



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12561
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 03/02/21
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-VWF-40-80-FGS
[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	5218
Maximum Candela Angle	0H -47.5V
Horizontal Beam Angle (50%)	88.8
Vertical Beam Angle (50%)	134.9
Horizontal Field Angle (10%)	117.4
Vertical Field Angle (10%)	148.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13090
Beam Efficiency	N.A.
Field Lumens	14781
Field Efficiency	N.A.
Spill Lumens	301
Luminaire Lumens	15082
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	26	85	162
75	160	75	233
65	456	65	3387
55	3497	55	4726
47.5	3592	47.5	5218
42.5	3961	42.5	4779
37.5	3973	37.5	4367
33	3935	33	4358
29	3906	29	4249
25.5	3915	25.5	4233
22.5	3948	22.5	4180
19.5	3961	19.5	4279
17	3961	17	4225
15	4035	15	4175
13	4025	13	4122
11	4003	11	4073
9	3973	9	4027
7	3942	7	3986
5	3911	5	3951
3	3884	3	3925
1	3884	1	3900
0	3888	0	3888
-1	3884	-1	3900
-3	3884	-3	3925
-5	3911	-5	3951
-7	3942	-7	3986
-9	3973	-9	4027
-11	4003	-11	4073
-13	4025	-13	4122
-15	4035	-15	4175
-17	3961	-17	4225
-19.5	3961	-19.5	4279
-22.5	3948	-22.5	4180
-25.5	3915	-25.5	4233
-29	3906	-29	4249
-33	3935	-33	4358
-37.5	3973	-37.5	4367
-42.5	3961	-42.5	4779
-47.5	3592	-47.5	5218
-55	3497	-55	4726
-65	456	-65	3387
-75	160	-75	233
-85	26	-85	162
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 5218

Beam Edge = 2609 Cd (50% of Max.)

Field Edge = 521.8 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	1	1	1
85.0	0	3	14	62	128	170	192	197	201	202
75.0	0	8	27	52	92	109	126	134	139	159
65.0	0	13	38	79	139	226	458	935 *	1429 *	1802 *
55.0	0	16	59	138	283	1195 *	1959 *	2559 *	2892 *	3131 *
47.5	0	19	76	191	715 *	2204 *	2862 *	3159 *	3479 *	3785 *
42.5	0	20	90	228	1361 *	2668 *	3041 *	3321 *	3539 *	3831 *
37.5	0	21	103	264	1904 *	2963 *	3189 *	3420 *	3668 *	3868 *
33.0	0	22	114	285	2268 *	3256 *	3342 *	3640 *	3870 *	3974 *
29.0	0	23	124	299	2584 *	3391 *	3507 *	3835 *	3944 *	4150 *
25.5	0	24	132	310	2815 *	3490 *	3695 *	3946 *	4060 *	4177 *
22.5	0	24	138	408	3000 *	3571 *	3820 *	4012 *	4136 *	4199 *
19.5	0	25	144	493	3137 *	3620 *	3883 *	4059 *	4177 *	4193 *
17.0	0	25	148	544 *	3216 *	3664 *	3912 *	4072 *	4173 *	4157 *
15.0	0	25	150	572 *	3275 *	3693 *	3927 *	4073 *	4141 *	4111 *
13.0	0	25	153	590 *	3328 *	3704 *	3935 *	4059 *	4105 *	4090 *
11.0	0	26	155	598 *	3376 *	3700 *	3940 *	4033 *	4061 *	4052 *
9.0	0	26	157	589 *	3419 *	3683 *	3945 *	4008 *	4020 *	4001 *
7.0	0	26	158	570 *	3454 *	3656 *	3949 *	3992 *	3988 *	3963 *
5.0	0	26	160	544 *	3475 *	3627 *	3951 *	3980 *	3964 *	3939 *
3.0	0	26	160	514	3497 *	3611 *	3964 *	3976 *	3945 *	3916 *
1.0	0	26	160	475	3497 *	3598 *	3962 *	3975 *	3939 *	3910 *
0.0	0	26	160	456	3497 *	3592 *	3961 *	3973 *	3935 *	3906 *
-1.0	0	26	160	475	3497 *	3598 *	3962 *	3975 *	3939 *	3910 *
-3.0	0	26	160	514	3497 *	3611 *	3964 *	3976 *	3945 *	3916 *
-5.0	0	26	160	544 *	3475 *	3627 *	3951 *	3980 *	3964 *	3939 *
-7.0	0	26	158	570 *	3454 *	3656 *	3949 *	3992 *	3988 *	3963 *
-9.0	0	26	157	589 *	3419 *	3683 *	3945 *	4008 *	4020 *	4001 *
-11.0	0	26	155	598 *	3376 *	3700 *	3940 *	4033 *	4061 *	4052 *
-13.0	0	25	153	590 *	3328 *	3704 *	3935 *	4059 *	4105 *	4090 *
-15.0	0	25	150	572 *	3275 *	3693 *	3927 *	4073 *	4141 *	4111 *
-17.0	0	25	148	544 *	3216 *	3664 *	3912 *	4072 *	4173 *	4157 *
-19.5	0	25	144	493	3137 *	3620 *	3883 *	4059 *	4177 *	4193 *
-22.5	0	24	138	408	3000 *	3571 *	3820 *	4012 *	4136 *	4199 *
-25.5	0	24	132	310	2815 *	3490 *	3695 *	3946 *	4060 *	4177 *
-29.0	0	23	124	299	2584 *	3391 *	3507 *	3835 *	3944 *	4150 *
-33.0	0	22	114	285	2268 *	3256 *	3342 *	3640 *	3870 *	3974 *
-37.5	0	21	103	264	1904 *	2963 *	3189 *	3420 *	3668 *	3868 *
-42.5	0	20	90	228	1361 *	2668 *	3041 *	3321 *	3539 *	3831 *
-47.5	0	19	76	191	715 *	2204 *	2862 *	3159 *	3479 *	3785 *
-55.0	0	16	59	138	283	1195 *	1959 *	2559 *	2892 *	3131 *
-65.0	0	13	38	79	139	226	458	935 *	1429 *	1802 *
-75.0	0	8	27	52	92	109	126	134	139	159
-85.0	0	3	14	62	128	170	192	197	201	202
-90.0	0	0	0	0	0	0	0	1	1	1

