 *	22035 *	22046 *	21949 *	21799 *	21533 *	21201 *	20763 *
11.0	22580 *	22557 *	22610 *	22557 *	22580 *	22486 *	22343 *	22093 *	21775 *	21388 *
9.0	23030 *	23052 *	23069 *	23052 *	23030 *	22945 *	22790 *	22558 *	22272 *	21904 *
7.0	23412 *	23467 *	23460 *	23467 *	23412 *	23314 *	23151 *	22925 *	22682 *	22347 *
5.0	23690 *	23775 *	23770 *	23775 *	23690 *	23565 *	23404 *	23239 *	23010 *	22660 *
3.0	23840 *	23977 *	24007 *	23977 *	23840 *	23728 *	23634 *	23448 *	23209 *	22911 *
1.0	23883 *	23974 *	24012 *	23974 *	23883 *	23815 *	23736 *	23605 *	23411 *	23128 *
0.0	23880 *	23941 *	23976 *	23941 *	23880 *	23846 *	23773 *	23640 *	23435 *	23150 *
-1.0	23962 *	23989 *	24026 *	23989 *	23962 *	23893 *	23836 *	23688 *	23472 *	23189 *
-3.0	24000 *	24072 *	24101 *	24072 *	24000 *	23983 *	23929 *	23750 *	23515 *	23208 *
-5.0	24027 *	24066 *	24100 *	24066 *	24027 *	23947 *	23843 *	23730 *	23532 *	23175 *
-7.0	23939 *	23958 *	23985 *	23958 *	23939 *	23871 *	23712 *	23552 *	23348 *	23043 *
-9.0	23739 *	23751 *	23780 *	23751 *	23739 *	23669 *	23532 *	23318 *	23076 *	22734 *
-11.0	23441 *	23453 *	23502 *	23453 *	23441 *	23366 *	23258 *	23032 *	22717 *	22341 *
-13.0	23062 *	23084 *	23147 *	23084 *	23062 *	22978 *	22859 *	22660 *	22309 *	21861 *
-15.0	22609 *	22653 *	22694 *	22653 *	22609 *	22514 *	22347 *	22154 *	21800 *	21351 *
-17.0	22057 *	22094 *	22136 *	22094 *	22057 *	21974 *	21796 *	21552 *	21209 *	20677 *
-19.5	21300 *	21363 *	21415 *	21363 *	21300 *	21210 *	20987 *	20687 *	20309 *	19718 *
-22.5	19857 *	19899 *	19839 *	19899 *	19857 *	19686 *	19327 *	18880 *	18417 *	17758 *
-25.5	17376 *	17431 *	17447 *	17431 *	17376 *	17273 *	17053 *	16634 *	15997 *	15385 *
-29.0	15138 *	15188 *	15176 *	15188 *	15138 *	15002 *	14799 *	14244 *	13475 *	12683 *
-33.0	10851 *	10921 *	10922 *	10921 *	10851 *	10692 *	10424 *	10023 *	9443 *	8766 *
