



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-VWF-50-80-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
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-VWF-50-80-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	5087
Maximum Candela Angle	0H -47.5V
Horizontal Beam Angle (50%)	88.9
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	12761
Beam Efficiency	N.A.
Field Lumens	14409
Field Efficiency	N.A.
Spill Lumens	293
Luminaire Lumens	14703
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	25	85	158
75	156	75	227
65	445	65	3302
55	3409	55	4607
47.5	3502	47.5	5087
42.5	3861	42.5	4659
37.5	3873	37.5	4257
33	3836	33	4248
29	3808	29	4142
25.5	3817	25.5	4127
22.5	3849	22.5	4075
19.5	3861	19.5	4171
17	3862	17	4119
15	3934	15	4070
13	3924	13	4019
11	3902	11	3971
9	3874	9	3926
7	3843	7	3886
5	3813	5	3852
3	3787	3	3826
1	3786	1	3802
0	3790	0	3790
-1	3786	-1	3802
-3	3787	-3	3826
-5	3813	-5	3852
-7	3843	-7	3886
-9	3874	-9	3926
-11	3902	-11	3971
-13	3924	-13	4019
-15	3934	-15	4070
-17	3862	-17	4119
-19.5	3861	-19.5	4171
-22.5	3849	-22.5	4075
-25.5	3817	-25.5	4127
-29	3808	-29	4142
-33	3836	-33	4248
-37.5	3873	-37.5	4257
-42.5	3861	-42.5	4659
-47.5	3502	-47.5	5087
-55	3409	-55	4607
-65	445	-65	3302
-75	156	-75	227
-85	25	-85	158
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 5087

Beam Edge = 2543.5 Cd (50% of Max.)