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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	202	197	191	185	181	175	169	163	157	151
75.0	173	186	199	209	216	220	223	226	229	232
65.0	2058 *	2232 *	2448 *	2625 *	2763 *	2892 *	3001 *	3095 *	3175 *	3241 *
55.0	3400 *	3649 *	3882 *	4044 *	4176 *	4311 *	4412 *	4496 *	4578 *	4655 *
47.5	4078 *	4248 *	4457 *	4641 *	4772 *	4901 *	5021 *	5058 *	5105 *	5157 *
42.5	3956 *	4156 *	4352 *	4470 *	4544 *	4615 *	4687 *	4722 *	4739 *	4761 *
37.5	4028 *	4125 *	4207 *	4251 *	4291 *	4385 *	4441 *	4464 *	4442 *	4411 *
33.0	4130 *	4193 *	4299 *	4377 *	4410 *	4427 *	4449 *	4452 *	4427 *	4396 *
29.0	4155 *	4234 *	4290 *	4342 *	4365 *	4391 *	4397 *	4394 *	4371 *	4317 *
25.5	4215 *	4241 *	4287 *	4291 *	4327 *	4356 *	4357 *	4335 *	4303 *	4272 *
22.5	4222 *	4242 *	4283 *	4312 *	4327 *	4338 *	4330 *	4327 *	4305 *	4275 *
19.5	4232 *	4254 *	4304 *	4311 *	4335 *	4377 *	4387 *	4370 *	4332 *	4312 *
17.0	4205 *	4230 *	4257 *	4276 *	4309 *	4332 *	4335 *	4311 *	4286 *	4260 *
15.0	4168 *	4183 *	4218 *	4230 *	4263 *	4284 *	4280 *	4259 *	4236 *	4210 *
13.0	4115 *	4130 *	4164 *	4176 *	4208 *	4237 *	4228 *	4207 *	4182 *	4158 *
11.0	4071 *	4074 *	4125 *	4123 *	4164 *	4187 *	4178 *	4153 *	4129 *	4107 *
9.0	4033 *	4041 *	4078 *	4084 *	4127 *	4143 *	4130 *	4105 *	4079 *	4056 *
7.0	3990 *	4014 *	4037 *	4047 *	4087 *	4110 *	4089 *	4062 *	4034 *	4011 *
5.0	3961 *	3996 *	4005 *	3996 *	4060 *	4075 *	4055 *	4026 *	3997 *	3969 *
3.0	3935 *	3974 *	3982 *	3976 *	4050 *	4048 *	4025 *	3997 *	3968 *	3940 *
1.0	3920 *	3955 *	3965 *	3965 *	4041 *	4030 *	4007 *	3978 *	3947 *	3916 *
0.0	3915 *	3948 *	3961 *	3961 *	4035 *	4025 *	4003 *	3973 *	3942 *	3911 *
-1.0	3920 *	3955 *	3965 *	3965 *	4041 *	4030 *	4007 *	3978 *	3947 *	3916 *
-3.0	3935 *	3974 *	3982 *	3976 *	4050 *	4048 *	4025 *	3997 *	3968 *	3940 *
-5.0	3961 *	3996 *	4005 *	3996 *	4060 *	4075 *	4055 *	4026 *	3997 *	3969 *
-7.0	3990 *	4014 *	4037 *	4047 *	4087 *	4110 *	4089 *	4062 *	4034 *	4011 *
-9.0	4033 *	4041 *	4078 *	4084 *	4127 *	4143 *	4130 *	4105 *	4079 *	4056 *
-11.0	4071 *	4074 *	4125 *	4123 *	4164 *	4187 *	4178 *	4153 *	4129 *	4107 *
-13.0	4115 *	4130 *	4164 *	4176 *	4208 *	4237 *	4228 *	4207 *	4182 *	4158 *
-15.0	4168 *	4183 *	4218 *	4230 *	4263 *	4284 *	4280 *	4259 *	4236 *	4210 *
-17.0	4205 *	4230 *	4257 *	4276 *	4309 *	4332 *	4335 *	4311 *	4286 *	4260 *
-19.5	4232 *	4254 *	4304 *	4311 *	4335 *	4377 *	4387 *	4370 *	4332 *	4312 *
-22.5	4222 *	4242 *	4283 *	4312 *	4327 *	4338 *	4330 *	4327 *	4305 *	4275 *
-25.5	4215 *	4241 *	4287 *	4291 *	4327 *	4356 *	4357 *	4335 *	4303 *	4272 *
-29.0	4155 *	4234 *	4290 *	4342 *	4365 *	4391 *	4397 *	4394 *	4371 *	4317 *
-33.0	4130 *	4193 *	4299 *	4377 *	4410 *	4427 *	4449 *	4452 *	4427 *	4396 *
-37.5	4028 *	4125 *	4207 *	4251 *	4291 *	4385 *	4441 *	4464 *	4442 *	4411 *
-42.5	3956 *	4156 *	4352 *	4470 *	4544 *	4615 *	4687 *	4722 *	4739 *	4761 *
-47.5	4078 *	4248 *	4457 *	4641 *	4772 *	4901 *	5021 *	5058 *	5105 *	5157 *
-55.0	3400 *	3649 *	3882 *	4044 *	4176 *	4311 *	4412 *	4496 *	4578 *	4655 *
-65.0	2058 *	2232 *	2448 *	2625 *	2763 *	2892 *	3001 *	3095 *	3175 *	3241 *
-75.0	173	186	199	209	216	220	223	226	229	232
-85.0	202	197	191	185	181	175	169	163	157	151
-90.0	1	1	1	1	1	1	1	1	1	1

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	155	160	162	160	155	151	157	163	169	175
75.0	232	233	233	233	232	232	229	226	223	220
65.0	3320 *	3365 *	3387 *	3365 *	3320 *	3241 *	3175 *	3095 *	3001 *	2892 *

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CANDELA TABULATION - (Cont.)

