



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-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-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	6 H x 7 V
Maximum Candela	8922
Maximum Candela Angle	-3H 65V
Horizontal Beam Angle (50%)	96.8
Vertical Beam Angle (50%)	56.1
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	11502
Beam Efficiency	N.A.
Field Lumens	21546
Field Efficiency	N.A.
Spill Lumens	334
Luminaire Lumens	21880
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	1
85	66	85	1182
75	837	75	6130
65	3760	65	8913
55	4688	55	8236
47.5	4664	47.5	7710
42.5	4625	42.5	6934
37.5	4463	37.5	6018
33	4341	33	5319
29	4221	29	4878
25.5	4156	25.5	4627
22.5	4106	22.5	4461
19.5	4057	19.5	4328
17	4019	17	4233
15	3989	15	4165
13	3965	13	4103
11	3948	11	4046
9	3929	9	3993
7	3904	7	3945
5	3882	5	3905
3	3864	3	3878
1	3861	1	3866
0	3862	0	3862
-1	3861	-1	3878
-3	3864	-3	3905
-5	3882	-5	3923
-7	3904	-7	3946
-9	3929	-9	3973
-11	3948	-11	4000
-13	3965	-13	4024
-15	3989	-15	4042
-17	4019	-17	4045
-19.5	4057	-19.5	3920
-22.5	4106	-22.5	3909
-25.5	4156	-25.5	3908
-29	4221	-29	3833
-33	4341	-33	3865
-37.5	4463	-37.5	4012
-42.5	4625	-42.5	4336
-47.5	4664	-47.5	4165
-55	4688	-55	3592
-65	3760	-65	2253
-75	837	-75	136
-85	66	-85	165
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION

Maximum Candela = 8922

Beam Edge = 4461 Cd (50% of Max.)

Field Edge = 892.2 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	1	1	1	1	1	1
85.0	0	9	43	136	234	328	443	628	792	911 *
75.0	0	27	95	202	935 *	2189 *	3044 *	3726 *	4316 *	4632 *
65.0	0	43	143	810	2960 *	4667 *	5466 *	5994 *	6548 *	6887 *
55.0	0	54	266	2021 *	4787 *	5697 *	6199 *	6396 *	6776 *	6969 *
47.5	0	58	391	2814 *	5354 *	6050 *	6233 *	6496 *	6682 *	6885 *
42.5	0	61	549	3256 *	5520 *	5941 *	6051 *	6235 *	6354 *	6531 *
37.5	0	63	662	3617 *	5460 *	5751 *	5853 *	5955 *	6079 *	6153 *
33.0	0	64	729	3800 *	5391 *	5608 *	5651 *	5710 *	5782 *	5788 *
29.0	0	65	807	3916 *	5329 *	5457 *	5515 *	5520 *	5522 *	5440 *
25.5	0	66	856	4022 *	5252 *	5347 *	5358 *	5355 *	5287 *	5181 *
22.5	0	67	882	4024 *	5187 *	5256 *	5251 *	5187 *	5107 *	4987 *
19.5	0	67	896 *	4028 *	5125 *	5151 *	5149 *	5050 *	4940 *	4809 *
17.0	0	67	912 *	4020 *	5066 *	5064 *	5060 *	4950 *	4812 *	4681 *
15.0	0	67	921 *	4006 *	5020 *	5024 *	4989 *	4864 *	4723 *	4590 *
13.0	0	67	925 *	3986 *	4975 *	4978 *	4931 *	4786 *	4642 *	4507 *
11.0	0	68	924 *	3958 *	4931 *	4928 *	4877 *	4721 *	4570 *	4435 *
9.0	0	68	918 *	3936 *	4887 *	4875 *	4823 *	4666 *	4506 *	4373 *
7.0	0	68	907 *	3910 *	4843 *	4819 *	4769 *	4610 *	4452 *	4324 *
5.0	0	67	903 *	3876 *	4800 *	4765 *	4715 *	4555 *	4405 *	4281 *
3.0	0	67	877	3845 *	4756 *	4721 *	4673 *	4510 *	4366 *	4242 *
1.0	0	66	850	3788 *	4711 *	4683 *	4641 *	4477 *	4349 *	4227 *
0.0	0	66	837	3760 *	4688 *	4664 *	4625 *	4463 *	4341 *	4221 *
-1.0	0	66	826	3735 *	4670 *	4649 *	4612 *	4452 *	4334 *	4217 *
-3.0	0	65	804	3685 *	4633 *	4618 *	4585 *	4435 *	4323 *	4212 *
-5.0	0	65	781	3607 *	4594 *	4591 *	4563 *	4428 *	4325 *	4218 *
-7.0	0	64	741	3531 *	4554 *	4556 *	4545 *	4429 *	4330 *	4226 *
-9.0	0	64	707	3446 *	4498 *	4516 *	4526 *	4432 *	4337 *	4240 *
-11.0	0	64	672	3358 *	4436 *	4474 *	4506 *	4436 *	4339 *	4261 *
-13.0	0	62	636	3255 *	4370 *	4427 *	4485 *	4423 *	4328 *	4280 *
-15.0	0	61	598	3148 *	4297 *	4375 *	4445 *	4393 *	4307 *	4296 *
-17.0	0	60	559	3033 *	4218 *	4316 *	4373 *	4337 *	4278 *	4242 *
-19.5	0	59	511	2878 *	4109 *	4222 *	4254 *	4251 *	4233 *	4191 *
-22.5	0	57	461	2676 *	3960 *	4097 *	4095 *	4144 *	4156 *	4143 *
-25.5	0	55	407	2477 *	3799 *	3955 *	3959 *	4048 *	4046 *	4081 *
-29.0	0	53	340	2155 *	3606 *	3742 *	3852 *	3885 *	3933 *	3989 *
-33.0	0	51	260	1799 *	3331 *	3541 *	3649 *	3697 *	3784 *	3831 *
-37.5	0	48	209	1401 *	2995 *	3406 *	3457 *	3587 *	3670 *	3746 *
-42.5	0	44	158	966 *	2536 *	3133 *	3298 *	3435 *	3614 *	3770 *
-47.5	0	41	111	604	1926 *	2703 *	2976 *	3194 *	3294 *	3480 *
-55.0	0	35	77	245	919 *	1699 *	2163 *	2406 *	2619 *	2717 *
-65.0	0	27	51	75	136	289	486	753	993 *	1196 *
-75.0	0	16	51	67	103	110	119	124	126	118
-85.0	0	5	29	72	117	132	142	142	145	154
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