Field Edge = 508.7 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	0	0	0	0	1	1
85.0	0	3	13	61	125	166	187	192	195	197
75.0	0	8	26	51	89	107	123	131	136	155
65.0	0	13	37	77	135	221	447	911 *	1393 *	1757 *
55.0	0	16	58	134	276	1165 *	1910 *	2495 *	2819 *	3052 *
47.5	0	18	74	187	696 *	2149 *	2791 *	3079 *	3392 *	3690 *
42.5	0	20	88	222	1326 *	2601 *	2964 *	3237 *	3450 *	3735 *
37.5	0	21	101	258	1856 *	2889 *	3108 *	3333 *	3575 *	3770 *
33.0	0	22	111	278	2211 *	3174 *	3258 *	3548 *	3772 *	3874 *
29.0	0	22	121	291	2519 *	3306 *	3419 *	3739 *	3845 *	4046 *
25.5	0	23	129	302	2744 *	3402 *	3602 *	3847 *	3958 *	4072 *
22.5	0	23	135	398	2925 *	3481 *	3724 *	3911 *	4032 *	4093 *
19.5	0	24	140	481	3058 *	3529 *	3786 *	3958 *	4072 *	4087 *
17.0	0	24	144	530 *	3136 *	3571 *	3814 *	3970 *	4068 *	4053 *
15.0	0	24	147	557 *	3193 *	3600 *	3829 *	3971 *	4037 *	4008 *
13.0	0	24	149	575 *	3245 *	3611 *	3836 *	3956 *	4002 *	3987 *
11.0	0	25	151	583 *	3292 *	3607 *	3841 *	3931 *	3959 *	3951 *
9.0	0	25	153	574 *	3333 *	3591 *	3846 *	3907 *	3919 *	3900 *
7.0	0	25	154	555 *	3367 *	3564 *	3850 *	3891 *	3888 *	3863 *
5.0	0	25	156	530 *	3388 *	3536 *	3852 *	3880 *	3864 *	3840 *
3.0	0	25	156	502	3409 *	3521 *	3864 *	3876 *	3846 *	3818 *
1.0	0	25	156	464	3409 *	3508 *	3862 *	3875 *	3840 *	3812 *
0.0	0	25	156	445	3409 *	3502 *	3861 *	3873 *	3836 *	3808 *
-1.0	0	25	156	464	3409 *	3508 *	3862 *	3875 *	3840 *	3812 *
-3.0	0	25	156	502	3409 *	3521 *	3864 *	3876 *	3846 *	3818 *
-5.0	0	25	156	530 *	3388 *	3536 *	3852 *	3880 *	3864 *	3840 *
-7.0	0	25	154	555 *	3367 *	3564 *	3850 *	3891 *	3888 *	3863 *
-9.0	0	25	153	574 *	3333 *	3591 *	3846 *	3907 *	3919 *	3900 *
-11.0	0	25	151	583 *	3292 *	3607 *	3841 *	3931 *	3959 *	3951 *
-13.0	0	24	149	575 *	3245 *	3611 *	3836 *	3956 *	4002 *	3987 *
-15.0	0	24	147	557 *	3193 *	3600 *	3829 *	3971 *	4037 *	4008 *
-17.0	0	24	144	530 *	3136 *	3571 *	3814 *	3970 *	4068 *	4053 *
-19.5	0	24	140	481	3058 *	3529 *	3786 *	3958 *	4072 *	4087 *
-22.5	0	23	135	398	2925 *	3481 *	3724 *	3911 *	4032 *	4093 *
-25.5	0	23	129	302	2744 *	3402 *	3602 *	3847 *	3958 *	4072 *
-29.0	0	22	121	291	2519 *	3306 *	3419 *	3739 *	3845 *	4046 *
-33.0	0	22	111	278	2211 *	3174 *	3258 *	3548 *	3772 *	3874 *
-37.5	0	21	101	258	1856 *	2889 *	3108 *	3333 *	3575 *	3770 *
-42.5	0	20	88	222	1326 *	2601 *	2964 *	3237 *	3450 *	3735 *
-47.5	0	18	74	187	696 *	2149 *	2791 *	3079 *	3392 *	3690 *
-55.0	0	16	58	134	276	1165 *	1910 *	2495 *	2819 *	3052 *
-65.0	0	13	37	77	135	221	447	911 *	1393 *	1757 *
-75.0	0	8	26	51	89	107	123	131	136	155
-85.0	0	3	13	61	125	166	187	192	195	197
-90.0	0	0	0	0	0	0	0	0	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	196	192	186	180	176	170	165	159	153	147
75.0	169	181	194	203	211	214	217	220	223	226
65.0	2006 *	2176 *	2387 *	2560 *	2694 *	2819 *	2925 *	3017 *	3095 *	3160 *
55.0	3314 *	3557 *	3784 *	3942 *	4071 *	4202 *	4300 *	4383 *	4463 *	4538 *
47.5	3975 *	4141 *	4346 *	4525 *	4652 *	4778 *	4895 *	4931 *	4976 *	5027 *