55.0	4711 *	4721 *	4726 *	4721 *	4711 *	4655 *	4578 *	4496 *	4412 *	4311 *
47.5	5203 *	5213 *	5218 *	5213 *	5203 *	5157 *	5105 *	5058 *	5021 *	4901 *
42.5	4774 *	4777 *	4779 *	4777 *	4774 *	4761 *	4739 *	4722 *	4687 *	4615 *
37.5	4376 *	4367 *	4367 *	4367 *	4376 *	4411 *	4442 *	4464 *	4441 *	4385 *
33.0	4371 *	4360 *	4358 *	4360 *	4371 *	4396 *	4427 *	4452 *	4449 *	4427 *
29.0	4273 *	4255 *	4249 *	4255 *	4273 *	4317 *	4371 *	4394 *	4397 *	4391 *
25.5	4248 *	4235 *	4233 *	4235 *	4248 *	4272 *	4303 *	4335 *	4357 *	4356 *
22.5	4233 *	4194 *	4180 *	4194 *	4233 *	4275 *	4305 *	4327 *	4330 *	4338 *
19.5	4293 *	4280 *	4279 *	4280 *	4293 *	4312 *	4332 *	4370 *	4387 *	4377 *
17.0	4241 *	4228 *	4225 *	4228 *	4241 *	4260 *	4286 *	4311 *	4335 *	4332 *
15.0	4189 *	4176 *	4175 *	4176 *	4189 *	4210 *	4236 *	4259 *	4280 *	4284 *
13.0	4135 *	4123 *	4122 *	4123 *	4135 *	4158 *	4182 *	4207 *	4228 *	4237 *
11.0	4082 *	4072 *	4073 *	4072 *	4082 *	4107 *	4129 *	4153 *	4178 *	4187 *
9.0	4035 *	4025 *	4027 *	4025 *	4035 *	4056 *	4079 *	4105 *	4130 *	4143 *
7.0	3994 *	3982 *	3986 *	3982 *	3994 *	4011 *	4034 *	4062 *	4089 *	4110 *
5.0	3953 *	3943 *	3951 *	3943 *	3953 *	3969 *	3997 *	4026 *	4055 *	4075 *
3.0	3919 *	3917 *	3925 *	3917 *	3919 *	3940 *	3968 *	3997 *	4025 *	4048 *
1.0	3895 *	3892 *	3900 *	3892 *	3895 *	3916 *	3947 *	3978 *	4007 *	4030 *
0.0	3884 *	3884 *	3888 *	3884 *	3884 *	3911 *	3942 *	3973 *	4003 *	4025 *
-1.0	3895 *	3892 *	3900 *	3892 *	3895 *	3916 *	3947 *	3978 *	4007 *	4030 *
-3.0	3919 *	3917 *	3925 *	3917 *	3919 *	3940 *	3968 *	3997 *	4025 *	4048 *
-5.0	3953 *	3943 *	3951 *	3943 *	3953 *	3969 *	3997 *	4026 *	4055 *	4075 *
-7.0	3994 *	3982 *	3986 *	3982 *	3994 *	4011 *	4034 *	4062 *	4089 *	4110 *
-9.0	4035 *	4025 *	4027 *	4025 *	4035 *	4056 *	4079 *	4105 *	4130 *	4143 *
-11.0	4082 *	4072 *	4073 *	4072 *	4082 *	4107 *	4129 *	4153 *	4178 *	4187 *
-13.0	4135 *	4123 *	4122 *	4123 *	4135 *	4158 *	4182 *	4207 *	4228 *	4237 *
-15.0	4189 *	4176 *	4175 *	4176 *	4189 *	4210 *	4236 *	4259 *	4280 *	4284 *
-17.0	4241 *	4228 *	4225 *	4228 *	4241 *	4260 *	4286 *	4311 *	4335 *	4332 *
-19.5	4293 *	4280 *	4279 *	4280 *	4293 *	4312 *	4332 *	4370 *	4387 *	4377 *
-22.5	4233 *	4194 *	4180 *	4194 *	4233 *	4275 *	4305 *	4327 *	4330 *	4338 *
-25.5	4248 *	4235 *	4233 *	4235 *	4248 *	4272 *	4303 *	4335 *	4357 *	4356 *
-29.0	4273 *	4255 *	4249 *	4255 *	4273 *	4317 *	4371 *	4394 *	4397 *	4391 *
-33.0	4371 *	4360 *	4358 *	4360 *	4371 *	4396 *	4427 *	4452 *	4449 *	4427 *
-37.5	4376 *	4367 *	4367 *	4367 *	4376 *	4411 *	4442 *	4464 *	4441 *	4385 *
-42.5	4774 *	4777 *	4779 *	4777 *	4774 *	4761 *	4739 *	4722 *	4687 *	4615 *
-47.5	5203 *	5213 *	5218 *	5213 *	5203 *	5157 *	5105 *	5058 *	5021 *	4901 *
-55.0	4711 *	4721 *	4726 *	4721 *	4711 *	4655 *	4578 *	4496 *	4412 *	4311 *
-65.0	3320 *	3365 *	3387 *	3365 *	3320 *	3241 *	3175 *	3095 *	3001 *	2892 *
-75.0	232	233	233	233	232	232	229	226	223	220
-85.0	155	160	162	160	155	151	157	163	169	175
-90.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles 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	0	0
85.0	181	185	191	197	202	202	201	197	192	170
75.0	216	209	199	186	173	159	139	134	126	109
65.0	2763 *	2625 *	2448 *	2232 *	2058 *	1802 *	1429 *	935 *	458	226
55.0	4176 *	4044 *	3882 *	3649 *	3400 *	3131 *	2892 *	2559 *	1959 *	1195 *
47.5	4772 *	4641 *	4457 *	4248 *	4078 *	3785 *	3479 *	3159 *	2862 *	2204 *
42.5	4544 *	4470 *	4352 *	4156 *	3956 *	3831 *	3539 *	3321 *	3041 *	2668 *
37.5	4291 *	4251 *	4207 *	4125 *	4028 *	3868 *	3668 *	3420 *	3189 *	2963 *
33.0	4410 *	4377 *	4299 *	4193 *	4130 *	3974 *	3870 *	3640 *	3342 *	3256 *
29.0	4365 *	4342 *	4290 *	4234 *	4155 *	4150 *	3944 *	3835 *	3507 *	3391 *
25.5	4327 *	4291 *	4287 *	4241 *	4215 *	4177 *	4060 *	3946 *	3695 *	3490 *

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CANDELA TABULATION - (Cont.)