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	1024 *	1068 *	1096 *	1116 *	1129 *	1129 *	1157 *	1142 *	1126 *	1111 *
75.0	4913 *	5147 *	5379 *	5572 *	5725 *	5827 *	5906 *	5977 *	6039 *	6117 *
65.0	7420 *	7715 *	7880 *	8069 *	8249 *	8418 *	8530 *	8645 *	8760 *	8873 *
55.0	7268 *	7482 *	7659 *	7798 *	7910 *	8023 *	8086 *	8128 *	8175 *	8228 *
47.5	7038 *	7185 *	7367 *	7462 *	7506 *	7557 *	7610 *	7616 *	7637 *	7670 *
42.5	6640 *	6744 *	6837 *	6901 *	6899 *	6902 *	6914 *	6915 *	6913 *	6921 *
37.5	6184 *	6191 *	6192 *	6175 *	6148 *	6121 *	6098 *	6079 *	6050 *	6032 *
33.0	5746 *	5710 *	5652 *	5594 *	5548 *	5498 *	5457 *	5426 *	5385 *	5345 *
29.0	5358 *	5309 *	5243 *	5171 *	5112 *	5067 *	5021 *	4982 *	4954 *	4923 *
25.5	5098 *	5031 *	4948 *	4882 *	4829 *	4784 *	4745 *	4716 *	4695 *	4668 *
22.5	4891 *	4822 *	4744 *	4681 *	4642 *	4601 *	4568 *	4545 *	4521 *	4498 *
19.5	4709 *	4644 *	4572 *	4521 *	4482 *	4448 *	4423 *	4409 *	4382 *	4361 *
17.0	4583 *	4521 *	4456 *	4410 *	4370 *	4343 *	4322 *	4303 *	4282 *	4259 *
15.0	4493 *	4436 *	4373 *	4326 *	4296 *	4268 *	4254 *	4235 *	4211 *	4189 *
13.0	4419 *	4360 *	4302 *	4259 *	4226 *	4201 *	4185 *	4170 *	4143 *	4124 *
11.0	4353 *	4292 *	4239 *	4198 *	4168 *	4142 *	4128 *	4108 *	4085 *	4063 *
9.0	4290 *	4238 *	4185 *	4145 *	4113 *	4091 *	4074 *	4054 *	4031 *	4009 *
7.0	4238 *	4189 *	4137 *	4097 *	4067 *	4042 *	4029 *	4008 *	3982 *	3962 *
5.0	4205 *	4153 *	4095 *	4057 *	4028 *	4005 *	3988 *	3968 *	3945 *	3920 *
3.0	4175 *	4124 *	4069 *	4031 *	4002 *	3978 *	3957 *	3939 *	3915 *	3893 *
1.0	4161 *	4108 *	4056 *	4017 *	3988 *	3964 *	3946 *	3926 *	3902 *	3877 *
0.0	4156 *	4106 *	4057 *	4019 *	3989 *	3965 *	3948 *	3929 *	3904 *	3882 *
-1.0	4153 *	4104 *	4055 *	4018 *	3989 *	3967 *	3951 *	3931 *	3906 *	3881 *
-3.0	4152 *	4106 *	4058 *	4022 *	3995 *	3973 *	3955 *	3939 *	3917 *	3901 *
-5.0	4159 *	4115 *	4066 *	4033 *	4008 *	3989 *	3975 *	3960 *	3942 *	3926 *
-7.0	4167 *	4130 *	4088 *	4055 *	4029 *	4010 *	4003 *	3989 *	3971 *	3957 *
-9.0	4181 *	4152 *	4115 *	4082 *	4058 *	4041 *	4032 *	4019 *	4004 *	3990 *
-11.0	4200 *	4174 *	4140 *	4109 *	4088 *	4070 *	4065 *	4051 *	4037 *	4022 *
-13.0	4224 *	4192 *	4164 *	4135 *	4114 *	4097 *	4089 *	4081 *	4066 *	4050 *
-15.0	4220 *	4210 *	4179 *	4154 *	4136 *	4119 *	4111 *	4102 *	4084 *	4068 *
-17.0	4189 *	4209 *	4156 *	4138 *	4123 *	4095 *	4102 *	4076 *	4061 *	4063 *
-19.5	4117 *	4138 *	4087 *	4078 *	4051 *	4021 *	4009 *	4002 *	3974 *	3921 *
-22.5	4107 *	4112 *	4074 *	4055 *	4039 *	4015 *	4007 *	3989 *	3966 *	3945 *
-25.5	4069 *	4083 *	4043 *	4036 *	4010 *	3995 *	3995 *	3948 *	3919 *	3917 *
-29.0	3973 *	4003 *	4008 *	3975 *	3969 *	3948 *	3929 *	3912 *	3897 *	3874 *
-33.0	3901 *	3901 *	3935 *	3952 *	3955 *	3947 *	3934 *	3936 *	3938 *	3927 *
-37.5	3847 *	3905 *	3967 *	4010 *	4038 *	4052 *	4063 *	4070 *	4052 *	4036 *
-42.5	3867 *	3983 *	4093 *	4170 *	4221 *	4269 *	4316 *	4337 *	4343 *	4351 *
-47.5	3670 *	3765 *	3871 *	4005 *	4099 *	4173 *	4226 *	4217 *	4206 *	4191 *
-55.0	2922 *	3025 *	3147 *	3294 *	3382 *	3447 *	3492 *	3529 *	3561 *	3592 *
-65.0	1419 *	1502 *	1633 *	1728 *	1795 *	1864 *	1954 *	2046 *	2138 *	2227 *
-75.0	115	115	115	114	112	109	106	105	103	102
-85.0	161	167	173	177	181	171	165	153	140	128
-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	1139 *	1168 *	1182 *	1168 *	1139 *	1111 *	1126 *	1142 *	1157 *	1129 *
75.0	6124 *	6128 *	6130 *	6128 *	6124 *	6117 *	6039 *	5977 *	5906 *	5827 *
65.0	8922 *	8916 *	8913 *	8916 *	8922 *	8873 *	8760 *	8645 *	8530 *	8418 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