42.5	3857 *	4052 *	4242 *	4357 *	4430 *	4499 *	4569 *	4603 *	4620 *	4642 *
37.5	3927 *	4021 *	4101 *	4144 *	4183 *	4274 *	4330 *	4351 *	4330 *	4300 *
33.0	4026 *	4087 *	4191 *	4267 *	4299 *	4315 *	4336 *	4340 *	4316 *	4285 *
29.0	4051 *	4127 *	4182 *	4233 *	4255 *	4281 *	4287 *	4283 *	4261 *	4209 *
25.5	4109 *	4135 *	4180 *	4183 *	4218 *	4246 *	4248 *	4226 *	4195 *	4165 *
22.5	4116 *	4136 *	4175 *	4203 *	4218 *	4229 *	4221 *	4218 *	4197 *	4167 *
19.5	4126 *	4147 *	4196 *	4203 *	4226 *	4267 *	4276 *	4260 *	4224 *	4204 *
17.0	4099 *	4123 *	4150 *	4169 *	4200 *	4223 *	4226 *	4202 *	4178 *	4153 *
15.0	4064 *	4078 *	4112 *	4124 *	4156 *	4176 *	4173 *	4152 *	4130 *	4104 *
13.0	4011 *	4027 *	4059 *	4071 *	4102 *	4131 *	4122 *	4102 *	4077 *	4053 *
11.0	3968 *	3972 *	4021 *	4020 *	4059 *	4082 *	4073 *	4049 *	4025 *	4003 *
9.0	3932 *	3940 *	3975 *	3981 *	4023 *	4039 *	4026 *	4002 *	3976 *	3954 *
7.0	3890 *	3914 *	3935 *	3945 *	3984 *	4007 *	3986 *	3960 *	3933 *	3910 *
5.0	3861 *	3896 *	3904 *	3896 *	3958 *	3973 *	3953 *	3925 *	3896 *	3870 *
3.0	3836 *	3874 *	3882 *	3876 *	3948 *	3946 *	3923 *	3897 *	3868 *	3840 *
1.0	3821 *	3856 *	3865 *	3866 *	3939 *	3929 *	3906 *	3878 *	3848 *	3818 *
0.0	3817 *	3849 *	3861 *	3862 *	3934 *	3924 *	3902 *	3874 *	3843 *	3813 *
-1.0	3821 *	3856 *	3865 *	3866 *	3939 *	3929 *	3906 *	3878 *	3848 *	3818 *
-3.0	3836 *	3874 *	3882 *	3876 *	3948 *	3946 *	3923 *	3897 *	3868 *	3840 *
-5.0	3861 *	3896 *	3904 *	3896 *	3958 *	3973 *	3953 *	3925 *	3896 *	3870 *
-7.0	3890 *	3914 *	3935 *	3945 *	3984 *	4007 *	3986 *	3960 *	3933 *	3910 *
-9.0	3932 *	3940 *	3975 *	3981 *	4023 *	4039 *	4026 *	4002 *	3976 *	3954 *
-11.0	3968 *	3972 *	4021 *	4020 *	4059 *	4082 *	4073 *	4049 *	4025 *	4003 *
-13.0	4011 *	4027 *	4059 *	4071 *	4102 *	4131 *	4122 *	4102 *	4077 *	4053 *
-15.0	4064 *	4078 *	4112 *	4124 *	4156 *	4176 *	4173 *	4152 *	4130 *	4104 *
-17.0	4099 *	4123 *	4150 *	4169 *	4200 *	4223 *	4226 *	4202 *	4178 *	4153 *
-19.5	4126 *	4147 *	4196 *	4203 *	4226 *	4267 *	4276 *	4260 *	4224 *	4204 *
-22.5	4116 *	4136 *	4175 *	4203 *	4218 *	4229 *	4221 *	4218 *	4197 *	4167 *
-25.5	4109 *	4135 *	4180 *	4183 *	4218 *	4246 *	4248 *	4226 *	4195 *	4165 *
-29.0	4051 *	4127 *	4182 *	4233 *	4255 *	4281 *	4287 *	4283 *	4261 *	4209 *
-33.0	4026 *	4087 *	4191 *	4267 *	4299 *	4315 *	4336 *	4340 *	4316 *	4285 *
-37.5	3927 *	4021 *	4101 *	4144 *	4183 *	4274 *	4330 *	4351 *	4330 *	4300 *
-42.5	3857 *	4052 *	4242 *	4357 *	4430 *	4499 *	4569 *	4603 *	4620 *	4642 *
-47.5	3975 *	4141 *	4346 *	4525 *	4652 *	4778 *	4895 *	4931 *	4976 *	5027 *
-55.0	3314 *	3557 *	3784 *	3942 *	4071 *	4202 *	4300 *	4383 *	4463 *	4538 *
-65.0	2006 *	2176 *	2387 *	2560 *	2694 *	2819 *	2925 *	3017 *	3095 *	3160 *
-75.0	169	181	194	203	211	214	217	220	223	226
-85.0	196	192	186	180	176	170	165	159	153	147
-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	151	156	158	156	151	147	153	159	165	170
75.0	226	227	227	227	226	226	223	220	217	214
65.0	3236 *	3280 *	3302 *	3280 *	3236 *	3160 *	3095 *	3017 *	2925 *	2819 *

