



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12560
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 03/02/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-VWF-50-80-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	6 H x 7 V
Maximum Candela	8698
Maximum Candela Angle	-3H 65V
Horizontal Beam Angle (50%)	96.8
Vertical Beam Angle (50%)	56.2
Horizontal Field Angle (10%)	129.2
Vertical Field Angle (10%)	157.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	11213
Beam Efficiency	N.A.
Field Lumens	21004
Field Efficiency	N.A.
Spill Lumens	325
Luminaire Lumens	21330
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	1
85	64	85	1152
75	816	75	5976
65	3665	65	8689
55	4570	55	8029
47.5	4547	47.5	7516
42.5	4509	42.5	6760
37.5	4351	37.5	5867
33	4232	33	5185
29	4115	29	4755
25.5	4052	25.5	4511
22.5	4003	22.5	4349
19.5	3955	19.5	4220
17	3919	17	4126
15	3889	15	4060
13	3865	13	3999
11	3849	11	3944
9	3830	9	3893
7	3806	7	3846
5	3784	5	3807
3	3767	3	3781
1	3764	1	3769
0	3765	0	3765
-1	3764	-1	3780
-3	3767	-3	3807
-5	3784	-5	3824
-7	3806	-7	3847
-9	3830	-9	3873
-11	3849	-11	3900
-13	3865	-13	3923
-15	3889	-15	3940
-17	3919	-17	3943
-19.5	3955	-19.5	3822
-22.5	4003	-22.5	3811
-25.5	4052	-25.5	3810
-29	4115	-29	3737
-33	4232	-33	3768
-37.5	4351	-37.5	3911
-42.5	4509	-42.5	4227
-47.5	4547	-47.5	4060
-55	4570	-55	3502
-65	3665	-65	2196
-75	816	-75	133
-85	64	-85	161
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 8698

Beam Edge = 4349 Cd (50% of Max.)