55.0	8236 *	8236 *	8236 *	8236 *	8236 *	8228 *	8175 *	8128 *	8086 *	8023 *
47.5	7695 *	7705 *	7710 *	7705 *	7695 *	7670 *	7637 *	7616 *	7610 *	7557 *
42.5	6920 *	6929 *	6934 *	6929 *	6920 *	6921 *	6913 *	6915 *	6914 *	6902 *
37.5	6027 *	6015 *	6018 *	6015 *	6027 *	6032 *	6050 *	6079 *	6098 *	6121 *
33.0	5318 *	5315 *	5319 *	5315 *	5318 *	5345 *	5385 *	5426 *	5457 *	5498 *
29.0	4902 *	4884 *	4878 *	4884 *	4902 *	4923 *	4954 *	4982 *	5021 *	5067 *
25.5	4647 *	4632 *	4627 *	4632 *	4647 *	4668 *	4695 *	4716 *	4745 *	4784 *
22.5	4475 *	4462 *	4461 *	4462 *	4475 *	4498 *	4521 *	4545 *	4568 *	4601 *
19.5	4341 *	4331 *	4328 *	4331 *	4341 *	4361 *	4382 *	4409 *	4423 *	4448 *
17.0	4243 *	4235 *	4233 *	4235 *	4243 *	4259 *	4282 *	4303 *	4322 *	4343 *
15.0	4175 *	4166 *	4165 *	4166 *	4175 *	4189 *	4211 *	4235 *	4254 *	4268 *
13.0	4112 *	4105 *	4103 *	4105 *	4112 *	4124 *	4143 *	4170 *	4185 *	4201 *
11.0	4053 *	4047 *	4046 *	4047 *	4053 *	4063 *	4085 *	4108 *	4128 *	4142 *
9.0	3997 *	3994 *	3993 *	3994 *	3997 *	4009 *	4031 *	4054 *	4074 *	4091 *
7.0	3943 *	3945 *	3945 *	3945 *	3943 *	3962 *	3982 *	4008 *	4029 *	4042 *
5.0	3906 *	3901 *	3905 *	3901 *	3906 *	3920 *	3945 *	3968 *	3988 *	4005 *
3.0	3873 *	3872 *	3878 *	3872 *	3873 *	3893 *	3915 *	3939 *	3957 *	3978 *
1.0	3861 *	3857 *	3866 *	3857 *	3861 *	3877 *	3902 *	3926 *	3946 *	3964 *
0.0	3864 *	3861 *	3862 *	3861 *	3864 *	3882 *	3904 *	3929 *	3948 *	3965 *
-1.0	3867 *	3870 *	3878 *	3870 *	3867 *	3881 *	3906 *	3931 *	3951 *	3967 *
-3.0	3893 *	3905 *	3905 *	3905 *	3893 *	3901 *	3917 *	3939 *	3955 *	3973 *
-5.0	3922 *	3924 *	3923 *	3924 *	3922 *	3926 *	3942 *	3960 *	3975 *	3989 *
-7.0	3951 *	3949 *	3946 *	3949 *	3951 *	3957 *	3971 *	3989 *	4003 *	4010 *
-9.0	3982 *	3978 *	3973 *	3978 *	3982 *	3990 *	4004 *	4019 *	4032 *	4041 *
-11.0	4012 *	4005 *	4000 *	4005 *	4012 *	4022 *	4037 *	4051 *	4065 *	4070 *
-13.0	4037 *	4028 *	4024 *	4028 *	4037 *	4050 *	4066 *	4081 *	4089 *	4097 *
-15.0	4055 *	4046 *	4042 *	4046 *	4055 *	4068 *	4084 *	4102 *	4111 *	4119 *
-17.0	4060 *	4049 *	4045 *	4049 *	4060 *	4063 *	4061 *	4076 *	4102 *	4095 *
-19.5	3922 *	3922 *	3920 *	3922 *	3922 *	3921 *	3974 *	4002 *	4009 *	4021 *
-22.5	3927 *	3913 *	3909 *	3913 *	3927 *	3945 *	3966 *	3989 *	4007 *	4015 *
-25.5	3915 *	3911 *	3908 *	3911 *	3915 *	3917 *	3919 *	3948 *	3995 *	3995 *
-29.0	3851 *	3838 *	3833 *	3838 *	3851 *	3874 *	3897 *	3912 *	3929 *	3948 *
-33.0	3908 *	3881 *	3865 *	3881 *	3908 *	3927 *	3938 *	3936 *	3934 *	3947 *
-37.5	4024 *	4014 *	4012 *	4014 *	4024 *	4036 *	4052 *	4070 *	4063 *	4052 *
-42.5	4352 *	4341 *	4336 *	4341 *	4352 *	4351 *	4343 *	4337 *	4316 *	4269 *
-47.5	4181 *	4170 *	4165 *	4170 *	4181 *	4191 *	4206 *	4217 *	4226 *	4173 *
-55.0	3594 *	3593 *	3592 *	3593 *	3594 *	3592 *	3561 *	3529 *	3492 *	3447 *
-65.0	2264 *	2257 *	2253 *	2257 *	2264 *	2227 *	2138 *	2046 *	1954 *	1864 *
-75.0	115	129	136	129	115	102	103	105	106	109
-85.0	143	158	165	158	143	128	140	153	165	171
-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	1129 *	1116 *	1096 *	1068 *	1024 *	911 *	792	628	443	328
75.0	5725 *	5572 *	5379 *	5147 *	4913 *	4632 *	4316 *	3726 *	3044 *	2189 *
65.0	8249 *	8069 *	7880 *	7715 *	7420 *	6887 *	6548 *	5994 *	5466 *	4667 *
55.0	7910 *	7798 *	7659 *	7482 *	7268 *	6969 *	6776 *	6396 *	6199 *	5697 *
47.5	7506 *	7462 *	7367 *	7185 *	7038 *	6885 *	6682 *	6496 *	6233 *	6050 *
42.5	6899 *	6901 *	6837 *	6744 *	6640 *	6531 *	6354 *	6235 *	6051 *	5941 *
37.5	6148 *	6175 *	6192 *	6191 *	6184 *	6153 *	6079 *	5955 *	5853 *	5751 *
33.0	5548 *	5594 *	5652 *	5710 *	5746 *	5788 *	5782 *	5710 *	5651 *	5608 *
29.0	5112 *	5171 *	5243 *	5309 *	5358 *	5440 *	5522 *	5520 *	5515 *	5457 *
25.5	4829 *	4882 *	4948 *	5031 *	5098 *	5181 *	5287 *	5355 *	5358 *	5347 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