-37.5	6674 *	6708 *	6697 *	6708 *	6674 *	6690 *	6629 *	6477 *	6152 *	5766 *
-42.5	4327 *	4322 *	4320 *	4322 *	4327 *	4242 *	4155 *	4044 *	3892 *	3690 *
-47.5	2866 *	2879 *	2886 *	2879 *	2866 *	2803 *	2739 *	2662 *	2572 *	2445 *
-55.0	1073	1061	1055	1061	1073	1064	1055	1040	1017	983
-65.0	293	292	291	292	293	288	282	275	267	257
-75.0	10	9	9	9	10	10	10	10	11	11
-85.0	6	6	6	6	6	6	6	6	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	25	24	24	23	22	21	20	19	19	18
75.0	139	135	128	119	108	92	75	62	49	36
65.0	384	372	355	333	308	276	239	199	153	115
55.0	1083	1031	956	881	810	710	604	489	377	278
47.5	2384	2243	2076	1863	1619	1392	1143	891	652	470
42.5	3865 *	3643 *	3336 *	2930 *	2555 *	2137	1706	1290	911	632
37.5	5740 *	5405 *	4937 *	4351 *	3797 *	3146 *	2476 *	1836	1257	838
33.0	8026 *	7478 *	6744 *	5885 *	5050 *	4163 *	3279 *	2419 *	1620	1047
29.0	10821 *	9960 *	8910 *	7671 *	6455 *	5233 *	4042 *	2974 *	1973	1256
25.5	13686 *	12704 *	11195 *	9529 *	7930 *	6272 *	4778 *	3482 *	2294	1436

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

22.5	15819 *	14761 *	13276 *	11310 *	9352 *	7323 *	5462 *	3914 *	2579 *	1615
19.5	17481 *	16461 *	15005 *	13036 *	10818 *	8448 *	6150 *	4370 *	2864 *	1771
17.0	18689 *	17674 *	16257 *	14307 *	12067 *	9392 *	6819 *	4739 *	3057 *	1895
15.0	19446 *	18562 *	17112 *	15223 *	12956 *	10085 *	7350 *	5011 *	3225 *	2005
13.0	20236 *	19308 *	17894 *	16051 *	13764 *	10862 *	7812 *	5316 *	3402 *	2101
11.0	20856 *	20063 *	18610 *	16815 *	14540 *	11559 *	8273 *	5580 *	3555 *	2181
9.0	21428 *	20558 *	19198 *	17399 *	15165 *	12168 *	8697 *	5794 *	3673 *	2246
7.0	21841 *	21052 *	19718 *	17912 *	15679 *	12637 *	9036 *	5963 *	3758 *	2297
5.0	22174 *	21467 *	20122 *	18341 *	16092 *	12991 *	9287 *	6088 *	3812 *	2335