22.5	4327 *	4312 *	4283 *	4242 *	4222 *	4199 *	4136 *	4012 *	3820 *	3571 *
19.5	4335 *	4311 *	4304 *	4254 *	4232 *	4193 *	4177 *	4059 *	3883 *	3620 *
17.0	4309 *	4276 *	4257 *	4230 *	4205 *	4157 *	4173 *	4072 *	3912 *	3664 *
15.0	4263 *	4230 *	4218 *	4183 *	4168 *	4111 *	4141 *	4073 *	3927 *	3693 *
13.0	4208 *	4176 *	4164 *	4130 *	4115 *	4090 *	4105 *	4059 *	3935 *	3704 *
11.0	4164 *	4123 *	4125 *	4074 *	4071 *	4052 *	4061 *	4033 *	3940 *	3700 *
9.0	4127 *	4084 *	4078 *	4041 *	4033 *	4001 *	4020 *	4008 *	3945 *	3683 *
7.0	4087 *	4047 *	4037 *	4014 *	3990 *	3963 *	3988 *	3992 *	3949 *	3656 *
5.0	4060 *	3996 *	4005 *	3996 *	3961 *	3939 *	3964 *	3980 *	3951 *	3627 *
3.0	4050 *	3976 *	3982 *	3974 *	3935 *	3916 *	3945 *	3976 *	3964 *	3611 *
1.0	4041 *	3965 *	3965 *	3955 *	3920 *	3910 *	3939 *	3975 *	3962 *	3598 *
0.0	4035 *	3961 *	3961 *	3948 *	3915 *	3906 *	3935 *	3973 *	3961 *	3592 *
-1.0	4041 *	3965 *	3965 *	3955 *	3920 *	3910 *	3939 *	3975 *	3962 *	3598 *
-3.0	4050 *	3976 *	3982 *	3974 *	3935 *	3916 *	3945 *	3976 *	3964 *	3611 *
-5.0	4060 *	3996 *	4005 *	3996 *	3961 *	3939 *	3964 *	3980 *	3951 *	3627 *
-7.0	4087 *	4047 *	4037 *	4014 *	3990 *	3963 *	3988 *	3992 *	3949 *	3656 *
-9.0	4127 *	4084 *	4078 *	4041 *	4033 *	4001 *	4020 *	4008 *	3945 *	3683 *
-11.0	4164 *	4123 *	4125 *	4074 *	4071 *	4052 *	4061 *	4033 *	3940 *	3700 *
-13.0	4208 *	4176 *	4164 *	4130 *	4115 *	4090 *	4105 *	4059 *	3935 *	3704 *
-15.0	4263 *	4230 *	4218 *	4183 *	4168 *	4111 *	4141 *	4073 *	3927 *	3693 *
-17.0	4309 *	4276 *	4257 *	4230 *	4205 *	4157 *	4173 *	4072 *	3912 *	3664 *
-19.5	4335 *	4311 *	4304 *	4254 *	4232 *	4193 *	4177 *	4059 *	3883 *	3620 *
-22.5	4327 *	4312 *	4283 *	4242 *	4222 *	4199 *	4136 *	4012 *	3820 *	3571 *
-25.5	4327 *	4291 *	4287 *	4241 *	4215 *	4177 *	4060 *	3946 *	3695 *	3490 *
-29.0	4365 *	4342 *	4290 *	4234 *	4155 *	4150 *	3944 *	3835 *	3507 *	3391 *
-33.0	4410 *	4377 *	4299 *	4193 *	4130 *	3974 *	3870 *	3640 *	3342 *	3256 *
-37.5	4291 *	4251 *	4207 *	4125 *	4028 *	3868 *	3668 *	3420 *	3189 *	2963 *
-42.5	4544 *	4470 *	4352 *	4156 *	3956 *	3831 *	3539 *	3321 *	3041 *	2668 *
-47.5	4772 *	4641 *	4457 *	4248 *	4078 *	3785 *	3479 *	3159 *	2862 *	2204 *
-55.0	4176 *	4044 *	3882 *	3649 *	3400 *	3131 *	2892 *	2559 *	1959 *	1195 *
-65.0	2763 *	2625 *	2448 *	2232 *	2058 *	1802 *	1429 *	935 *	458	226
-75.0	216	209	199	186	173	159	139	134	126	109
-85.0	181	185	191	197	202	202	201	197	192	170
-90.0	1	1	1	1	1	1	1	1	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	128	62	14	3	0
75.0	92	52	27	8	0
65.0	139	79	38	13	0
55.0	283	138	59	16	0
47.5	715 *	191	76	19	0
42.5	1361 *	228	90	20	0
37.5	1904 *	264	103	21	0
33.0	2268 *	285	114	22	0
29.0	2584 *	299	124	23	0
25.5	2815 *	310	132	24	0
22.5	3000 *	408	138	24	0
19.5	3137 *	493	144	25	0
17.0	3216 *	544 *	148	25	0
15.0	3275 *	572 *	150	25	0
13.0	3328 *	590 *	153	25	0
11.0	3376 *	598 *	155	26	0
9.0	3419 *	589 *	157	26	0

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

CANDELA TABULATION - (Cont.)