22.5	4642 *	4681 *	4744 *	4822 *	4891 *	4987 *	5107 *	5187 *	5251 *	5256 *
19.5	4482 *	4521 *	4572 *	4644 *	4709 *	4809 *	4940 *	5050 *	5149 *	5151 *
17.0	4370 *	4410 *	4456 *	4521 *	4583 *	4681 *	4812 *	4950 *	5060 *	5064 *
15.0	4296 *	4326 *	4373 *	4436 *	4493 *	4590 *	4723 *	4864 *	4989 *	5024 *
13.0	4226 *	4259 *	4302 *	4360 *	4419 *	4507 *	4642 *	4786 *	4931 *	4978 *
11.0	4168 *	4198 *	4239 *	4292 *	4353 *	4435 *	4570 *	4721 *	4877 *	4928 *
9.0	4113 *	4145 *	4185 *	4238 *	4290 *	4373 *	4506 *	4666 *	4823 *	4875 *
7.0	4067 *	4097 *	4137 *	4189 *	4238 *	4324 *	4452 *	4610 *	4769 *	4819 *
5.0	4028 *	4057 *	4095 *	4153 *	4205 *	4281 *	4405 *	4555 *	4715 *	4765 *
3.0	4002 *	4031 *	4069 *	4124 *	4175 *	4242 *	4366 *	4510 *	4673 *	4721 *
1.0	3988 *	4017 *	4056 *	4108 *	4161 *	4227 *	4349 *	4477 *	4641 *	4683 *
0.0	3989 *	4019 *	4057 *	4106 *	4156 *	4221 *	4341 *	4463 *	4625 *	4664 *
-1.0	3989 *	4018 *	4055 *	4104 *	4153 *	4217 *	4334 *	4452 *	4612 *	4649 *
-3.0	3995 *	4022 *	4058 *	4106 *	4152 *	4212 *	4323 *	4435 *	4585 *	4618 *
-5.0	4008 *	4033 *	4066 *	4115 *	4159 *	4218 *	4325 *	4428 *	4563 *	4591 *
-7.0	4029 *	4055 *	4088 *	4130 *	4167 *	4226 *	4330 *	4429 *	4545 *	4556 *
-9.0	4058 *	4082 *	4115 *	4152 *	4181 *	4240 *	4337 *	4432 *	4526 *	4516 *
-11.0	4088 *	4109 *	4140 *	4174 *	4200 *	4261 *	4339 *	4436 *	4506 *	4474 *
-13.0	4114 *	4135 *	4164 *	4192 *	4224 *	4280 *	4328 *	4423 *	4485 *	4427 *
-15.0	4136 *	4154 *	4179 *	4210 *	4220 *	4296 *	4307 *	4393 *	4445 *	4375 *
-17.0	4123 *	4138 *	4156 *	4209 *	4189 *	4242 *	4278 *	4337 *	4373 *	4316 *
-19.5	4051 *	4078 *	4087 *	4138 *	4117 *	4191 *	4233 *	4251 *	4254 *	4222 *
-22.5	4039 *	4055 *	4074 *	4112 *	4107 *	4143 *	4156 *	4144 *	4095 *	4097 *
-25.5	4010 *	4036 *	4043 *	4083 *	4069 *	4081 *	4046 *	4048 *	3959 *	3955 *
-29.0	3969 *	3975 *	4008 *	4003 *	3973 *	3989 *	3933 *	3885 *	3852 *	3742 *
-33.0	3955 *	3952 *	3935 *	3901 *	3901 *	3831 *	3784 *	3697 *	3649 *	3541 *
-37.5	4038 *	4010 *	3967 *	3905 *	3847 *	3746 *	3670 *	3587 *	3457 *	3406 *
-42.5	4221 *	4170 *	4093 *	3983 *	3867 *	3770 *	3614 *	3435 *	3298 *	3133 *
-47.5	4099 *	4005 *	3871 *	3765 *	3670 *	3480 *	3294 *	3194 *	2976 *	2703 *
-55.0	3382 *	3294 *	3147 *	3025 *	2922 *	2717 *	2619 *	2406 *	2163 *	1699 *
-65.0	1795 *	1728 *	1633 *	1502 *	1419 *	1196 *	993 *	753	486	289
-75.0	112	114	115	115	115	118	126	124	119	110
-85.0	181	177	173	167	161	154	145	142	142	132
-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	234	136	43	9	0
75.0	935 *	202	95	27	0
65.0	2960 *	810	143	43	0
55.0	4787 *	2021 *	266	54	0
47.5	5354 *	2814 *	391	58	0
42.5	5520 *	3256 *	549	61	0
37.5	5460 *	3617 *	662	63	0
33.0	5391 *	3800 *	729	64	0
29.0	5329 *	3916 *	807	65	0
25.5	5252 *	4022 *	856	66	0
22.5	5187 *	4024 *	882	67	0
19.5	5125 *	4028 *	896 *	67	0
17.0	5066 *	4020 *	912 *	67	0
15.0	5020 *	4006 *	921 *	67	0
13.0	4975 *	3986 *	925 *	67	0
11.0	4931 *	3958 *	924 *	68	0
9.0	4887 *	3936 *	918 *	68	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	4843 *	3910 *	907 *	68	0
5.0	4800 *	3876 *	903 *	67	0
3.0	4756 *	3845 *	877	67	0
1.0	4711 *	3788 *	850	66	0
0.0	4688 *	3760 *	837	66	0
-1.0	4670 *	3735 *	826	66	0
-3.0	4633 *	3685 *	804	65	0
-5.0	4594 *	3607 *	781	65	0
-7.0	4554 *	3531 *	741	64	0
-9.0	4498 *	3446 *	707	64	0
-11.0	4436 *	3358 *	672	64	0
-13.0	4370 *	3255 *	636	62	0
-15.0	4297 *	3148 *	598	61	0
-17.0	4218 *	3033 *	559	60	0
-19.5	4109 *	2878 *	511	59	0
-22.5	3960 *	2676 *	461	57	0
-25.5	3799 *	2477 *	407	55	0
-29.0	3606 *	2155 *	340	53	0
-33.0	3331 *	1799 *	260	51	0
-37.5	2995 *	1401 *	209	48	0
-42.5	2536 *	966 *	158	44	0
-47.5	1926 *	604	111	41	0
-55.0	919 *	245	77	35	0
-65.0	136	75	51	27	0
-75.0	103	67	51	16	0
-85.0	117	72	29	5	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10939.88