3.0	22489 *	21748 *	20431 *	18672 *	16389 *	13240 *	9454 *	6176 *	3877 *	2384
1.0	22753 *	21938 *	20641 *	18883 *	16535 *	13356 *	9580 *	6236 *	3874 *	2389
0.0	22773 *	22013 *	20717 *	18910 *	16557 *	13366 *	9610 *	6240 *	3872 *	2392
-1.0	22818 *	22015 *	20731 *	18977 *	16615 *	13441 *	9657 *	6276 *	3878 *	2389
-3.0	22774 *	22011 *	20690 *	18926 *	16611 *	13492 *	9682 *	6291 *	3890 *	2382
-5.0	22670 *	21922 *	20541 *	18724 *	16426 *	13336 *	9570 *	6240 *	3831 *	2331
-7.0	22539 *	21714 *	20314 *	18419 *	16124 *	13072 *	9359 *	6125 *	3779 *	2290
-9.0	22253 *	21376 *	19950 *	18031 *	15724 *	12683 *	9058 *	5958 *	3702 *	2239
-11.0	21759 *	20937 *	19479 *	17565 *	15213 *	12167 *	8671 *	5740 *	3602 *	2172
-13.0	21277 *	20330 *	18917 *	16958 *	14569 *	11553 *	8231 *	5481 *	3478 *	2091
-15.0	20650 *	19739 *	18285 *	16284 *	13893 *	10848 *	7789 *	5178 *	3322 *	1996
-17.0	19998 *	18969 *	17533 *	15497 *	13096 *	10161 *	7285 *	4890 *	3132 *	1887
-19.5	18889 *	17836 *	16422 *	14192 *	11970 *	9082 *	6560 *	4460 *	2880 *	1745
-22.5	16903 *	15851 *	14361 *	12364 *	10219 *	7767 *	5702 *	3892 *	2554 *	1556
-25.5	14544 *	13488 *	12192 *	10313 *	8387 *	6513 *	4840 *	3375 *	2245 *	1334
-29.0	11801 *	10789 *	9420 *	7931 *	6592 *	5205 *	3912 *	2778 *	1849 *	1118
-33.0	8193 *	7556 *	6645 *	5742 *	4846 *	3916 *	2964 *	2162 *	1413 *	884
-37.5	5336 *	4985 *	4488 *	3861 *	3334 *	2747 *	2123 *	1549 *	1030 *	670
-42.5	3466 *	3232 *	2955 *	2590 *	2229 *	1830 *	1435 *	1061 *	721 *	479
-47.5	2302 *	2145 *	1945 *	1709 *	1480 *	1225 *	953 *	722 *	498 *	336
-55.0	932 *	876 *	799 *	713 *	629 *	526 *	431 *	329 *	238 *	159
-65.0	244 *	229 *	211 *	188 *	168 *	144 *	116 *	87 *	58 *	35
-75.0	11 *	11 *	11 *	11 *	11 *	10 *	9 *	9 *	8 *	8
-85.0	7 *	7 *	6 *	5 *	5 *	5 *	4 *	4 *	3 *	3
-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	15	11	5	1	0