Field Edge = 869.8 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	9	42	133	228	319	431	612	772	888 *
75.0	0	27	92	196	911 *	2134 *	2968 *	3632 *	4208 *	4516 *
65.0	0	43	140	789	2885 *	4550 *	5328 *	5843 *	6384 *	6714 *
55.0	0	53	260	1970 *	4667 *	5554 *	6043 *	6236 *	6606 *	6794 *
47.5	0	57	381	2743 *	5219 *	5898 *	6076 *	6332 *	6514 *	6712 *
42.5	0	59	535	3174 *	5382 *	5792 *	5899 *	6078 *	6194 *	6367 *
37.5	0	61	646	3526 *	5323 *	5606 *	5706 *	5805 *	5926 *	5999 *
33.0	0	63	711	3705 *	5256 *	5467 *	5509 *	5567 *	5637 *	5643 *
29.0	0	64	787	3817 *	5195 *	5320 *	5376 *	5381 *	5383 *	5303 *
25.5	0	64	834	3921 *	5119 *	5212 *	5224 *	5220 *	5154 *	5051 *
22.5	0	65	860	3922 *	5056 *	5124 *	5119 *	5056 *	4978 *	4861 *
19.5	0	65	874 *	3926 *	4995 *	5021 *	5020 *	4923 *	4815 *	4688 *
17.0	0	65	889 *	3919 *	4939 *	4937 *	4933 *	4825 *	4691 *	4563 *
15.0	0	66	898 *	3906 *	4894 *	4897 *	4864 *	4742 *	4604 *	4474 *
13.0	0	66	902 *	3886 *	4850 *	4853 *	4807 *	4665 *	4525 *	4393 *
11.0	0	66	901 *	3859 *	4807 *	4804 *	4755 *	4602 *	4455 *	4323 *
9.0	0	66	895 *	3837 *	4764 *	4752 *	4702 *	4548 *	4392 *	4263 *
7.0	0	66	885 *	3811 *	4722 *	4697 *	4649 *	4494 *	4340 *	4215 *
5.0	0	65	881 *	3779 *	4679 *	4645 *	4597 *	4440 *	4294 *	4173 *
3.0	0	65	855	3748 *	4637 *	4602 *	4556 *	4396 *	4256 *	4136 *
1.0	0	64	829	3693 *	4592 *	4566 *	4525 *	4365 *	4239 *	4120 *
0.0	0	64	816	3665 *	4570 *	4547 *	4509 *	4351 *	4232 *	4115 *
-1.0	0	64	805	3640 *	4552 *	4532 *	4496 *	4340 *	4225 *	4111 *
-3.0	0	63	783	3591 *	4517 *	4503 *	4470 *	4323 *	4214 *	4107 *
-5.0	0	63	762	3516 *	4478 *	4476 *	4448 *	4317 *	4216 *	4112 *
-7.0	0	63	722	3442 *	4439 *	4441 *	4431 *	4318 *	4221 *	4121 *
-9.0	0	62	690	3360 *	4384 *	4403 *	4413 *	4321 *	4228 *	4134 *
-11.0	0	62	655	3273 *	4324 *	4362 *	4393 *	4325 *	4230 *	4154 *
-13.0	0	60	620	3173 *	4260 *	4316 *	4372 *	4312 *	4219 *	4172 *
-15.0	0	59	583	3069 *	4189 *	4265 *	4334 *	4283 *	4198 *	4188 *
-17.0	0	58	545	2957 *	4112 *	4208 *	4264 *	4228 *	4170 *	4136 *
-19.5	0	57	498	2806 *	4006 *	4116 *	4147 *	4145 *	4126 *	4086 *
-22.5	0	55	449	2609 *	3860 *	3994 *	3992 *	4040 *	4051 *	4039 *
-25.5	0	54	396	2415 *	3703 *	3855 *	3859 *	3946 *	3944 *	3979 *
-29.0	0	52	332	2101 *	3516 *	3648 *	3755 *	3787 *	3834 *	3889 *
-33.0	0	49	253	1754 *	3247 *	3452 *	3557 *	3603 *	3689 *	3735 *
-37.5	0	47	204	1365 *	2919 *	3320 *	3370 *	3497 *	3578 *	3651 *
-42.5	0	43	154	941 *	2472 *	3054 *	3215 *	3348 *	3523 *	3675 *
-47.5	0	40	108	589	1878 *	2636 *	2901 *	3113 *	3211 *	3392 *
-55.0	0	34	75	239	895 *	1657 *	2108 *	2346 *	2553 *	2649 *
-65.0	0	26	50	73	133	282	474	734	968 *	1166 *
-75.0	0	16	50	65	101	107	116	121	123	115
-85.0	0	5	28	70	114	129	139	138	142	150
-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	1	1	1	1	1	1	1	1	1	1
85.0	998 *	1042 *	1068 *	1087 *	1100 *	1100 *	1128 *	1113 *	1098 *	1083 *
75.0	4789 *	5018 *	5244 *	5432 *	5581 *	5681 *	5758 *	5827 *	5887 *	5963 *
65.0	7233 *	7521 *	7682 *	7867 *	8042 *	8206 *	8316 *	8428 *	8540 *	8650 *
55.0	7085 *	7294 *	7467 *	7602 *	7711 *	7822 *	7883 *	7924 *	7969 *	8021 *
47.5	6862 *	7004 *	7182 *	7275 *	7317 *	7367 *	7418 *	7425 *	7445 *	7478 *
42.5	6473 *	6574 *	6665 *	6727 *	6726 *	6728 *	6740 *	6741 *	6739 *	6747 *
37.5	6028 *	6036 *	6036 *	6020 *	5993 *	5967 *	5945 *	5927 *	5898 *	5881 *
33.0	5602 *	5566 *	5510 *	5454 *	5409 *	5360 *	5320 *	5290 *	5250 *	5211 *
29.0	5223 *	5175 *	5111 *	5041 *	4983 *	4939 *	4895 *	4857 *	4830 *	4800 *
25.5	4970 *	4905 *	4823 *	4760 *	4708 *	4664 *	4626 *	4597 *	4576 *	4551 *
22.5	4769 *	4701 *	4625 *	4563 *	4525 *	4485 *	4453 *	4431 *	4408 *	4385 *
19.5	4591 *	4527 *	4457 *	4408 *	4369 *	4336 *	4312 *	4298 *	4272 *	4251 *
17.0	4468 *	4407 *	4344 *	4299 *	4260 *	4234 *	4214 *	4195 *	4174 *	4151 *
15.0	4380 *	4325 *	4264 *	4217 *	4188 *	4161 *	4148 *	4129 *	4105 *	4084 *
13.0	4308 *	4251 *	4194 *	4152 *	4120 *	4095 *	4080 *	4066 *	4040 *	4021 *
11.0	4244 *	4184 *	4132 *	4092 *	4063 *	4038 *	4024 *	4005 *	3983 *	3961 *
9.0	4182 *	4131 *	4080 *	4041 *	4010 *	3988 *	3972 *	3952 *	3930 *	3908 *
7.0	4132 *	4084 *	4033 *	3994 *	3964 *	3940 *	3928 *	3907 *	3882 *	3862 *
5.0	4099 *	4049 *	3992 *	3955 *	3927 *	3905 *	3888 *	3869 *	3845 *	3821 *
3.0	4070 *	4021 *	3967 *	3930 *	3901 *	3878 *	3857 *	3840 *	3817 *	3795 *
1.0	4056 *	4005 *	3954 *	3917 *	3888 *	3864 *	3847 *	3828 *	3804 *	3780 *
0.0	4052 *	4003 *	3955 *	3919 *	3889 *	3865 *	3849 *	3830 *	3806 *	3784 *
-1.0	4049 *	4001 *	3953 *	3917 *	3889 *	3867 *	3852 *	3833 *	3808 *	3783 *
-3.0	4048 *	4003 *	3956 *	3921 *	3895 *	3873 *	3856 *	3840 *	3819 *	3803 *
-5.0	4055 *	4012 *	3963 *	3931 *	3907 *	3888 *	3876 *	3860 *	3843 *	3828 *
-7.0	4062 *	4026 *	3985 *	3953 *	3927 *	3909 *	3903 *	3888 *	3871 *	3858 *
-9.0	4076 *	4048 *	4011 *	3979 *	3956 *	3939 *	3931 *	3918 *	3903 *	3889 *
-11.0	4094 *	4069 *	4036 *	4006 *	3985 *	3968 *	3963 *	3950 *	3936 *	3921 *
-13.0	4118 *	4087 *	4060 *	4032 *	4010 *	3994 *	3986 *	3979 *	3965 *	3949 *
-15.0	4113 *	4105 *	4075 *	4050 *	4032 *	4015 *	4007 *	3999 *	3982 *	3966 *
-17.0	4084 *	4103 *	4052 *	4035 *	4020 *	3992 *	3999 *	3973 *	3959 *	3961 *
-19.5	4014 *	4033 *	3984 *	3976 *	3949 *	3920 *	3908 *	3901 *	3874 *	3822 *
-22.5	4003 *	4008 *	3972 *	3953 *	3938 *	3914 *	3906 *	3889 *	3867 *	3846 *
-25.5	3967 *	3980 *	3941 *	3934 *	3909 *	3895 *	3894 *	3848 *	3820 *	3819 *
-29.0	3873 *	3902 *	3907 *	3875 *	3869 *	3848 *	3830 *	3814 *	3799 *	3777 *
-33.0	3802 *	3803 *	3836 *	3852 *	3855 *	3847 *	3835 *	3837 *	3839 *	3829 *
-37.5	3750 *	3807 *	3867 *	3910 *	3936 *	3950 *	3961 *	3968 *	3950 *	3935 *
-42.5	3770 *	3883 *	3990 *	4066 *	4116 *	4162 *	4208 *	4228 *	4234 *	4242 *
-47.5	3578 *	3670 *	3773 *	3904 *	3996 *	4068 *	4120 *	4112 *	4100 *	4086 *
-55.0	2848 *	2948 *	3067 *	3212 *	3297 *	3361 *	3405 *	3440 *	3472 *	3502 *
-65.0	1384 *	1465 *	1592 *	1685 *	1750 *	1817 *	1905 *	1994 *	2084 *	2171 *
-75.0	112	112	112	111	108	106	103	101	100	99
-85.0	157	162	168	173	176	167	161	149	137	125
-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	1	1	1	1	1	1	1	1	1	1
85.0	1110 *	1138 *	1152 *	1138 *	1110 *	1083 *	1098 *	1113 *	1128 *	1100 *
75.0	5970 *	5974 *	5976 *	5974 *	5970 *	5963 *	5887 *	5827 *	5758 *	5681 *
65.0	8698 *	8692 *	8689 *	8692 *	8698 *	8650 *	8540 *	8428 *	8316 *	8206 *

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CANDELA TABULATION - (Cont.)