Total Field Lumens (one side of beam only) = 10773.01

* 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	0.90	1.76	1.71	1.70	1.71	1.73	1.70	1.67	1.64	2.00
85	11.12 *	22.16 *	22.02 *	21.80 *	21.54 *	21.27 *	20.88 *	20.41 *	19.83 *	23.80 *
75	22.91 *	45.80 *	45.63 *	45.12 *	44.37 *	43.58 *	42.73 *	41.70 *	40.43 *	48.63 *
65	26.12 *	52.22 *	52.05 *	51.55 *	50.84 *	50.08 *	49.25 *	48.18 *	46.89 *	56.78 *
55	18.21 *	36.38 *	36.27 *	36.02 *	35.69 *	35.37 *	34.94 *	34.35 *	33.68 *	41.07 *
47.5	11.15 *	22.26 *	22.19 *	22.07 *	21.93 *	21.79 *	21.59 *	21.33 *	21.06 *	25.82 *
42.5	9.86 *	19.70 *	19.67 *	19.63 *	19.57 *	19.50 *	19.39 *	19.26 *	19.12 *	23.60 *
37.5	7.77 *	15.53 *	15.53 *	15.55 *	15.57 *	15.56 *	15.54 *	15.50 *	15.46 *	19.21 *
33	6.21 *	12.43 *	12.45 *	12.49 *	12.52 *	12.53 *	12.54 *	12.55 *	12.55 *	15.66 *
29	5.07 *	10.16 *	10.18 *	10.20 *	10.21 *	10.22 *	10.23 *	10.24 *	10.25 *	12.81 *
25.5	4.15 *	8.32 *	8.34 *	8.35 *	8.36 *	8.36 *	8.36 *	8.36 *	8.36 *	10.44 *
22.5	4.02 *	8.04 *	8.06 *	8.07 *	8.08 *	8.07 *	8.06 *	8.06 *	8.05 *	10.04 *
19.5	3.26 *	6.53 *	6.53 *	6.54 *	6.55 *	6.55 *	6.53 *	6.52 *	6.51 *	8.12 *
17	2.56 *	5.12 *	5.12 *	5.13 *	5.14 *	5.13 *	5.12 *	5.11 *	5.10 *	6.35 *
15	2.52 *	5.04 *	5.04 *	5.05 *	5.06 *	5.05 *	5.04 *	5.02 *	5.01 *	6.24 *
13	2.48 *	4.97 *	4.97 *	4.97 *	4.98 *	4.98 *	4.96 *	4.95 *	4.93 *	6.15 *
11	2.45 *	4.90 *	4.90 *	4.90 *	4.91 *	4.91 *	4.90 *	4.88 *	4.87 *	6.06 *
9	2.42 *	4.83 *	4.83 *	4.84 *	4.85 *	4.85 *	4.84 *	4.82 *	4.81 *	5.99 *
7	2.39 *	4.78 *	4.78 *	4.79 *	4.80 *	4.80 *	4.79 *	4.77 *	4.76 *	5.93 *
5	2.37 *	4.73 *	4.74 *	4.75 *	4.76 *	4.76 *	4.75 *	4.73 *	4.72 *	5.88 *
3	2.36 *	4.71 *	4.71 *	4.72 *	4.73 *	4.73 *	4.72 *	4.71 *	4.70 *	5.85 *
1	1.18 *	2.35 *	2.35 *	2.36 *	2.36 *	2.36 *	2.36 *	2.35 *	2.34 *	2.92 *
0	1.18 *	2.35 *	2.35 *	2.36 *	2.36 *	2.36 *	2.36 *	2.35 *	2.34 *	2.92 *
-1	2.37 *	4.73 *	4.72 *	4.73 *	4.73 *	4.73 *	4.72 *	4.71 *	4.69 *	5.84 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	2.38 *	4.76 *	4.75 *	4.75 *	4.75 *	4.75 *	4.73 *	4.72 *	4.70 *	5.85 *
-5	2.40 *	4.79 *	4.79 *	4.79 *	4.78 *	4.78 *	4.76 *	4.74 *	4.72 *	5.87 *
-7	2.41 *	4.83 *	4.83 *	4.82 *	4.82 *	4.81 *	4.79 *	4.77 *	4.75 *	5.91 *
-9	2.43 *	4.86 *	4.86 *	4.86 *	4.86 *	4.85 *	4.83 *	4.80 *	4.78 *	5.95 *
-11	2.45 *	4.90 *	4.90 *	4.90 *	4.90 *	4.89 *	4.86 *	4.84 *	4.82 *	5.98 *
-13	2.46 *	4.92 *	4.93 *	4.93 *	4.93 *	4.91 *	4.89 *	4.87 *	4.84 *	6.01 *
-15	2.46 *	4.93 *	4.94 *	4.93 *	4.92 *	4.92 *	4.89 *	4.87 *	4.85 *	6.01 *
-17	3.03 *	6.07 *	6.06 *	6.07 *	6.08 *	6.07 *	6.04 *	6.02 *	6.00 *	7.44 *
-19.5	3.58 *	7.16 *	7.16 *	7.18 *	7.21 *	7.20 *	7.17 *	7.15 *	7.13 *	8.84 *
-22.5	3.57 *	7.15 *	7.16 *	7.16 *	7.16 *	7.17 *	7.16 *	7.12 *	7.09 *	8.79 *
-25.5	4.13 *	8.27 *	8.27 *	8.27 *	8.27 *	8.29 *	8.27 *	8.24 *	8.19 *	10.16 *
-29	4.70 *	9.42 *	9.46 *	9.47 *	9.46 *	9.43 *	9.39 *	9.35 *	9.28 *	11.48 *
-33	5.40 *	10.84 *	10.87 *	10.87 *	10.86 *	10.80 *	10.72 *	10.63 *	10.51 *	12.91 *
-37.5	6.36 *	12.73 *	12.73 *	12.71 *	12.67 *	12.59 *	12.44 *	12.25 *	12.03 *	14.68 *
-42.5	6.48 *	12.97 *	12.97 *	12.94 *	12.90 *	12.82 *	12.65 *	12.39 *	12.07 *	14.59 *
-47.5	8.86 *	17.74 *	17.73 *	17.66 *	17.55 *	17.40 *	17.14 *	16.74 *	16.23 *	19.41 *
-55	8.91 *	17.82 *	17.74 *	17.45 *	17.00 *	16.53 *	16.03 *	15.50 *	14.93 *	17.72 *
-65	3.64 *	7.25 *	7.15 *	6.92 *	6.62 *	6.32 *	6.01 *	5.73 *	5.49 *	6.49 *
-75	0.45	0.83	0.74	0.72	0.76	0.79	0.82	0.85	0.85	1.05
-85	0.12	0.23	0.21	0.20	0.22	0.24	0.25	0.26	0.26	0.32
-90										
Total	231.24	462.29	461.40	459.30	456.34	452.82	448.14	442.34	435.62	533.57