7.0	3454 *	570 *	158	26	0
5.0	3475 *	544 *	160	26	0
3.0	3497 *	514	160	26	0
1.0	3497 *	475	160	26	0
0.0	3497 *	456	160	26	0
-1.0	3497 *	475	160	26	0
-3.0	3497 *	514	160	26	0
-5.0	3475 *	544 *	160	26	0
-7.0	3454 *	570 *	158	26	0
-9.0	3419 *	589 *	157	26	0
-11.0	3376 *	598 *	155	26	0
-13.0	3328 *	590 *	153	25	0
-15.0	3275 *	572 *	150	25	0
-17.0	3216 *	544 *	148	25	0
-19.5	3137 *	493	144	25	0
-22.5	3000 *	408	138	24	0
-25.5	2815 *	310	132	24	0
-29.0	2584 *	299	124	23	0
-33.0	2268 *	285	114	22	0
-37.5	1904 *	264	103	21	0
-42.5	1361 *	228	90	20	0
-47.5	715 *	191	76	19	0
-55.0	283	138	59	16	0
-65.0	139	79	38	13	0
-75.0	92	52	27	8	0
-85.0	128	62	14	3	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7540.94

Total Field Lumens (one side of beam only) = 7390.54

* 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	0.12	0.24	0.23	0.23	0.24	0.25	0.26	0.26	0.27	0.34
75	0.60	1.19	1.17	1.16	1.17	1.17	1.17	1.17	1.16	1.42
65	5.50 *	10.88 *	10.67 *	10.42 *	10.14 *	9.82 *	9.44 *	9.00 *	8.51 *	9.91 *
55	12.34 *	24.53 *	24.20 *	23.70 *	23.14 *	22.50 *	21.77 *	20.90 *	19.92 *	23.50 *
47.5	11.35 *	22.66 *	22.48 *	22.15 *	21.76 *	21.36 *	20.83 *	20.13 *	19.36 *	23.08 *
42.5	7.61 *	15.20 *	15.11 *	14.97 *	14.80 *	14.61 *	14.32 *	13.91 *	13.49 *	16.20 *
37.5	6.96 *	13.92 *	13.92 *	13.90 *	13.85 *	13.73 *	13.50 *	13.18 *	12.85 *	15.62 *
33	5.98 *	11.97 *	12.00 *	12.05 *	12.07 *	12.02 *	11.87 *	11.65 *	11.42 *	13.94 *
29	5.25 *	10.51 *	10.55 *	10.61 *	10.64 *	10.61 *	10.53 *	10.40 *	10.24 *	12.52 *
25.5	4.52 *	9.06 *	9.10 *	9.15 *	9.19 *	9.18 *	9.13 *	9.02 *	8.88 *	10.89 *
22.5	3.85 *	7.72 *	7.76 *	7.80 *	7.81 *	7.81 *	7.77 *	7.69 *	7.58 *	9.31 *
19.5	3.87 *	7.76 *	7.80 *	7.83 *	7.84 *	7.84 *	7.79 *	7.70 *	7.59 *	9.33 *
17	3.24 *	6.48 *	6.50 *	6.51 *	6.52 *	6.53 *	6.49 *	6.41 *	6.31 *	7.75 *
15	2.56 *	5.12 *	5.14 *	5.15 *	5.16 *	5.16 *	5.13 *	5.08 *	5.00 *	6.14 *
13	2.53 *	5.06 *	5.07 *	5.09 *	5.09 *	5.09 *	5.07 *	5.02 *	4.94 *	6.07 *
11	2.50 *	5.00 *	5.01 *	5.02 *	5.03 *	5.03 *	5.01 *	4.96 *	4.88 *	6.00 *
9	2.47 *	4.94 *	4.95 *	4.96 *	4.97 *	4.97 *	4.96 *	4.91 *	4.83 *	5.93 *
7	2.44 *	4.88 *	4.89 *	4.90 *	4.91 *	4.92 *	4.91 *	4.87 *	4.79 *	5.87 *
5	2.42 *	4.83 *	4.84 *	4.85 *	4.86 *	4.87 *	4.87 *	4.83 *	4.74 *	5.82 *
3	2.40 *	4.79 *	4.80 *	4.81 *	4.82 *	4.83 *	4.83 *	4.80 *	4.71 *	5.77 *
1	2.38 *	4.76 *	4.76 *	4.78 *	4.79 *	4.80 *	4.80 *	4.78 *	4.69 *	5.74 *
0	1.19 *	2.37 *	2.37 *	2.38 *	2.39 *	2.39 *	2.39 *	2.38 *	2.34 *	2.87 *
-1	1.19 *	2.37 *	2.37 *	2.38 *	2.39 *	2.39 *	2.39 *	2.38 *	2.34 *	2.87 *
	2.38 *	4.76 *	4.76 *	4.78 *	4.79 *	4.80 *	4.80 *	4.78 *	4.69 *	5.74 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	2.40 *	4.79 *	4.80 *	4.81 *	4.82 *	4.83 *	4.83 *	4.80 *	4.71 *	5.77 *
-5	2.42 *	4.83 *	4.84 *	4.85 *	4.86 *	4.87 *	4.87 *	4.83 *	4.74 *	5.82 *
-7	2.44 *	4.88 *	4.89 *	4.90 *	4.91 *	4.92 *	4.91 *	4.87 *	4.79 *	5.87 *
-9	2.47 *	4.94 *	4.95 *	4.96 *	4.97 *	4.97 *	4.96 *	4.91 *	4.83 *	5.93 *
-11	2.50 *	5.00 *	5.01 *	5.02 *	5.03 *	5.03 *	5.01 *	4.96 *	4.88 *	6.00 *
-13	2.53 *	5.06 *	5.07 *	5.09 *	5.09 *	5.09 *	5.07 *	5.02 *	4.94 *	6.07 *
-15	2.56 *	5.12 *	5.14 *	5.15 *	5.16 *	5.16 *	5.13 *	5.08 *	5.00 *	6.14 *
-17	3.24 *	6.48 *	6.50 *	6.51 *	6.52 *	6.53 *	6.49 *	6.41 *	6.31 *	7.75 *
-19.5	3.87 *	7.76 *	7.80 *	7.83 *	7.84 *	7.84 *	7.79 *	7.70 *	7.59 *	9.33 *
-22.5	3.85 *	7.72 *	7.76 *	7.80 *	7.81 *	7.81 *	7.77 *	7.69 *	7.58 *	9.31 *
-25.5	4.52 *	9.06 *	9.10 *	9.15 *	9.19 *	9.18 *	9.13 *	9.02 *	8.88 *	10.89 *
-29	5.25 *	10.51 *	10.55 *	10.61 *	10.64 *	10.61 *	10.53 *	10.40 *	10.24 *	12.52 *
-33	5.98 *	11.97 *	12.00 *	12.05 *	12.07 *	12.02 *	11.87 *	11.65 *	11.42 *	13.94 *
-37.5	6.96 *	13.92 *	13.92 *	13.90 *	13.85 *	13.73 *	13.50 *	13.18 *	12.85 *	15.62 *
-42.5	7.61 *	15.20 *	15.11 *	14.97 *	14.80 *	14.61 *	14.32 *	13.91 *	13.49 *	16.20 *
-47.5	11.35 *	22.66 *	22.48 *	22.15 *	21.76 *	21.36 *	20.83 *	20.13 *	19.36 *	23.08 *
-55	12.34 *	24.53 *	24.20 *	23.70 *	23.14 *	22.50 *	21.77 *	20.90 *	19.92 *	23.50 *
-65	5.50 *	10.88 *	10.67 *	10.42 *	10.14 *	9.82 *	9.44 *	9.00 *	8.51 *	9.91 *
-75	0.60	1.19	1.17	1.16	1.17	1.17	1.17	1.17	1.16	1.42
-85	0.12	0.24	0.23	0.23	0.24	0.25	0.26	0.26	0.27	0.34
-90										
Total	184.11	367.74	366.62	364.81	362.41	358.97	353.68	346.12	337.01	408.07