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CANDELA TABULATION - (Cont.)

55.0	4593 *	4602 *	4607 *	4602 *	4593 *	4538 *	4463 *	4383 *	4300 *	4202 *
47.5	5072 *	5082 *	5087 *	5082 *	5072 *	5027 *	4976 *	4931 *	4895 *	4778 *
42.5	4654 *	4657 *	4659 *	4657 *	4654 *	4642 *	4620 *	4603 *	4569 *	4499 *
37.5	4266 *	4257 *	4257 *	4257 *	4266 *	4300 *	4330 *	4351 *	4330 *	4274 *
33.0	4261 *	4250 *	4248 *	4250 *	4261 *	4285 *	4316 *	4340 *	4336 *	4315 *
29.0	4166 *	4148 *	4142 *	4148 *	4166 *	4209 *	4261 *	4283 *	4287 *	4281 *
25.5	4141 *	4129 *	4127 *	4129 *	4141 *	4165 *	4195 *	4226 *	4248 *	4246 *
22.5	4127 *	4088 *	4075 *	4088 *	4127 *	4167 *	4197 *	4218 *	4221 *	4229 *
19.5	4185 *	4172 *	4171 *	4172 *	4185 *	4204 *	4224 *	4260 *	4276 *	4267 *
17.0	4134 *	4121 *	4119 *	4121 *	4134 *	4153 *	4178 *	4202 *	4226 *	4223 *
15.0	4084 *	4071 *	4070 *	4071 *	4084 *	4104 *	4130 *	4152 *	4173 *	4176 *
13.0	4031 *	4020 *	4019 *	4020 *	4031 *	4053 *	4077 *	4102 *	4122 *	4131 *
11.0	3980 *	3970 *	3971 *	3970 *	3980 *	4003 *	4025 *	4049 *	4073 *	4082 *
9.0	3934 *	3924 *	3926 *	3924 *	3934 *	3954 *	3976 *	4002 *	4026 *	4039 *
7.0	3894 *	3883 *	3886 *	3883 *	3894 *	3910 *	3933 *	3960 *	3986 *	4007 *
5.0	3853 *	3844 *	3852 *	3844 *	3853 *	3870 *	3896 *	3925 *	3953 *	3973 *
3.0	3820 *	3819 *	3826 *	3819 *	3820 *	3840 *	3868 *	3897 *	3923 *	3946 *
1.0	3797 *	3794 *	3802 *	3794 *	3797 *	3818 *	3848 *	3878 *	3906 *	3929 *
0.0	3787 *	3786 *	3790 *	3786 *	3787 *	3813 *	3843 *	3874 *	3902 *	3924 *
-1.0	3797 *	3794 *	3802 *	3794 *	3797 *	3818 *	3848 *	3878 *	3906 *	3929 *
-3.0	3820 *	3819 *	3826 *	3819 *	3820 *	3840 *	3868 *	3897 *	3923 *	3946 *
-5.0	3853 *	3844 *	3852 *	3844 *	3853 *	3870 *	3896 *	3925 *	3953 *	3973 *
-7.0	3894 *	3883 *	3886 *	3883 *	3894 *	3910 *	3933 *	3960 *	3986 *	4007 *
-9.0	3934 *	3924 *	3926 *	3924 *	3934 *	3954 *	3976 *	4002 *	4026 *	4039 *
-11.0	3980 *	3970 *	3971 *	3970 *	3980 *	4003 *	4025 *	4049 *	4073 *	4082 *
-13.0	4031 *	4020 *	4019 *	4020 *	4031 *	4053 *	4077 *	4102 *	4122 *	4131 *
-15.0	4084 *	4071 *	4070 *	4071 *	4084 *	4104 *	4130 *	4152 *	4173 *	4176 *
-17.0	4134 *	4121 *	4119 *	4121 *	4134 *	4153 *	4178 *	4202 *	4226 *	4223 *
-19.5	4185 *	4172 *	4171 *	4172 *	4185 *	4204 *	4224 *	4260 *	4276 *	4267 *
-22.5	4127 *	4088 *	4075 *	4088 *	4127 *	4167 *	4197 *	4218 *	4221 *	4229 *
-25.5	4141 *	4129 *	4127 *	4129 *	4141 *	4165 *	4195 *	4226 *	4248 *	4246 *
-29.0	4166 *	4148 *	4142 *	4148 *	4166 *	4209 *	4261 *	4283 *	4287 *	4281 *
-33.0	4261 *	4250 *	4248 *	4250 *	4261 *	4285 *	4316 *	4340 *	4336 *	4315 *
-37.5	4266 *	4257 *	4257 *	4257 *	4266 *	4300 *	4330 *	4351 *	4330 *	4274 *
-42.5	4654 *	4657 *	4659 *	4657 *	4654 *	4642 *	4620 *	4603 *	4569 *	4499 *
-47.5	5072 *	5082 *	5087 *	5082 *	5072 *	5027 *	4976 *	4931 *	4895 *	4778 *
-55.0	4593 *	4602 *	4607 *	4602 *	4593 *	4538 *	4463 *	4383 *	4300 *	4202 *
-65.0	3236 *	3280 *	3302 *	3280 *	3236 *	3160 *	3095 *	3017 *	2925 *	2819 *
-75.0	226	227	227	227	226	226	223	220	217	214
-85.0	151	156	158	156	151	147	153	159	165	170
-90.0	1	1	1	1	1	1	1	1	1	1