55.0	8029 *	8029 *	8029 *	8029 *	8029 *	8021 *	7969 *	7924 *	7883 *	7822 *
47.5	7502 *	7511 *	7516 *	7511 *	7502 *	7478 *	7445 *	7425 *	7418 *	7367 *
42.5	6746 *	6755 *	6760 *	6755 *	6746 *	6747 *	6739 *	6741 *	6740 *	6728 *
37.5	5875 *	5864 *	5867 *	5864 *	5875 *	5881 *	5898 *	5927 *	5945 *	5967 *
33.0	5184 *	5181 *	5185 *	5181 *	5184 *	5211 *	5250 *	5290 *	5320 *	5360 *
29.0	4779 *	4761 *	4755 *	4761 *	4779 *	4800 *	4830 *	4857 *	4895 *	4939 *
25.5	4530 *	4516 *	4511 *	4516 *	4530 *	4551 *	4576 *	4597 *	4626 *	4664 *
22.5	4363 *	4350 *	4349 *	4350 *	4363 *	4385 *	4408 *	4431 *	4453 *	4485 *
19.5	4232 *	4222 *	4220 *	4222 *	4232 *	4251 *	4272 *	4298 *	4312 *	4336 *
17.0	4136 *	4129 *	4126 *	4129 *	4136 *	4151 *	4174 *	4195 *	4214 *	4234 *
15.0	4070 *	4061 *	4060 *	4061 *	4070 *	4084 *	4105 *	4129 *	4148 *	4161 *
13.0	4008 *	4001 *	3999 *	4001 *	4008 *	4021 *	4040 *	4066 *	4080 *	4095 *
11.0	3951 *	3945 *	3944 *	3945 *	3951 *	3961 *	3983 *	4005 *	4024 *	4038 *
9.0	3897 *	3893 *	3893 *	3893 *	3897 *	3908 *	3930 *	3952 *	3972 *	3988 *
7.0	3844 *	3846 *	3846 *	3846 *	3844 *	3862 *	3882 *	3907 *	3928 *	3940 *
5.0	3807 *	3803 *	3807 *	3803 *	3807 *	3821 *	3845 *	3869 *	3888 *	3905 *
3.0	3775 *	3775 *	3781 *	3775 *	3775 *	3795 *	3817 *	3840 *	3857 *	3878 *
1.0	3764 *	3760 *	3769 *	3760 *	3764 *	3780 *	3804 *	3828 *	3847 *	3864 *
0.0	3767 *	3764 *	3765 *	3764 *	3767 *	3784 *	3806 *	3830 *	3849 *	3865 *
-1.0	3770 *	3773 *	3780 *	3773 *	3770 *	3783 *	3808 *	3833 *	3852 *	3867 *
-3.0	3795 *	3807 *	3807 *	3807 *	3795 *	3803 *	3819 *	3840 *	3856 *	3873 *
-5.0	3824 *	3825 *	3824 *	3825 *	3824 *	3828 *	3843 *	3860 *	3876 *	3888 *
-7.0	3852 *	3850 *	3847 *	3850 *	3852 *	3858 *	3871 *	3888 *	3903 *	3909 *
-9.0	3882 *	3878 *	3873 *	3878 *	3882 *	3889 *	3903 *	3918 *	3931 *	3939 *
-11.0	3912 *	3905 *	3900 *	3905 *	3912 *	3921 *	3936 *	3950 *	3963 *	3968 *
-13.0	3936 *	3927 *	3923 *	3927 *	3936 *	3949 *	3965 *	3979 *	3986 *	3994 *
-15.0	3953 *	3944 *	3940 *	3944 *	3953 *	3966 *	3982 *	3999 *	4007 *	4015 *
-17.0	3958 *	3947 *	3943 *	3947 *	3958 *	3961 *	3959 *	3973 *	3999 *	3992 *
-19.5	3824 *	3824 *	3822 *	3824 *	3824 *	3822 *	3874 *	3901 *	3908 *	3920 *
-22.5	3828 *	3815 *	3811 *	3815 *	3828 *	3846 *	3867 *	3889 *	3906 *	3914 *
-25.5	3817 *	3813 *	3810 *	3813 *	3817 *	3819 *	3820 *	3848 *	3894 *	3895 *
-29.0	3755 *	3742 *	3737 *	3742 *	3755 *	3777 *	3799 *	3814 *	3830 *	3848 *
-33.0	3810 *	3783 *	3768 *	3783 *	3810 *	3829 *	3839 *	3837 *	3835 *	3847 *
-37.5	3923 *	3913 *	3911 *	3913 *	3923 *	3935 *	3950 *	3968 *	3961 *	3950 *
-42.5	4243 *	4232 *	4227 *	4232 *	4243 *	4242 *	4234 *	4228 *	4208 *	4162 *
-47.5	4076 *	4065 *	4060 *	4065 *	4076 *	4086 *	4100 *	4112 *	4120 *	4068 *
-55.0	3504 *	3503 *	3502 *	3503 *	3504 *	3502 *	3472 *	3440 *	3405 *	3361 *
-65.0	2207 *	2200 *	2196 *	2200 *	2207 *	2171 *	2084 *	1994 *	1905 *	1817 *
-75.0	112	126	133	126	112	99	100	101	103	106
-85.0	139	154	161	154	139	125	137	149	161	167
-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	1	1	1	1	1	1	1	1	1	1
85.0	1100 *	1087 *	1068 *	1042 *	998 *	888 *	772	612	431	319
75.0	5581 *	5432 *	5244 *	5018 *	4789 *	4516 *	4208 *	3632 *	2968 *	2134 *
65.0	8042 *	7867 *	7682 *	7521 *	7233 *	6714 *	6384 *	5843 *	5328 *	4550 *
55.0	7711 *	7602 *	7467 *	7294 *	7085 *	6794 *	6606 *	6236 *	6043 *	5554 *
47.5	7317 *	7275 *	7182 *	7004 *	6862 *	6712 *	6514 *	6332 *	6076 *	5898 *
42.5	6726 *	6727 *	6665 *	6574 *	6473 *	6367 *	6194 *	6078 *	5899 *	5792 *
37.5	5993 *	6020 *	6036 *	6036 *	6028 *	5999 *	5926 *	5805 *	5706 *	5606 *
33.0	5409 *	5454 *	5510 *	5566 *	5602 *	5643 *	5637 *	5567 *	5509 *	5467 *
29.0	4983 *	5041 *	5111 *	5175 *	5223 *	5303 *	5383 *	5381 *	5376 *	5320 *
25.5	4708 *	4760 *	4823 *	4905 *	4970 *	5051 *	5154 *	5220 *	5224 *	5212 *