75.0	24	17	11	4	0
65.0	66	26	15	6	0
55.0	158	52	19	7	0
47.5	251	78	22	8	0
42.5	327	98	25	8	0
37.5	415	118	28	8	0
33.0	500	137	30	8	0
29.0	567	153	33	9	0
25.5	636	165	35	9	0
22.5	686	174	36	9	0
19.5	733	182	37	9	0
17.0	778	187	38	9	0
15.0	808	189	38	9	0
13.0	834	191	39	9	0
11.0	855	191	39	9	0
9.0	872	192	39	9	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	883	193	39	9	0
5.0	894	193	39	9	0
3.0	905	193	39	9	0
1.0	898	190	38	9	0
0.0	894	189	38	9	0
-1.0	894	189	38	9	0
-3.0	895	188	37	9	0
-5.0	878	184	37	9	0
-7.0	862	181	36	9	0
-9.0	846	176	35	9	0
-11.0	824	171	34	9	0
-13.0	796	167	33	8	0
-15.0	763	162	32	8	0
-17.0	725	157	31	8	0
-19.5	670	148	30	8	0
-22.5	610	136	28	8	0
-25.5	546	124	27	7	0
-29.0	461	110	25	7	0
-33.0	385	93	22	7	0
-37.5	302	74	20	6	0
-42.5	220	56	17	6	0
-47.5	152	40	14	5	0
-55.0	73	22	11	5	0
-65.0	17	12	7	3	0
-75.0	7	5	4	2	0
-85.0	3	2	1	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12988.02

Total Field Lumens (one side of beam only) = 12066.66

* 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	0.04
75	0.26	0.53	0.53	0.52	0.51	0.51	0.50	0.49	0.47	0.56
65	0.83	1.67	1.67	1.66	1.65	1.63	1.60	1.56	1.51	1.79
55	2.44	4.91	4.89	4.82	4.76	4.69	4.58	4.41	4.20	4.91
47.5	4.67	9.32	9.23	9.08	8.89	8.62	8.29	7.87	7.40	8.55
42.5	5.81 *	11.59 *	11.45 *	11.22 *	10.93 *	10.54 *	10.05 *	9.49 *	8.88 *	10.21 *
37.5	9.02 *	18.03 *	17.80 *	17.40 *	16.93 *	16.30 *	15.51 *	14.61 *	13.65 *	15.66 *
33	11.98 *	23.93 *	23.59 *	23.00 *	22.28 *	21.31 *	20.13 *	18.87 *	17.56 *	19.98 *
29	14.94 *	29.81 *	29.37 *	28.59 *	27.59 *	26.33 *	24.81 *	23.09 *	21.25 *	23.93 *
25.5	16.60 *	33.10 *	32.66 *	31.92 *	30.90 *	29.61 *	28.07 *	26.23 *	24.17 *	27.06 *
22.5	16.32 *	32.55 *	32.20 *	31.62 *	30.79 *	29.72 *	28.42 *	26.87 *	25.02 *	28.17 *
19.5	17.68 *	35.29 *	34.99 *	34.49 *	33.78 *	32.86 *	31.70 *	30.22 *	28.34 *	32.27 *