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90										
	0.42	0.42	0.48	0.53	0.56	0.57	0.49	0.53	0.36	0.10
85	1.65	1.58	1.74	1.83	1.88	1.89	1.61	1.78	1.27	0.40
75	10.80 *	9.70 *	9.93 *	9.21 *	7.38 *	4.82	2.47	2.02	1.38	0.51
65	26.04 *	23.66 *	24.62 *	24.16 *	21.87 *	17.24 *	10.33 *	6.58	2.43	0.82
55	25.97 *	24.06 *	25.58 *	26.01 *	25.37 *	23.05 *	16.59 *	11.78 *	3.78	0.91

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

LUMENS TABULATION - (Cont.)

47.5	18.35 *	17.15 *	18.54 *	19.10 *	18.88 *	18.05 *	14.50 *	12.41 *	4.74 *	0.76
42.5	17.96 *	16.97 *	18.58 *	19.46 *	19.51 *	18.91 *	15.96 *	15.89 *	7.14 *	0.89
37.5	16.15 *	15.47 *	17.06 *	18.07 *	18.38 *	17.83 *	15.44 *	16.70 *	8.08 *	0.90
33	14.52 *	13.95 *	15.55 *	16.64 *	17.11 *	16.71 *	14.53 *	16.43 *	8.27 *	0.86
29	12.73 *	12.30 *	13.85 *	14.92 *	15.46 *	15.29 *	13.27 *	15.35 *	8.00 *	0.79
25.5	10.91 *	10.59 *	11.95 *	12.98 *	13.56 *	13.54 *	11.77 *	13.80 *	7.45 *	0.77
22.5	10.93 *	10.61 *	11.97 *	13.08 *	13.75 *	13.80 *	12.03 *	14.28 *	8.03 *	0.92
19.5	9.09 *	8.83 *	9.94 *	10.90 *	11.53 *	11.61 *	10.15 *	12.18 *	7.03 *	0.86
17	7.20 *	7.01 *	7.89 *	8.66 *	9.21 *	9.32 *	8.18 *	9.89 *	5.79 *	0.74
15	7.12 *	6.93 *	7.81 *	8.59 *	9.16 *	9.33 *	8.21 *	10.00 *	5.91 *	0.76
13	7.03 *	6.84 *	7.74 *	8.51 *	9.10 *	9.31 *	8.23 *	10.08 *	6.00 *	0.78
11	6.96 *	6.77 *	7.66 *	8.42 *	9.02 *	9.29 *	8.22 *	10.13 *	6.07 *	0.78
9	6.90 *	6.71 *	7.58 *	8.34 *	8.96 *	9.27 *	8.20 *	10.15 *	6.11 *	0.77
7	6.85 *	6.66 *	7.51 *	8.28 *	8.91 *	9.26 *	8.17 *	10.15 *	6.12 *	0.75
5	6.81 *	6.62 *	7.46 *	8.23 *	8.88 *	9.26 *	8.16 *	10.15 *	6.11 *	0.72
3	6.77 *	6.59 *	7.43 *	8.20 *	8.86 *	9.26 *	8.15 *	10.15 *	6.07 *	0.68
1	3.38 *	3.28 *	3.71 *	4.10 *	4.43 *	4.63 *	4.07 *	5.07 *	3.01 *	0.33
0	3.38 *	3.28 *	3.71 *	4.10 *	4.43 *	4.63 *	4.07 *	5.07 *	3.01 *	0.33
-1	6.77 *	6.59 *	7.43 *	8.20 *	8.86 *	9.26 *	8.15 *	10.15 *	6.07 *	0.68
-3	6.81 *	6.62 *	7.46 *	8.23 *	8.88 *	9.26 *	8.16 *	10.15 *	6.11 *	0.72
-5	6.85 *	6.66 *	7.51 *	8.28 *	8.91 *	9.26 *	8.17 *	10.15 *	6.12 *	0.75
-7	6.90 *	6.71 *	7.58 *	8.34 *	8.96 *	9.27 *	8.20 *	10.15 *	6.11 *	0.77
-9	6.96 *	6.77 *	7.66 *	8.42 *	9.02 *	9.29 *	8.22 *	10.13 *	6.07 *	0.78
-11	7.03 *	6.84 *	7.74 *	8.51 *	9.10 *	9.31 *	8.23 *	10.08 *	6.00 *	0.78
-13	7.12 *	6.93 *	7.81 *	8.59 *	9.16 *	9.33 *	8.21 *	10.00 *	5.91 *	0.76
-15	7.20 *	7.01 *	7.89 *	8.66 *	9.21 *	9.32 *	8.18 *	9.89 *	5.79 *	0.74
-17	9.09 *	8.83 *	9.94 *	10.90 *	11.53 *	11.61 *	10.15 *	12.18 *	7.03 *	0.86
-19.5	10.93 *	10.61 *	11.97 *	13.08 *	13.75 *	13.80 *	12.03 *	14.28 *	8.03 *	0.92

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

LUMENS TABULATION - (Cont.)