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CANDELA TABULATION - (Cont.)

22.5	4525 *	4563 *	4625 *	4701 *	4769 *	4861 *	4978 *	5056 *	5119 *	5124 *
19.5	4369 *	4408 *	4457 *	4527 *	4591 *	4688 *	4815 *	4923 *	5020 *	5021 *
17.0	4260 *	4299 *	4344 *	4407 *	4468 *	4563 *	4691 *	4825 *	4933 *	4937 *
15.0	4188 *	4217 *	4264 *	4325 *	4380 *	4474 *	4604 *	4742 *	4864 *	4897 *
13.0	4120 *	4152 *	4194 *	4251 *	4308 *	4393 *	4525 *	4665 *	4807 *	4853 *
11.0	4063 *	4092 *	4132 *	4184 *	4244 *	4323 *	4455 *	4602 *	4755 *	4804 *
9.0	4010 *	4041 *	4080 *	4131 *	4182 *	4263 *	4392 *	4548 *	4702 *	4752 *
7.0	3964 *	3994 *	4033 *	4084 *	4132 *	4215 *	4340 *	4494 *	4649 *	4697 *
5.0	3927 *	3955 *	3992 *	4049 *	4099 *	4173 *	4294 *	4440 *	4597 *	4645 *
3.0	3901 *	3930 *	3967 *	4021 *	4070 *	4136 *	4256 *	4396 *	4556 *	4602 *
1.0	3888 *	3917 *	3954 *	4005 *	4056 *	4120 *	4239 *	4365 *	4525 *	4566 *
0.0	3889 *	3919 *	3955 *	4003 *	4052 *	4115 *	4232 *	4351 *	4509 *	4547 *
-1.0	3889 *	3917 *	3953 *	4001 *	4049 *	4111 *	4225 *	4340 *	4496 *	4532 *
-3.0	3895 *	3921 *	3956 *	4003 *	4048 *	4107 *	4214 *	4323 *	4470 *	4503 *
-5.0	3907 *	3931 *	3963 *	4012 *	4055 *	4112 *	4216 *	4317 *	4448 *	4476 *
-7.0	3927 *	3953 *	3985 *	4026 *	4062 *	4121 *	4221 *	4318 *	4431 *	4441 *
-9.0	3956 *	3979 *	4011 *	4048 *	4076 *	4134 *	4228 *	4321 *	4413 *	4403 *
-11.0	3985 *	4006 *	4036 *	4069 *	4094 *	4154 *	4230 *	4325 *	4393 *	4362 *
-13.0	4010 *	4032 *	4060 *	4087 *	4118 *	4172 *	4219 *	4312 *	4372 *	4316 *
-15.0	4032 *	4050 *	4075 *	4105 *	4113 *	4188 *	4198 *	4283 *	4334 *	4265 *
-17.0	4020 *	4035 *	4052 *	4103 *	4084 *	4136 *	4170 *	4228 *	4264 *	4208 *
-19.5	3949 *	3976 *	3984 *	4033 *	4014 *	4086 *	4126 *	4145 *	4147 *	4116 *
-22.5	3938 *	3953 *	3972 *	4008 *	4003 *	4039 *	4051 *	4040 *	3992 *	3994 *
-25.5	3909 *	3934 *	3941 *	3980 *	3967 *	3979 *	3944 *	3946 *	3859 *	3855 *
-29.0	3869 *	3875 *	3907 *	3902 *	3873 *	3889 *	3834 *	3787 *	3755 *	3648 *
-33.0	3855 *	3852 *	3836 *	3803 *	3802 *	3735 *	3689 *	3603 *	3557 *	3452 *
-37.5	3936 *	3910 *	3867 *	3807 *	3750 *	3651 *	3578 *	3497 *	3370 *	3320 *
-42.5	4116 *	4066 *	3990 *	3883 *	3770 *	3675 *	3523 *	3348 *	3215 *	3054 *
-47.5	3996 *	3904 *	3773 *	3670 *	3578 *	3392 *	3211 *	3113 *	2901 *	2636 *
-55.0	3297 *	3212 *	3067 *	2948 *	2848 *	2649 *	2553 *	2346 *	2108 *	1657 *
-65.0	1750 *	1685 *	1592 *	1465 *	1384 *	1166 *	968 *	734	474	282
-75.0	108	111	112	112	112	115	123	121	116	107
-85.0	176	173	168	162	157	150	142	138	139	129
-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	1	0	0	0	0
85.0	228	133	42	9	0
75.0	911 *	196	92	27	0
65.0	2885 *	789	140	43	0
55.0	4667 *	1970 *	260	53	0
47.5	5219 *	2743 *	381	57	0
42.5	5382 *	3174 *	535	59	0
37.5	5323 *	3526 *	646	61	0
33.0	5256 *	3705 *	711	63	0
29.0	5195 *	3817 *	787	64	0
25.5	5119 *	3921 *	834	64	0
22.5	5056 *	3922 *	860	65	0
19.5	4995 *	3926 *	874 *	65	0
17.0	4939 *	3919 *	889 *	65	0
15.0	4894 *	3906 *	898 *	66	0
13.0	4850 *	3886 *	902 *	66	0
11.0	4807 *	3859 *	901 *	66	0
9.0	4764 *	3837 *	895 *	66	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	4722 *	3811 *	885 *	66	0
5.0	4679 *	3779 *	881 *	65	0
3.0	4637 *	3748 *	855	65	0
1.0	4592 *	3693 *	829	64	0
0.0	4570 *	3665 *	816	64	0
-1.0	4552 *	3640 *	805	64	0
-3.0	4517 *	3591 *	783	63	0
-5.0	4478 *	3516 *	762	63	0
-7.0	4439 *	3442 *	722	63	0
-9.0	4384 *	3360 *	690	62	0
-11.0	4324 *	3273 *	655	62	0
-13.0	4260 *	3173 *	620	60	0
-15.0	4189 *	3069 *	583	59	0
-17.0	4112 *	2957 *	545	58	0
-19.5	4006 *	2806 *	498	57	0
-22.5	3860 *	2609 *	449	55	0
-25.5	3703 *	2415 *	396	54	0
-29.0	3516 *	2101 *	332	52	0
-33.0	3247 *	1754 *	253	49	0
-37.5	2919 *	1365 *	204	47	0
-42.5	2472 *	941 *	154	43	0
-47.5	1878 *	589	108	40	0
-55.0	895 *	239	75	34	0
-65.0	133	73	50	26	0
-75.0	101	65	50	16	0
-85.0	114	70	28	5	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10664.84