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	2.31	2.18	2.29	2.23	1.99	1.56	1.04	1.01	0.71	0.23
85	27.06 *	25.36 *	27.20 *	27.80 *	26.47 *	22.86 *	16.16 *	13.17 *	5.73	1.24
75	55.71 *	52.58 *	56.51 *	58.43 *	57.59 *	53.16 *	41.36 *	38.41 *	18.66 *	3.25
65	65.55 *	62.37 *	67.63 *	70.95 *	71.94 *	70.14 *	59.29 *	64.70 *	40.23 *	8.43
55	47.49 *	45.35 *	50.04 *	53.47 *	55.29 *	55.38 *	48.81 *	58.65 *	42.71 *	10.71 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5										
	30.00 *	28.81 *	32.10 *	34.53 *	36.05 *	36.47 *	32.67 *	40.84 *	32.22 *	9.12 *
42.5										
	27.69 *	26.88 *	30.22 *	32.78 *	34.45 *	35.13 *	31.76 *	40.50 *	33.95 *	10.51 *
37.5										
	22.79 *	22.38 *	25.45 *	27.96 *	29.62 *	30.40 *	27.69 *	35.70 *	31.26 *	10.31 *
33										
	18.69 *	18.47 *	21.16 *	23.53 *	25.22 *	26.12 *	23.93 *	31.13 *	28.04 *	9.63 *
29										
	15.32 *	15.19 *	17.48 *	19.58 *	21.23 *	22.20 *	20.42 *	26.74 *	24.65 *	8.74 *
25.5										
	12.50 *	12.42 *	14.33 *	16.10 *	17.57 *	18.50 *	17.13 *	22.55 *	21.09 *	7.64 *
22.5										
	12.02 *	11.94 *	13.79 *	15.54 *	17.03 *	18.05 *	16.80 *	22.21 *	20.95 *	7.67 *
19.5										
	9.70 *	9.63 *	11.12 *	12.56 *	13.82 *	14.73 *	13.74 *	18.22 *	17.34 *	6.41 *
17										
	7.59 *	7.53 *	8.69 *	9.82 *	10.83 *	11.58 *	10.84 *	14.41 *	13.78 *	5.13 *
15										
	7.45 *	7.39 *	8.53 *	9.64 *	10.64 *	11.41 *	10.72 *	14.29 *	13.68 *	5.12 *
13										
	7.33 *	7.27 *	8.39 *	9.48 *	10.47 *	11.26 *	10.61 *	14.16 *	13.58 *	5.09 *
11										
	7.23 *	7.17 *	8.27 *	9.34 *	10.33 *	11.13 *	10.50 *	14.02 *	13.47 *	5.07 *
9										
	7.14 *	7.08 *	8.16 *	9.22 *	10.20 *	11.00 *	10.38 *	13.88 *	13.37 *	5.03 *
7										
	7.07 *	7.01 *	8.08 *	9.12 *	10.08 *	10.88 *	10.26 *	13.74 *	13.26 *	4.99 *
5										
	7.01 *	6.95 *	8.01 *	9.03 *	9.98 *	10.76 *	10.16 *	13.61 *	13.14 *	4.94 *
3										
	6.98 *	6.92 *	7.96 *	8.97 *	9.91 *	10.67 *	10.08 *	13.48 *	13.01 *	4.87 *
1										
	3.48 *	3.45 *	3.97 *	4.47 *	4.93 *	5.31 *	5.01 *	6.70 *	6.44 *	2.40 *
0										
	3.48 *	3.45 *	3.97 *	4.47 *	4.92 *	5.29 *	4.99 *	6.67 *	6.41 *	2.38 *
-1										
	6.96 *	6.89 *	7.93 *	8.92 *	9.82 *	10.55 *	9.94 *	13.27 *	12.72 *	4.71 *
-3										
	6.97 *	6.90 *	7.93 *	8.92 *	9.80 *	10.50 *	9.88 *	13.17 *	12.56 *	4.62 *
-5										
	6.99 *	6.92 *	7.95 *	8.93 *	9.80 *	10.48 *	9.83 *	13.07 *	12.39 *	4.51 *
-7										
	7.03 *	6.94 *	7.97 *	8.95 *	9.81 *	10.46 *	9.77 *	12.95 *	12.19 *	4.38 *
-9										
	7.07 *	6.97 *	8.00 *	8.97 *	9.82 *	10.44 *	9.70 *	12.81 *	11.97 *	4.26 *
-11										
	7.11 *	7.01 *	8.04 *	8.98 *	9.81 *	10.41 *	9.63 *	12.65 *	11.73 *	4.12 *
-13										
	7.14 *	7.03 *	8.06 *	8.99 *	9.77 *	10.35 *	9.55 *	12.48 *	11.46 *	3.97 *
-15										
	7.15 *	7.02 *	8.03 *	8.94 *	9.69 *	10.23 *	9.43 *	12.29 *	11.18 *	3.82 *
-17										
	8.85 *	8.69 *	9.91 *	11.06 *	11.96 *	12.55 *	11.55 *	15.06 *	13.54 *	4.54 *
-19.5										
	10.50 *	10.31 *	11.77 *	13.10 *	14.09 *	14.65 *	13.46 *	17.56 *	15.54 *	5.09 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	10.44 *	10.25 *	11.66 *	12.86 *	13.76 *	14.21 *	13.01 *	16.95 *	14.73 *	4.70 *
-25.5	12.05 *	11.78 *	13.36 *	14.66 *	15.58 *	16.07 *	14.61 *	18.88 *	16.02 *	4.90 *
-29	13.52 *	13.17 *	14.87 *	16.22 *	17.12 *	17.59 *	15.92 *	20.32 *	16.57 *	4.74 *
-33	15.07 *	14.61 *	16.34 *	17.66 *	18.56 *	18.88 *	17.02 *	21.34 *	16.30 *	4.29 *
-37.5	17.01 *	16.28 *	18.04 *	19.32 *	20.01 *	20.09 *	17.89 *	21.56 *	15.02 *	3.56
-42.5	16.75 *	15.95 *	17.52 *	18.48 *	18.94 *	18.81 *	16.30 *	18.39 *	11.47 *	2.39
-47.5	22.09 *	20.94 *	22.72 *	23.71 *	24.16 *	23.49 *	19.26 *	19.42 *	10.54 *	2.02
-55	19.85 *	18.51 *	19.56 *	19.64 *	18.94 *	16.94 *	12.48 *	10.87	5.23	1.17
-65	7.18	6.58	6.75	6.35	5.58	4.32	2.70	2.28	1.45	0.63
-75	1.22	1.16	1.30	1.42	1.50	1.54	1.35	1.65	1.37	0.57
-85	0.36	0.34	0.37	0.39	0.40	0.41	0.37	0.44	0.36	0.13
-90										
Total	622.90	602.01	671.43	725.49	759.48	766.99	678.01	826.20	671.99	212.04