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	0	0	0
85.0	176	180	186	192	196	197	195	192	187	166
75.0	211	203	194	181	169	155	136	131	123	107
65.0	2694 *	2560 *	2387 *	2176 *	2006 *	1757 *	1393 *	911 *	447	221
55.0	4071 *	3942 *	3784 *	3557 *	3314 *	3052 *	2819 *	2495 *	1910 *	1165 *
47.5	4652 *	4525 *	4346 *	4141 *	3975 *	3690 *	3392 *	3079 *	2791 *	2149 *
42.5	4430 *	4357 *	4242 *	4052 *	3857 *	3735 *	3450 *	3237 *	2964 *	2601 *
37.5	4183 *	4144 *	4101 *	4021 *	3927 *	3770 *	3575 *	3333 *	3108 *	2889 *
33.0	4299 *	4267 *	4191 *	4087 *	4026 *	3874 *	3772 *	3548 *	3258 *	3174 *
29.0	4255 *	4233 *	4182 *	4127 *	4051 *	4046 *	3845 *	3739 *	3419 *	3306 *
25.5	4218 *	4183 *	4180 *	4135 *	4109 *	4072 *	3958 *	3847 *	3602 *	3402 *

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CANDELA TABULATION - (Cont.)

22.5	4218 *	4203 *	4175 *	4136 *	4116 *	4093 *	4032 *	3911 *	3724 *	3481 *
19.5	4226 *	4203 *	4196 *	4147 *	4126 *	4087 *	4072 *	3958 *	3786 *	3529 *
17.0	4200 *	4169 *	4150 *	4123 *	4099 *	4053 *	4068 *	3970 *	3814 *	3571 *
15.0	4156 *	4124 *	4112 *	4078 *	4064 *	4008 *	4037 *	3971 *	3829 *	3600 *
13.0	4102 *	4071 *	4059 *	4027 *	4011 *	3987 *	4002 *	3956 *	3836 *	3611 *
11.0	4059 *	4020 *	4021 *	3972 *	3968 *	3951 *	3959 *	3931 *	3841 *	3607 *
9.0	4023 *	3981 *	3975 *	3940 *	3932 *	3900 *	3919 *	3907 *	3846 *	3591 *
7.0	3984 *	3945 *	3935 *	3914 *	3890 *	3863 *	3888 *	3891 *	3850 *	3564 *
5.0	3958 *	3896 *	3904 *	3896 *	3861 *	3840 *	3864 *	3880 *	3852 *	3536 *
3.0	3948 *	3876 *	3882 *	3874 *	3836 *	3818 *	3846 *	3876 *	3864 *	3521 *
1.0	3939 *	3866 *	3865 *	3856 *	3821 *	3812 *	3840 *	3875 *	3862 *	3508 *
0.0	3934 *	3862 *	3861 *	3849 *	3817 *	3808 *	3836 *	3873 *	3861 *	3502 *
-1.0	3939 *	3866 *	3865 *	3856 *	3821 *	3812 *	3840 *	3875 *	3862 *	3508 *
-3.0	3948 *	3876 *	3882 *	3874 *	3836 *	3818 *	3846 *	3876 *	3864 *	3521 *
-5.0	3958 *	3896 *	3904 *	3896 *	3861 *	3840 *	3864 *	3880 *	3852 *	3536 *