Total Field Lumens (one side of beam only) = 10502.19

* 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	0.87	1.71	1.67	1.65	1.67	1.68	1.66	1.63	1.60	1.95
85	10.84 *	21.60 *	21.46 *	21.25 *	21.00 *	20.74 *	20.36 *	19.89 *	19.32 *	23.20 *
75	22.34 *	44.65 *	44.49 *	43.99 *	43.26 *	42.49 *	41.65 *	40.65 *	39.41 *	47.41 *
65	25.46 *	50.91 *	50.74 *	50.26 *	49.56 *	48.82 *	48.01 *	46.97 *	45.71 *	55.36 *
55	17.75 *	35.47 *	35.36 *	35.12 *	34.80 *	34.48 *	34.07 *	33.49 *	32.84 *	40.04 *
47.5	10.87 *	21.70 *	21.63 *	21.52 *	21.38 *	21.24 *	21.04 *	20.79 *	20.53 *	25.17 *
42.5	9.61 *	19.21 *	19.18 *	19.13 *	19.08 *	19.01 *	18.90 *	18.78 *	18.64 *	23.00 *
37.5	7.57 *	15.14 *	15.14 *	15.16 *	15.18 *	15.17 *	15.15 *	15.11 *	15.07 *	18.73 *
33	6.06 *	12.12 *	12.14 *	12.17 *	12.20 *	12.22 *	12.22 *	12.23 *	12.23 *	15.27 *
29	4.94 *	9.90 *	9.92 *	9.94 *	9.96 *	9.96 *	9.97 *	9.98 *	9.99 *	12.49 *
25.5	4.05 *	8.11 *	8.13 *	8.14 *	8.15 *	8.15 *	8.15 *	8.15 *	8.15 *	10.18 *
22.5	3.92 *	7.84 *	7.85 *	7.87 *	7.88 *	7.87 *	7.86 *	7.85 *	7.85 *	9.79 *
19.5	3.18 *	6.36 *	6.37 *	6.38 *	6.39 *	6.38 *	6.37 *	6.35 *	6.35 *	7.91 *
17	2.49 *	4.99 *	5.00 *	5.00 *	5.01 *	5.01 *	4.99 *	4.98 *	4.97 *	6.19 *
15	2.46 *	4.91 *	4.92 *	4.92 *	4.93 *	4.93 *	4.91 *	4.90 *	4.88 *	6.08 *
13	2.42 *	4.84 *	4.84 *	4.85 *	4.85 *	4.85 *	4.84 *	4.82 *	4.81 *	5.99 *
11	2.39 *	4.78 *	4.78 *	4.78 *	4.79 *	4.79 *	4.77 *	4.76 *	4.75 *	5.91 *
9	2.36 *	4.71 *	4.71 *	4.72 *	4.73 *	4.73 *	4.72 *	4.70 *	4.69 *	5.84 *
7	2.33 *	4.66 *	4.66 *	4.67 *	4.68 *	4.68 *	4.67 *	4.65 *	4.64 *	5.78 *
5	2.31 *	4.61 *	4.62 *	4.63 *	4.64 *	4.64 *	4.63 *	4.61 *	4.60 *	5.73 *
3	2.30 *	4.59 *	4.59 *	4.60 *	4.61 *	4.61 *	4.60 *	4.59 *	4.58 *	5.70 *
1	1.15 *	2.29 *	2.29 *	2.30 *	2.30 *	2.30 *	2.30 *	2.29 *	2.29 *	2.85 *
0	1.15 *	2.29 *	2.29 *	2.30 *	2.30 *	2.30 *	2.30 *	2.29 *	2.29 *	2.85 *
-1	2.31 *	4.61 *	4.60 *	4.61 *	4.62 *	4.61 *	4.60 *	4.59 *	4.57 *	5.69 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	2.32 *	4.64 *	4.63 *	4.63 *	4.63 *	4.63 *	4.62 *	4.60 *	4.58 *	5.70 *
-5	2.34 *	4.67 *	4.67 *	4.67 *	4.66 *	4.66 *	4.64 *	4.62 *	4.60 *	5.72 *
-7	2.35 *	4.71 *	4.70 *	4.70 *	4.70 *	4.69 *	4.67 *	4.65 *	4.63 *	5.76 *
-9	2.37 *	4.74 *	4.74 *	4.74 *	4.74 *	4.73 *	4.71 *	4.68 *	4.66 *	5.80 *
-11	2.38 *	4.77 *	4.78 *	4.78 *	4.77 *	4.76 *	4.74 *	4.72 *	4.69 *	5.83 *
-13	2.40 *	4.80 *	4.80 *	4.81 *	4.80 *	4.79 *	4.77 *	4.74 *	4.72 *	5.86 *
-15	2.40 *	4.81 *	4.81 *	4.81 *	4.80 *	4.79 *	4.77 *	4.75 *	4.72 *	5.86 *
-17	2.96 *	5.92 *	5.91 *	5.91 *	5.92 *	5.92 *	5.89 *	5.87 *	5.85 *	7.25 *
-19.5	3.49 *	6.98 *	6.98 *	7.00 *	7.03 *	7.02 *	6.99 *	6.97 *	6.95 *	8.62 *
-22.5	3.48 *	6.97 *	6.98 *	6.98 *	6.98 *	6.99 *	6.98 *	6.94 *	6.91 *	8.57 *
-25.5	4.03 *	8.06 *	8.07 *	8.07 *	8.07 *	8.08 *	8.06 *	8.03 *	7.99 *	9.91 *
-29	4.58 *	9.19 *	9.22 *	9.24 *	9.22 *	9.19 *	9.15 *	9.11 *	9.05 *	11.19 *
-33	5.27 *	10.57 *	10.60 *	10.60 *	10.58 *	10.53 *	10.45 *	10.37 *	10.25 *	12.58 *
-37.5	6.20 *	12.41 *	12.41 *	12.39 *	12.35 *	12.27 *	12.13 *	11.94 *	11.73 *	14.31 *
-42.5	6.31 *	12.65 *	12.65 *	12.62 *	12.57 *	12.50 *	12.33 *	12.07 *	11.77 *	14.22 *
-47.5	8.64 *	17.29 *	17.28 *	17.22 *	17.11 *	16.96 *	16.71 *	16.32 *	15.82 *	18.92 *
-55	8.68 *	17.37 *	17.30 *	17.01 *	16.57 *	16.11 *	15.62 *	15.11 *	14.56 *	17.28 *
-65	3.54 *	7.07 *	6.97 *	6.75 *	6.45 *	6.15 *	5.86 *	5.59 *	5.35 *	6.33 *
-75	0.44	0.81	0.72	0.70	0.73	0.77	0.80	0.82	0.83	1.02
-85	0.12	0.22	0.20	0.20	0.22	0.23	0.24	0.25	0.26	0.31
-90										
Total	225.43	450.67	449.81	447.77	444.88	441.44	436.88	431.21	424.67	520.17