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.03	0.00		32.11
85				
	0.23	0.01		398.13
75				
	0.41	0.01		856.99
65				
	0.67	0.02		1065.87
55				
	0.76	0.01		810.68
47.5				
	0.70	0.01		524.68
42.5				
	0.88	0.01		494.06
37.5				
	0.90	0.01		415.71
33				
	0.88	0.01		348.74
29				
	0.83	0.01		291.94
25.5				
	0.74	0.01		241.98
22.5				
	0.76	0.01		235.30
19.5				
	0.64	0.01		191.56
17				
	0.52	0.00		150.60

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

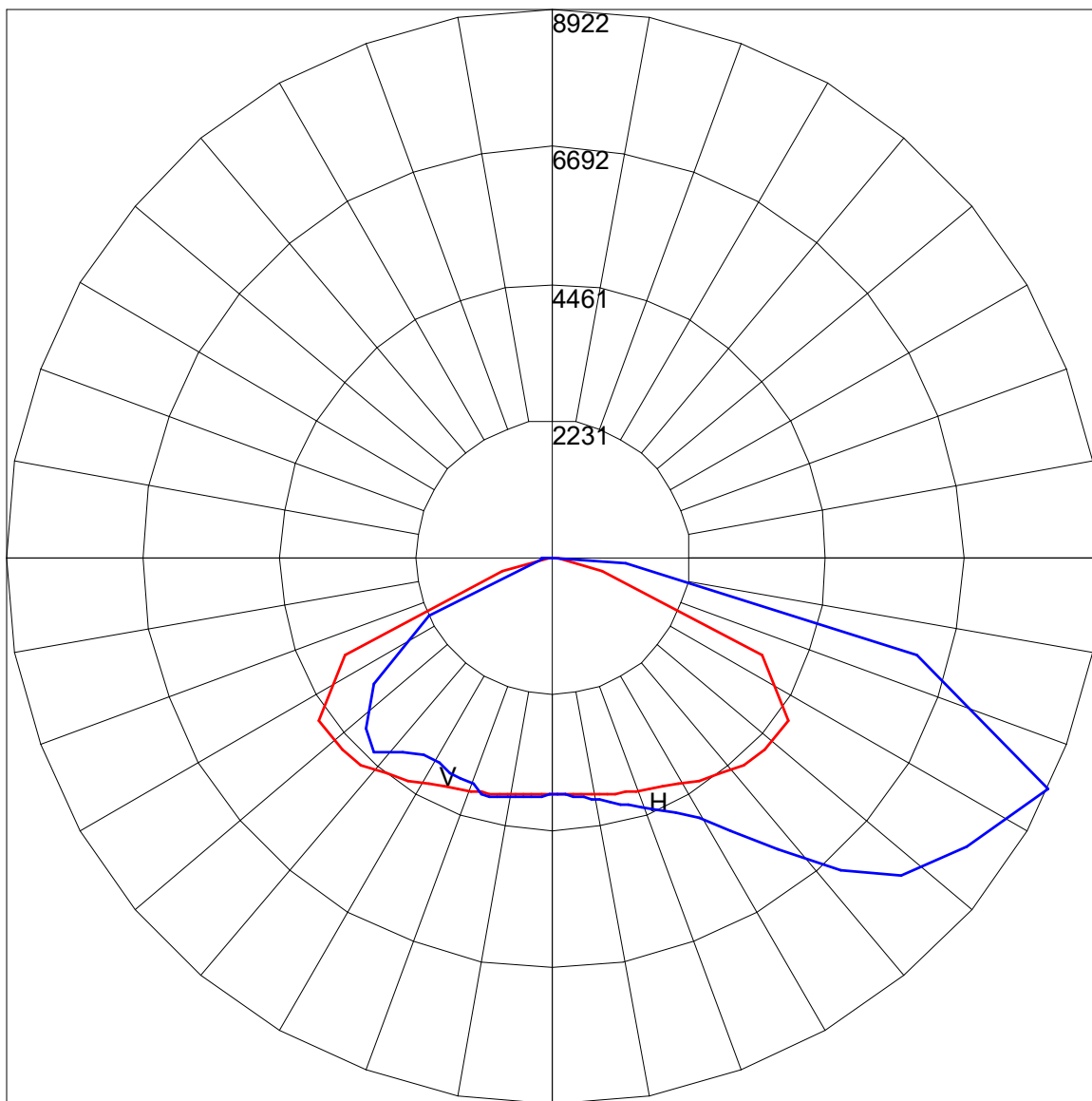
15	0.52	0.00	148.48
13	0.52	0.00	146.52
11	0.52	0.00	144.73
9	0.52	0.00	143.07
7	0.51	0.00	141.57
5	0.51	0.00	140.28
3	0.49	0.00	139.27
1	0.24	0.00	69.35
0	0.24	0.00	69.22
-1	0.47	0.00	138.15
-3	0.45	0.00	137.88
-5	0.44	0.00	137.71
-7	0.42	0.00	137.61
-9	0.40	0.00	137.50
-11	0.38	0.00	137.29
-13	0.36	0.00	136.85
-15	0.34	0.00	135.85
-17	0.39	0.00	166.98
-19.5	0.43	0.01	196.29
-22.5	0.39	0.01	192.48
-25.5	0.40	0.01	218.68
-29	0.37	0.01	241.86
-33	0.34	0.01	264.84
-37.5	0.30	0.01	290.28
-42.5	0.23	0.01	278.03
-47.5	0.26	0.01	355.07
-55	0.25	0.01	303.07
-65	0.19	0.01	105.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