17	15.55 *	31.03 *	30.83 *	30.48 *	29.98 *	29.30 *	28.41 *	27.25 *	25.73 *	29.56 *
15	12.91 *	25.75 *	25.60 *	25.36 *	24.99 *	24.47 *	23.79 *	22.93 *	21.78 *	25.17 *
13	13.27 *	26.49 *	26.37 *	26.13 *	25.77 *	25.26 *	24.62 *	23.81 *	22.71 *	26.35 *
11	13.60 *	27.16 *	27.06 *	26.83 *	26.47 *	25.98 *	25.36 *	24.60 *	23.56 *	27.44 *
9	13.90 *	27.77 *	27.66 *	27.43 *	27.08 *	26.61 *	26.02 *	25.29 *	24.27 *	28.36 *
7	14.17 *	28.30 *	28.17 *	27.93 *	27.58 *	27.13 *	26.58 *	25.87 *	24.85 *	29.12 *
5	14.39 *	28.72 *	28.56 *	28.30 *	27.97 *	27.55 *	27.02 *	26.31 *	25.34 *	29.78 *
3	14.55 *	29.01 *	28.81 *	28.58 *	28.27 *	27.87 *	27.35 *	26.67 *	25.73 *	30.29 *
1	14.62 *	29.12 *	28.95 *	28.75 *	28.48 *	28.10 *	27.61 *	26.98 *	26.04 *	30.65 *
0	7.30 *	14.56 *	14.50 *	14.42 *	14.29 *	14.11 *	13.87 *	13.57 *	13.10 *	15.42 *
-1	7.31 *	14.58 *	14.52 *	14.44 *	14.32 *	14.13 *	13.89 *	13.59 *	13.12 *	15.45 *
	14.65 *	29.23 *	29.12 *	28.97 *	28.72 *	28.33 *	27.82 *	27.19 *	26.24 *	30.90 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	14.67 *	29.27 *	29.16 *	28.99 *	28.73 *	28.36 *	27.84 *	27.14 *	26.17 *	30.79 *
-5	14.64 *	29.22 *	29.10 *	28.89 *	28.61 *	28.25 *	27.74 *	27.02 *	26.01 *	30.55 *
-7	14.54 *	29.04 *	28.93 *	28.71 *	28.39 *	27.99 *	27.47 *	26.77 *	25.73 *	30.14 *
-9	14.39 *	28.73 *	28.63 *	28.42 *	28.09 *	27.64 *	27.07 *	26.33 *	25.28 *	29.56 *
-11	14.19 *	28.32 *	28.21 *	28.01 *	27.69 *	27.21 *	26.59 *	25.78 *	24.68 *	28.81 *
-13	13.95 *	27.83 *	27.70 *	27.48 *	27.15 *	26.67 *	26.02 *	25.16 *	24.01 *	27.94 *
-15	13.64 *	27.22 *	27.09 *	26.85 *	26.50 *	26.01 *	25.34 *	24.44 *	23.24 *	26.95 *
-17	16.56 *	33.03 *	32.87 *	32.55 *	32.06 *	31.41 *	30.51 *	29.29 *	27.70 *	31.98 *
-19.5	18.85 *	37.63 *	37.40 *	36.90 *	36.14 *	35.23 *	34.06 *	32.48 *	30.52 *	34.97 *