-22.5	10.91 *	10.59 *	11.95 *	12.98 *	13.56 *	13.54 *	11.77 *	13.80 *	7.45 *	0.77
-25.5	12.73 *	12.30 *	13.85 *	14.92 *	15.46 *	15.29 *	13.27 *	15.35 *	8.00 *	0.79
-29	14.52 *	13.95 *	15.55 *	16.64 *	17.11 *	16.71 *	14.53 *	16.43 *	8.27 *	0.86
-33	16.15 *	15.47 *	17.06 *	18.07 *	18.38 *	17.83 *	15.44 *	16.70 *	8.08 *	0.90
-37.5	17.96 *	16.97 *	18.58 *	19.46 *	19.51 *	18.91 *	15.96 *	15.89 *	7.14 *	0.89
-42.5	18.35 *	17.15 *	18.54 *	19.10 *	18.88 *	18.05 *	14.50 *	12.41 *	4.74 *	0.76
-47.5	25.97 *	24.06 *	25.58 *	26.01 *	25.37 *	23.05 *	16.59 *	11.78 *	3.78	0.91
-55	26.04 *	23.66 *	24.62 *	24.16 *	21.87 *	17.24 *	10.33 *	6.58	2.43	0.82
-65	10.80 *	9.70 *	9.93 *	9.21 *	7.38 *	4.82	2.47	2.02	1.38	0.51
-75	1.65	1.58	1.74	1.83	1.88	1.89	1.61	1.78	1.27	0.40
-85	0.42	0.42	0.48	0.53	0.56	0.57	0.49	0.53	0.36	0.10
-90										
Total	469.04	445.44	489.14	516.45	523.51	504.45	417.45	451.08	238.30	31.55

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		6.92
85				
	0.07	0.00		27.09
75				
	0.11	0.00		152.63
65				
	0.17	0.00		374.43
55				
	0.17	0.00		388.44
47.5				
	0.14	0.00		282.86
42.5				
	0.15	0.00		282.87
37.5				
	0.15	0.00		259.20
33				
	0.15	0.00		236.57
29				
	0.14	0.00		210.21
25.5				
	0.13	0.00		182.55
22.5				
	0.13	0.00		184.90
19.5				
	0.11	0.00		154.97
17				
	0.09	0.00		123.61

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

LUMENS TABULATION - (Cont.)

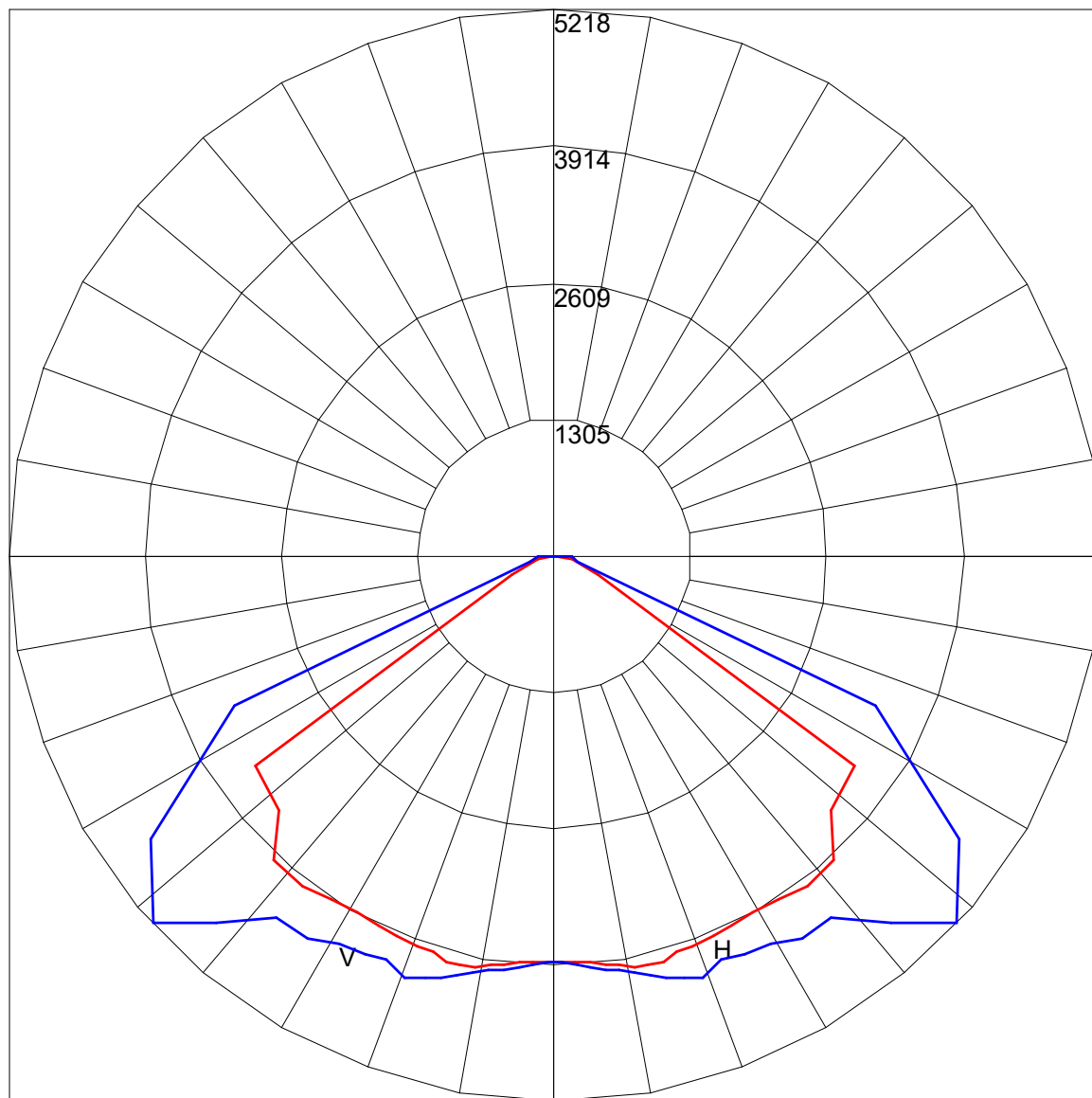
15	0.09	0.00	122.96
13	0.09	0.00	122.16
11	0.10	0.00	121.30
9	0.10	0.00	120.45
7	0.10	0.00	119.67
5	0.10	0.00	119.04
3	0.10	0.00	118.55
1	0.05	0.00	59.12
0	0.05	0.00	59.12
-1	0.10	0.00	118.55
-3	0.10	0.00	119.04
-5	0.10	0.00	119.67
-7	0.10	0.00	120.45
-9	0.10	0.00	121.30
-11	0.09	0.00	122.16
-13	0.09	0.00	122.96
-15	0.09	0.00	123.61
-17	0.11	0.00	154.97
-19.5	0.13	0.00	184.90
-22.5	0.13	0.00	182.55
-25.5	0.14	0.00	210.21
-29	0.15	0.00	236.57
-33	0.15	0.00	259.20
-37.5	0.15	0.00	282.87
-42.5	0.14	0.00	282.86
-47.5	0.17	0.00	388.44
-55	0.17	0.00	374.43
-65	0.11	0.00	152.63