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	2.25	2.13	2.24	2.17	1.94	1.52	1.01	0.98	0.69	0.23
85	26.39 *	24.72 *	26.51 *	27.11 *	25.81 *	22.29 *	15.75 *	12.83 *	5.58	1.20
75	54.31 *	51.26 *	55.09 *	56.97 *	56.14 *	51.82 *	40.32 *	37.44 *	18.18 *	3.17
65	63.90 *	60.80 *	65.93 *	69.17 *	70.14 *	68.38 *	57.80 *	63.08 *	39.21 *	8.22
55	46.30 *	44.21 *	48.78 *	52.13 *	53.90 *	53.99 *	47.58 *	57.17 *	41.64 *	10.45 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5	29.24 *	28.08 *	31.29 *	33.66 *	35.14 *	35.55 *	31.85 *	39.82 *	31.41 *	8.89 *
42.5	26.99 *	26.20 *	29.46 *	31.96 *	33.58 *	34.24 *	30.96 *	39.48 *	33.09 *	10.25 *
37.5	22.21 *	21.82 *	24.81 *	27.26 *	28.88 *	29.64 *	27.00 *	34.81 *	30.48 *	10.05 *
33	18.22 *	18.00 *	20.63 *	22.94 *	24.59 *	25.47 *	23.33 *	30.35 *	27.34 *	9.39 *
29	14.94 *	14.81 *	17.04 *	19.09 *	20.70 *	21.64 *	19.91 *	26.07 *	24.03 *	8.52 *
25.5	12.19 *	12.11 *	13.97 *	15.70 *	17.13 *	18.04 *	16.70 *	21.98 *	20.56 *	7.44 *
22.5	11.71 *	11.64 *	13.44 *	15.15 *	16.60 *	17.60 *	16.38 *	21.64 *	20.42 *	7.48 *
19.5	9.46 *	9.39 *	10.85 *	12.24 *	13.47 *	14.36 *	13.40 *	17.77 *	16.90 *	6.25 *
17	7.40 *	7.34 *	8.47 *	9.57 *	10.55 *	11.29 *	10.57 *	14.05 *	13.43 *	5.00 *
15	7.27 *	7.21 *	8.32 *	9.40 *	10.37 *	11.13 *	10.45 *	13.93 *	13.34 *	4.99 *
13	7.15 *	7.09 *	8.18 *	9.24 *	10.21 *	10.98 *	10.35 *	13.80 *	13.24 *	4.97 *
11	7.05 *	6.99 *	8.06 *	9.10 *	10.07 *	10.85 *	10.24 *	13.67 *	13.13 *	4.94 *
9	6.96 *	6.90 *	7.96 *	8.99 *	9.95 *	10.73 *	10.12 *	13.53 *	13.03 *	4.91 *
7	6.89 *	6.83 *	7.87 *	8.89 *	9.83 *	10.60 *	10.01 *	13.39 *	12.92 *	4.87 *
5	6.84 *	6.78 *	7.81 *	8.80 *	9.73 *	10.49 *	9.91 *	13.26 *	12.81 *	4.82 *
3	6.80 *	6.74 *	7.76 *	8.75 *	9.66 *	10.41 *	9.82 *	13.14 *	12.68 *	4.75 *
1	3.39 *	3.36 *	3.87 *	4.36 *	4.81 *	5.18 *	4.88 *	6.53 *	6.28 *	2.34 *
0	3.39 *	3.36 *	3.87 *	4.36 *	4.80 *	5.16 *	4.87 *	6.50 *	6.25 *	2.32 *
-1	6.79 *	6.72 *	7.73 *	8.70 *	9.57 *	10.28 *	9.69 *	12.94 *	12.40 *	4.59 *
-3	6.80 *	6.73 *	7.73 *	8.69 *	9.55 *	10.24 *	9.63 *	12.84 *	12.25 *	4.50 *
-5	6.82 *	6.74 *	7.75 *	8.70 *	9.55 *	10.21 *	9.58 *	12.74 *	12.07 *	4.39 *
-7	6.85 *	6.77 *	7.77 *	8.72 *	9.56 *	10.20 *	9.52 *	12.62 *	11.88 *	4.27 *
-9	6.89 *	6.80 *	7.80 *	8.74 *	9.57 *	10.18 *	9.46 *	12.48 *	11.67 *	4.15 *
-11	6.93 *	6.83 *	7.84 *	8.76 *	9.56 *	10.15 *	9.39 *	12.33 *	11.43 *	4.02 *
-13	6.96 *	6.85 *	7.86 *	8.76 *	9.52 *	10.09 *	9.31 *	12.17 *	11.17 *	3.87 *
-15	6.97 *	6.85 *	7.83 *	8.72 *	9.45 *	9.98 *	9.19 *	11.98 *	10.90 *	3.72 *
-17	8.62 *	8.47 *	9.67 *	10.78 *	11.66 *	12.24 *	11.26 *	14.68 *	13.20 *	4.43 *
-19.5	10.23 *	10.05 *	11.47 *	12.77 *	13.73 *	14.28 *	13.12 *	17.12 *	15.15 *	4.96 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	10.17 *	9.99 *	11.36 *	12.54 *	13.41 *	13.85 *	12.68 *	16.52 *	14.36 *	4.58 *
-25.5	11.74 *	11.48 *	13.03 *	14.30 *	15.19 *	15.66 *	14.24 *	18.41 *	15.62 *	4.77 *
-29	13.18 *	12.84 *	14.50 *	15.82 *	16.69 *	17.15 *	15.52 *	19.81 *	16.15 *	4.62 *
-33	14.70 *	14.24 *	15.93 *	17.21 *	18.09 *	18.41 *	16.59 *	20.80 *	15.89 *	4.19 *
-37.5	16.58 *	15.87 *	17.59 *	18.83 *	19.51 *	19.58 *	17.44 *	21.01 *	14.64 *	3.46
-42.5	16.33 *	15.55 *	17.08 *	18.01 *	18.46 *	18.34 *	15.89 *	17.93 *	11.18 *	2.33
-47.5	21.53 *	20.42 *	22.15 *	23.11 *	23.55 *	22.89 *	18.78 *	18.93 *	10.27 *	1.97
-55	19.35 *	18.04 *	19.07 *	19.15 *	18.47 *	16.51 *	12.17 *	10.60	5.10	1.14
-65	7.00	6.41	6.58	6.19	5.44	4.21	2.64	2.23	1.41	0.62
-75	1.18	1.13	1.27	1.38	1.47	1.50	1.32	1.61	1.33	0.55
-85	0.35	0.33	0.36	0.38	0.39	0.40	0.36	0.43	0.35	0.13
-90										
Total	607.23	586.87	654.56	707.26	740.38	747.70	660.97	805.42	655.06	206.70