-22.5	17.05 *	34.05 *	33.82 *	33.33 *	32.53 *	31.46 *	30.19 *	28.63 *	26.70 *	30.31 *
-25.5	17.39 *	34.70 *	34.45 *	34.00 *	33.11 *	31.68 *	30.00 *	28.14 *	25.94 *	29.04 *
-29	15.90 *	31.72 *	31.41 *	30.85 *	29.86 *	28.31 *	26.44 *	24.50 *	22.45 *	24.88 *
-33	12.08 *	24.08 *	23.87 *	23.47 *	22.77 *	21.66 *	20.20 *	18.66 *	17.18 *	19.26 *
-37.5	8.39 *	16.77 *	16.66 *	16.45 *	16.07 *	15.42 *	14.52 *	13.49 *	12.46 *	14.16 *
-42.5	5.49 *	10.95 *	10.82 *	10.56 *	10.26 *	9.88 *	9.38 *	8.79 *	8.16 *	9.29 *
-47.5	4.50	8.99	8.89	8.70	8.48	8.20	7.84	7.38	6.87	7.82
-55	2.06	4.14	4.13	4.07	4.00	3.90	3.76	3.57	3.34	3.82
-65	0.46	0.92	0.91	0.89	0.87	0.84	0.81	0.77	0.72	0.84
-75	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	475.58	949.14	942.69	931.19	914.34	891.19	861.89	826.23	782.18	902.81

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	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.02
85	0.63	0.57	0.58	0.54	0.49	0.43	0.33	0.33	0.25	0.11
75	1.99	1.81	1.86	1.78	1.61	1.35	0.95	0.86	0.51	0.18
65	5.38	4.87	4.98	4.77	4.28	3.55	2.48	2.20	1.15	0.29
55	9.24	8.10	8.05	7.54	6.56	5.27	3.59	3.10	1.54	0.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	10.88 *	9.36	9.13	8.33	7.04	5.46	3.59	3.00	1.43	0.29
42.5	16.59 *	14.23 *	13.78 *	12.35	10.22	7.72	4.90	3.95	1.82	0.35
37.5	21.03 *	17.92 *	17.22 *	15.35 *	12.60 *	9.36	5.77	4.50	2.00	0.37
33	24.92 *	20.92 *	19.81 *	17.46 *	14.23 *	10.48	6.35	4.82	2.06	0.37
29	27.85 *	23.07 *	21.47 *	18.57 *	14.96 *	10.94 *	6.56	4.87	2.02	0.35
25.5	28.99 *	23.87 *	21.95 *	18.67 *	14.80 *	10.73 *	6.40	4.69	1.89	0.32
22.5	33.67 *	27.87 *	25.55 *	21.45 *	16.70 *	12.01 *	7.13	5.15	2.03	0.33
19.5	31.25 *	26.20 *	24.12 *	20.11 *	15.44 *	10.96 *	6.45	4.62	1.79	0.29
17	26.83 *	22.77 *	21.09 *	17.57 *	13.38 *	9.35 *	5.48 *	3.92	1.49	0.24