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

LUMENS TABULATION - (Cont.)

-75	0.07	0.00	27.09
-85	0.01	0.00	6.92
-90			
Total	4.90	0.10	7540.94

AXIAL CANDELA DISPLAY

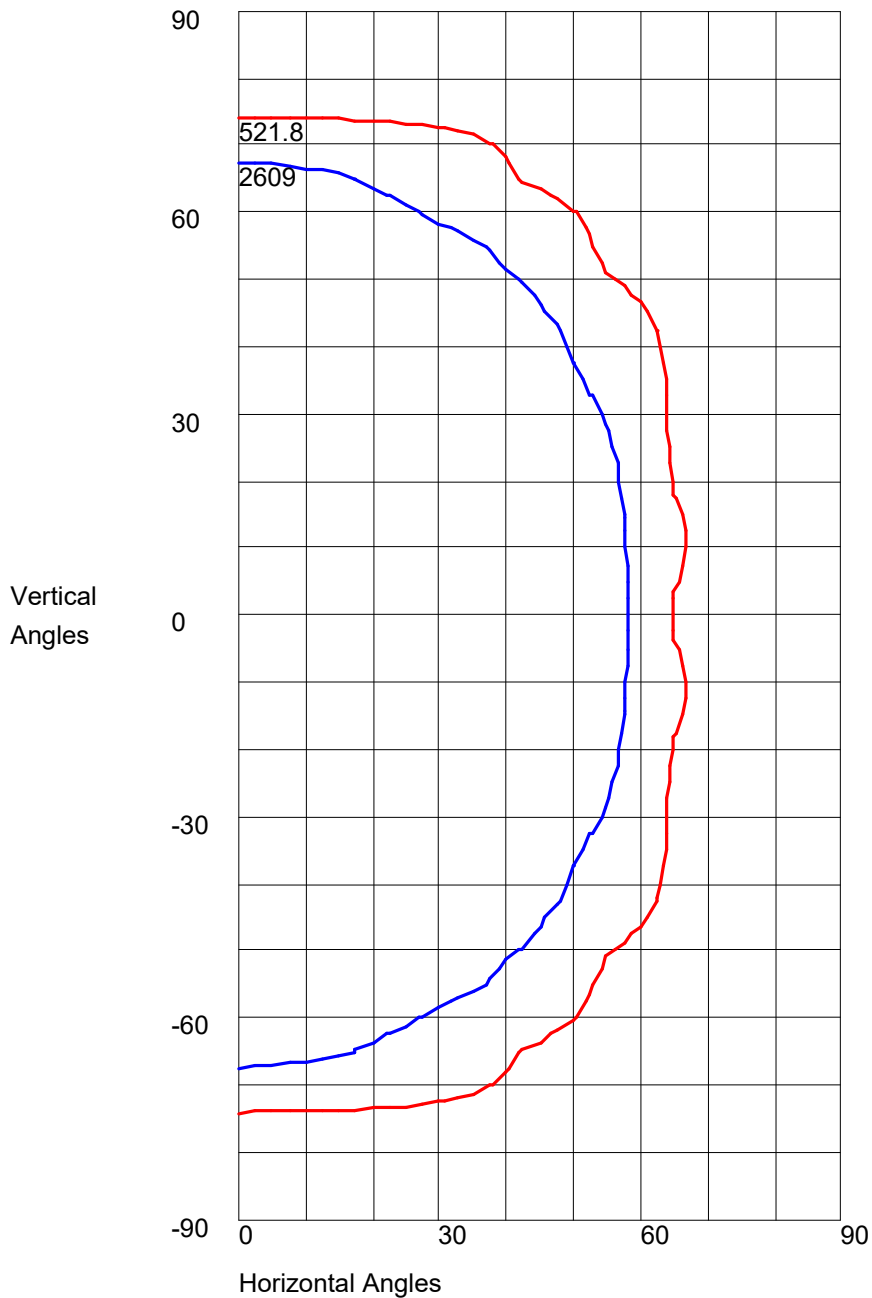


Maximum Candela = 5218 Located At Horizontal Angle = 0, Vertical Angle = -47.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 5218 Located At Horizontal Angle = 0, Vertical Angle = -47.5
50% Maximum Candela = 2609
10% Maximum Candela = 521.8