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.03	0.00	31.29
85			
	0.22	0.01	388.10
75			
	0.40	0.01	835.44
65			
	0.66	0.02	1039.09
55			
	0.74	0.01	790.31
47.5			
	0.68	0.01	511.49
42.5			
	0.86	0.01	481.65
37.5			
	0.88	0.01	405.27
33			
	0.86	0.01	339.98
29			
	0.81	0.01	284.60
25.5			
	0.72	0.01	235.89
22.5			
	0.74	0.01	229.38
19.5			
	0.63	0.01	186.74
17			
	0.51	0.00	146.82

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

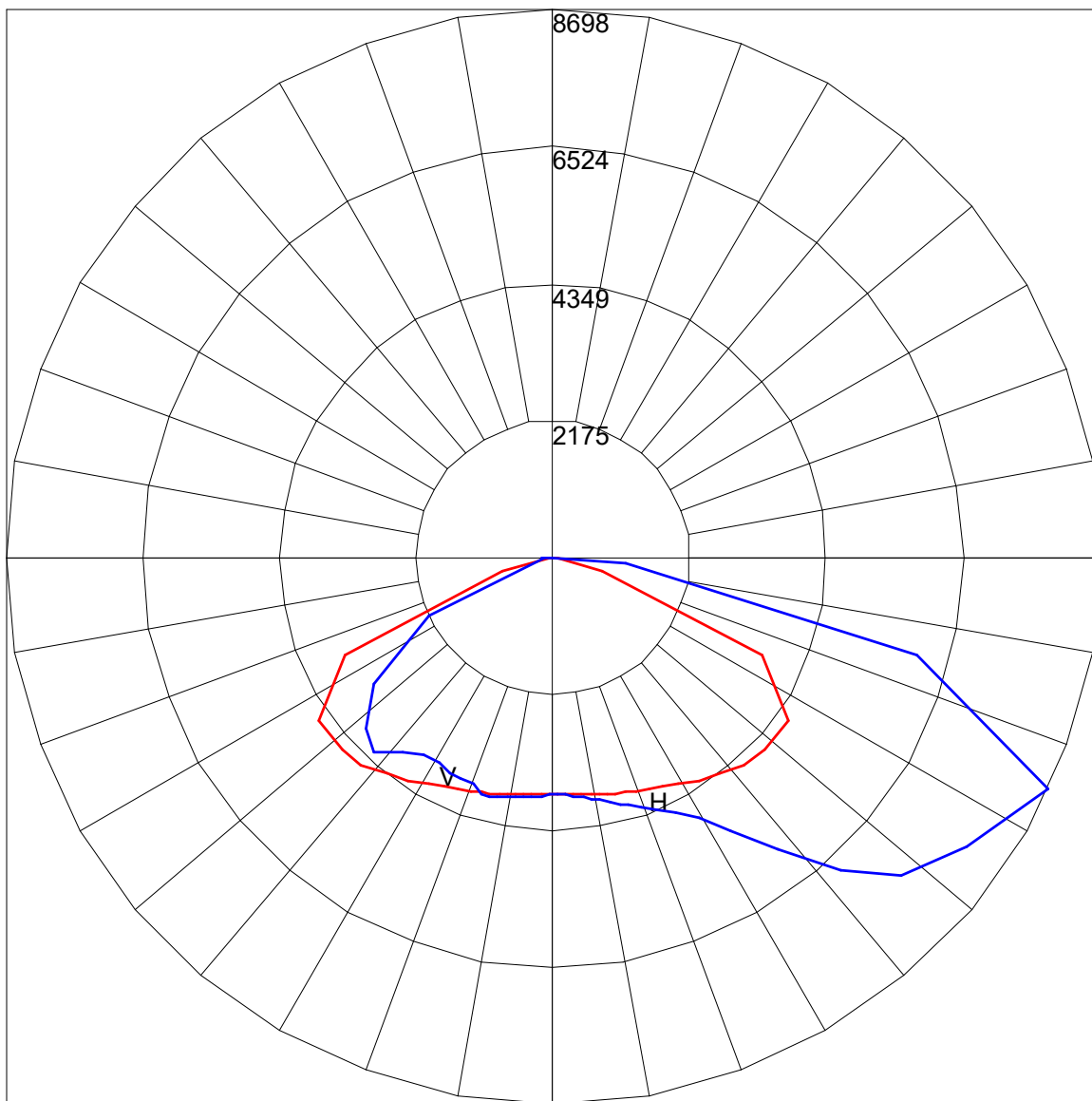
15			
	0.51	0.00	144.75
13			
	0.51	0.00	142.84
11			
	0.51	0.00	141.09
9			
	0.51	0.00	139.47
7			
	0.50	0.00	138.01
5			
	0.49	0.00	136.75
3			
	0.48	0.00	135.77
1			
	0.23	0.00	67.61
0			
	0.23	0.00	67.48
-1			
	0.45	0.00	134.67
-3			
	0.44	0.00	134.41
-5			
	0.43	0.00	134.25
-7			
	0.41	0.00	134.15
-9			
	0.39	0.00	134.05
-11			
	0.37	0.00	133.85
-13			
	0.35	0.00	133.42
-15			
	0.33	0.00	132.44
-17			
	0.38	0.00	162.79
-19.5			
	0.42	0.01	191.36
-22.5			
	0.38	0.01	187.63
-25.5			
	0.39	0.01	213.18
-29			
	0.36	0.01	235.77
-33			
	0.33	0.01	258.16
-37.5			
	0.30	0.01	282.98
-42.5			
	0.23	0.01	271.04
-47.5			
	0.25	0.01	346.14
-55			
	0.24	0.01	295.46
-65			
	0.19	0.01	102.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