15	28.27 *	24.21 *	22.59 *	18.85 *	14.26 *	9.89 *	5.78 *	4.11	1.54	0.24
13	29.59 *	25.53 *	24.04 *	20.10 *	15.10 *	10.41 *	6.05 *	4.27	1.58	0.24
11	30.72 *	26.68 *	25.32 *	21.25 *	15.86 *	10.85 *	6.27 *	4.40	1.60	0.24
9	31.66 *	27.61 *	26.37 *	22.21 *	16.50 *	11.19 *	6.45 *	4.50	1.63	0.24
7	32.46 *	28.39 *	27.20 *	22.95 *	17.00 *	11.44 *	6.57 *	4.58	1.65	0.24
5	33.08 *	29.01 *	27.82 *	23.48 *	17.35 *	11.64 *	6.68 *	4.66	1.66	0.24
3	33.54 *	29.42 *	28.20 *	23.82 *	17.60 *	11.76 *	6.74 *	4.70	1.66	0.24
1	16.88 *	14.79 *	14.17 *	11.99 *	8.86 *	5.90 *	3.37 *	2.35	0.83	0.12
0	16.92 *	14.83 *	14.21 *	12.03 *	8.89 *	5.91 *	3.37 *	2.35	0.82	0.12
-1	33.83 *	29.69 *	28.51 *	24.16 *	17.85 *	11.86 *	6.75 *	4.69	1.65	0.24
-3	33.65 *	29.50 *	28.37 *	24.06 *	17.78 *	11.81 *	6.69 *	4.63	1.63	0.23
-5	33.27 *	29.09 *	27.94 *	23.67 *	17.51 *	11.65 *	6.58 *	4.54	1.60	0.23
-7	32.72 *	28.51 *	27.29 *	23.06 *	17.07 *	11.41 *	6.47 *	4.46	1.57	0.22
-9	32.00 *	27.77 *	26.43 *	22.23 *	16.47 *	11.08 *	6.31 *	4.34	1.53	0.22
-11	31.10 *	26.84 *	25.35 *	21.21 *	15.74 *	10.67 *	6.11 *	4.20	1.49	0.21
-13	30.05 *	25.75 *	24.10 *	20.06 *	14.93 *	10.18 *	5.86 *	4.03	1.44	0.20
-15	28.83 *	24.53 *	22.74 *	18.84 *	14.07 *	9.64 *	5.56 *	3.84	1.37	0.20
-17	33.93 *	28.57 *	26.24 *	21.59 *	16.22 *	11.20 *	6.49 *	4.49	1.62	0.24
-19.5	36.69 *	30.52 *	27.75 *	22.80 *	17.30 *	12.06 *	7.05	4.91	1.78	0.27

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	31.50 *	25.85 *	23.37 *	19.44 *	14.95 *	10.56 *	6.21	4.34	1.62	0.25
-25.5	29.75 *	24.27 *	22.14 *	18.70 *	14.60 *	10.46 *	6.17	4.32	1.65	0.26
-29	25.37 *	20.96 *	19.48 *	16.70 *	13.22 *	9.57	5.67	4.07	1.60	0.26
-33	19.90 *	16.70 *	15.82 *	13.80 *	11.08	8.08	4.84	3.60	1.46	0.24
-37.5	14.82 *	12.54 *	12.01 *	10.62	8.63	6.36	3.90	2.98	1.24	0.22
-42.5	9.81	8.36	8.01	7.10	5.83	4.38	2.74	2.12	0.89	0.17