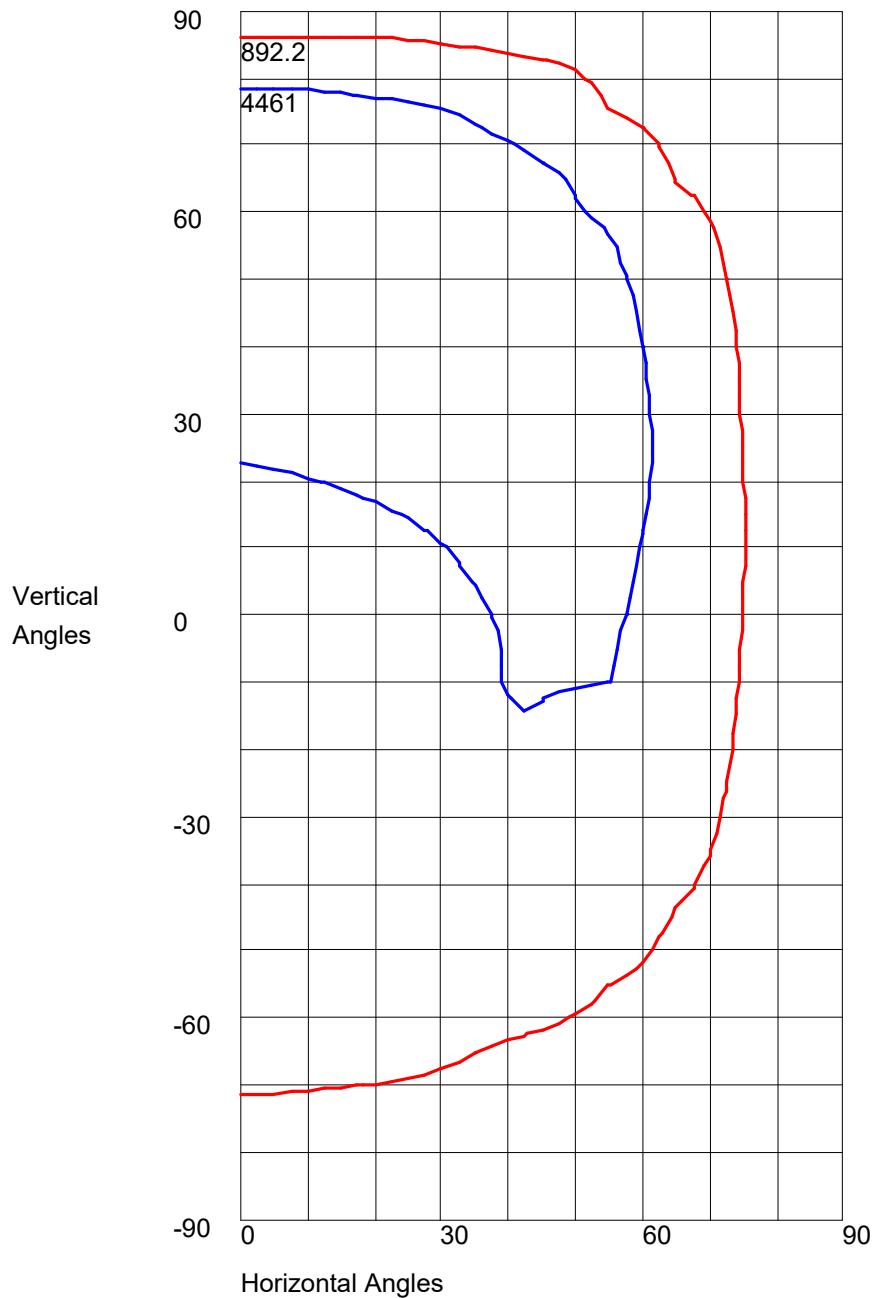
-75	0.13	0.00	21.06
-85	0.02	0.00	5.92
-90			
Total	19.98	0.27	10939.87

AXIAL CANDELA DISPLAY



Maximum Candela = 8922 Located At Horizontal Angle = -3, Vertical Angle = 65
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 8922 Located At Horizontal Angle = -3, Vertical Angle = 65
50% Maximum Candela = 4461
10% Maximum Candela = 892.2