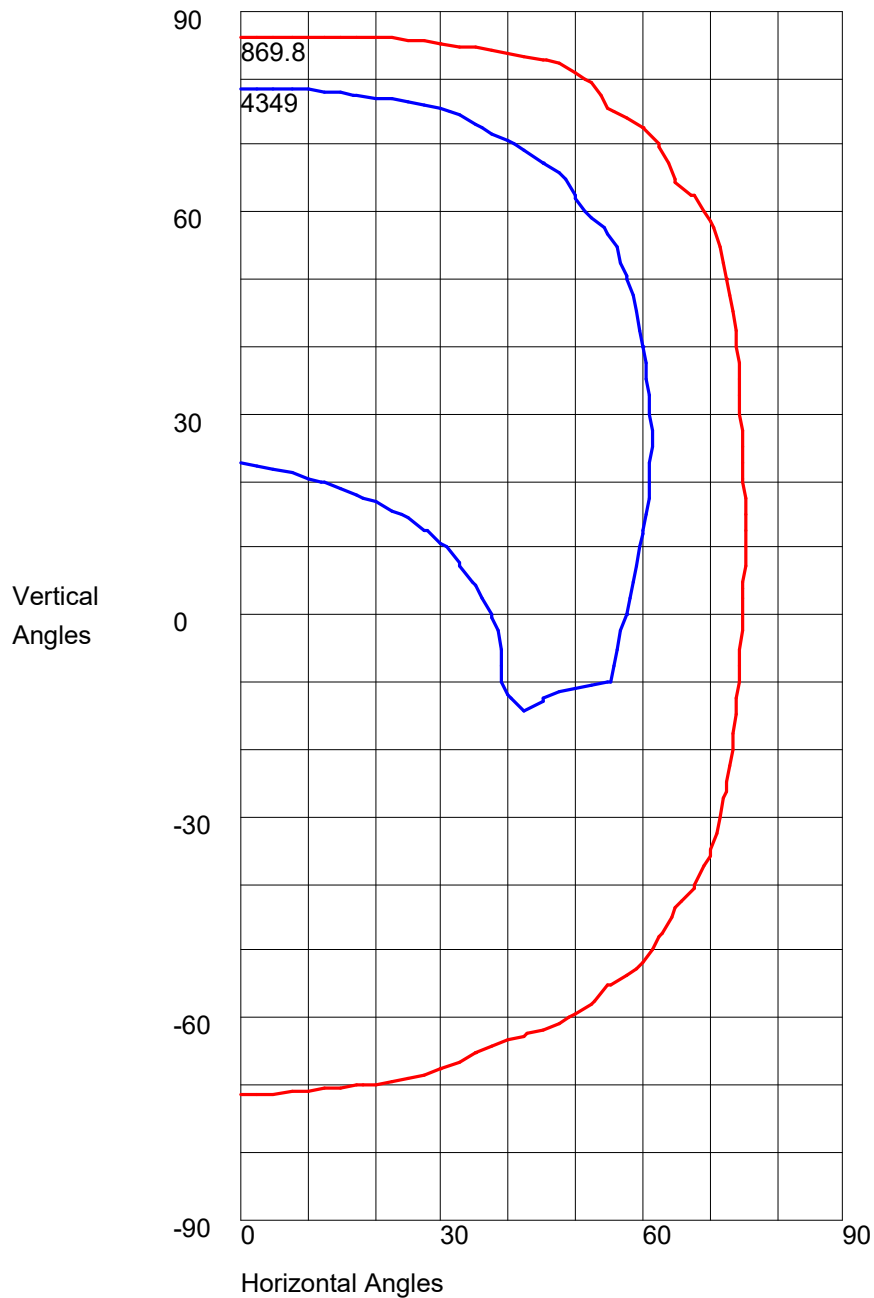
-75	0.13	0.00	20.53
-85	0.02	0.00	5.77
-90			
Total	19.49	0.26	10664.84

AXIAL CANDELA DISPLAY



Maximum Candela = 8698 Located At Horizontal Angle = -3, Vertical Angle = 65
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 8698 Located At Horizontal Angle = -3, Vertical Angle = 65
50% Maximum Candela = 4349
10% Maximum Candela = 869.8