-47.5	8.26	7.09	6.86	6.14	5.11	3.91	2.49	1.93	0.82	0.17
-55	4.08	3.54	3.48	3.18	2.69	2.08	1.32	1.01	0.47	0.14
-65	0.90	0.79	0.79	0.73	0.62	0.47	0.29	0.24	0.16	0.07
-75	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.08	0.06	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	962.93	822.98	776.32	659.39	505.56	354.14	208.86	150.82	58.66	9.82

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.86	
85				
	0.03	0.00	9.18	
75				
	0.05	0.00	28.52	
65				
	0.06	0.00	78.65	
55				
	0.06	0.00	135.30	
47.5				
	0.04	0.00	158.73	
42.5				
	0.05	0.00	240.86	
37.5				
	0.04	0.00	308.80	
33				
	0.04	0.00	371.17	
29				
	0.04	0.00	411.03	
25.5				
	0.04	0.00	414.03	
22.5				
	0.04	0.00	463.52	
19.5				
	0.03	0.00	419.40	
17				
	0.02	0.00	354.88	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

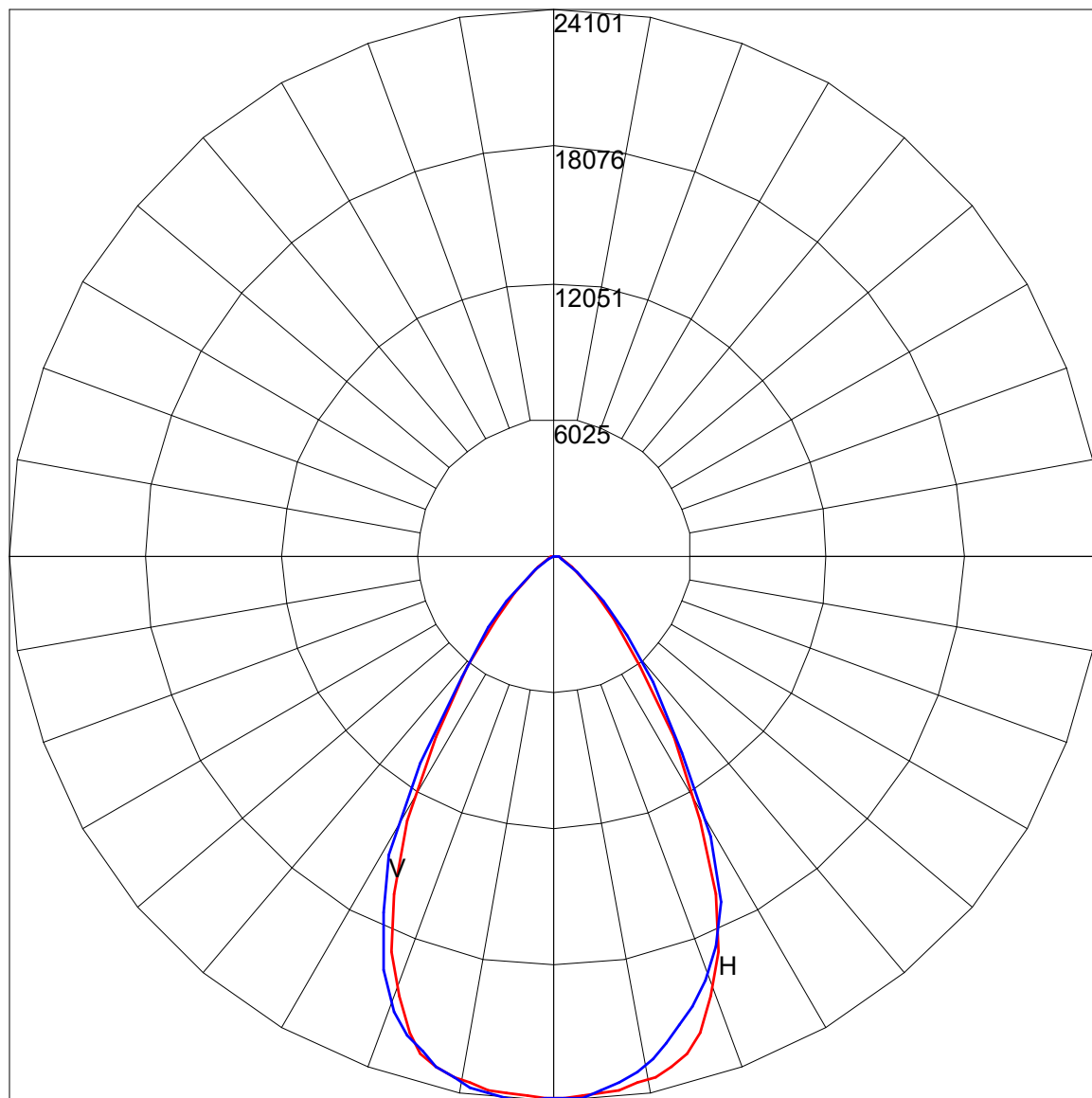
15	0.03	0.00	370.53
13	0.03	0.00	384.99
11	0.03	0.00	397.62
9	0.03	0.00	408.07
7	0.03	0.00	416.44
5	0.03	0.00	422.76
3	0.03	0.00	427.00
1	0.01	0.00	214.41
0	0.01	0.00	214.81
-1	0.02	0.00	430.41
-3	0.02	0.00	429.51
-5	0.02	0.00	426.14
-7	0.02	0.00	420.51
-9	0.02	0.00	412.55
-11	0.02	0.00	402.45
-13	0.02	0.00	390.54
-15	0.02	0.00	376.91
-17	0.03	0.00	448.59
-19.5	0.03	0.00	495.33
-22.5	0.03	0.00	436.16
-25.5	0.03	0.00	430.80
-29	0.03	0.00	383.25
-33	0.03	0.00	298.78
-37.5	0.03	0.00	217.73
-42.5	0.03	0.00	143.01
-47.5	0.03	0.00	120.49
-55	0.03	0.00	58.81
-65	0.02	0.00	13.12

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

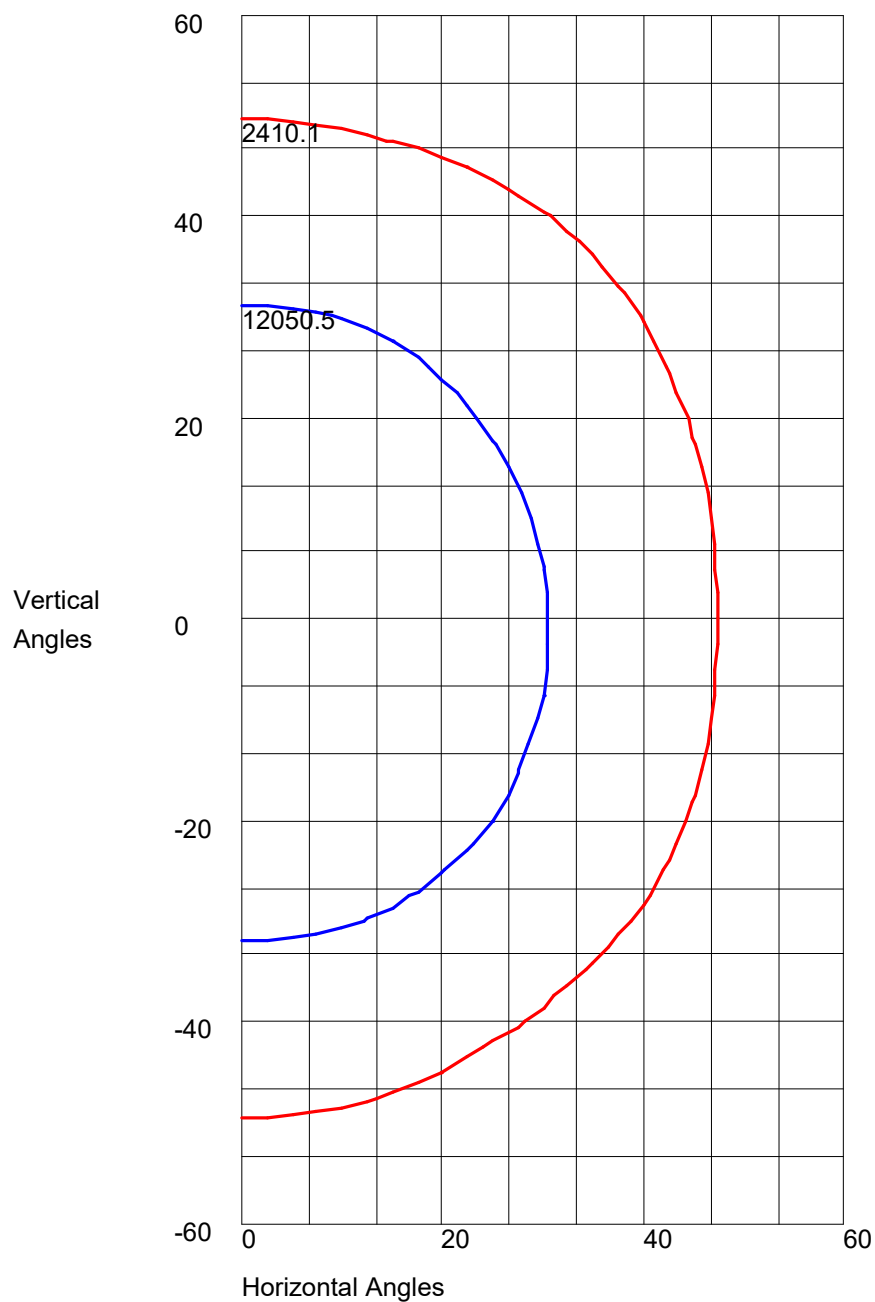
-75	0.01	0.00	1.16
-85	0.00	0.00	0.19
-90			
Total	1.26	0.04	12988.02

AXIAL CANDELA DISPLAY



Maximum Candela = 24101 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 24101 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 12050.5
10% Maximum Candela = 2410.1