-7.0	3984 *	3945 *	3935 *	3914 *	3890 *	3863 *	3888 *	3891 *	3850 *	3564 *
-9.0	4023 *	3981 *	3975 *	3940 *	3932 *	3900 *	3919 *	3907 *	3846 *	3591 *
-11.0	4059 *	4020 *	4021 *	3972 *	3968 *	3951 *	3959 *	3931 *	3841 *	3607 *
-13.0	4102 *	4071 *	4059 *	4027 *	4011 *	3987 *	4002 *	3956 *	3836 *	3611 *
-15.0	4156 *	4124 *	4112 *	4078 *	4064 *	4008 *	4037 *	3971 *	3829 *	3600 *
-17.0	4200 *	4169 *	4150 *	4123 *	4099 *	4053 *	4068 *	3970 *	3814 *	3571 *
-19.5	4226 *	4203 *	4196 *	4147 *	4126 *	4087 *	4072 *	3958 *	3786 *	3529 *
-22.5	4218 *	4203 *	4175 *	4136 *	4116 *	4093 *	4032 *	3911 *	3724 *	3481 *
-25.5	4218 *	4183 *	4180 *	4135 *	4109 *	4072 *	3958 *	3847 *	3602 *	3402 *
-29.0	4255 *	4233 *	4182 *	4127 *	4051 *	4046 *	3845 *	3739 *	3419 *	3306 *
-33.0	4299 *	4267 *	4191 *	4087 *	4026 *	3874 *	3772 *	3548 *	3258 *	3174 *
-37.5	4183 *	4144 *	4101 *	4021 *	3927 *	3770 *	3575 *	3333 *	3108 *	2889 *
-42.5	4430 *	4357 *	4242 *	4052 *	3857 *	3735 *	3450 *	3237 *	2964 *	2601 *
-47.5	4652 *	4525 *	4346 *	4141 *	3975 *	3690 *	3392 *	3079 *	2791 *	2149 *
-55.0	4071 *	3942 *	3784 *	3557 *	3314 *	3052 *	2819 *	2495 *	1910 *	1165 *
-65.0	2694 *	2560 *	2387 *	2176 *	2006 *	1757 *	1393 *	911 *	447	221
-75.0	211	203	194	181	169	155	136	131	123	107
-85.0	176	180	186	192	196	197	195	192	187	166
-90.0	1	1	1	1	1	1	1	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	125	61	13	3	0
75.0	89	51	26	8	0
65.0	135	77	37	13	0
55.0	276	134	58	16	0
47.5	696 *	187	74	18	0
42.5	1326 *	222	88	20	0
37.5	1856 *	258	101	21	0
33.0	2211 *	278	111	22	0
29.0	2519 *	291	121	22	0
25.5	2744 *	302	129	23	0
22.5	2925 *	398	135	23	0
19.5	3058 *	481	140	24	0
17.0	3136 *	530 *	144	24	0
15.0	3193 *	557 *	147	24	0
13.0	3245 *	575 *	149	24	0
11.0	3292 *	583 *	151	25	0
9.0	3333 *	574 *	153	25	0

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

CANDELA TABULATION - (Cont.)

7.0	3367 *	555 *	154	25	0
5.0	3388 *	530 *	156	25	0
3.0	3409 *	502	156	25	0
1.0	3409 *	464	156	25	0
0.0	3409 *	445	156	25	0
-1.0	3409 *	464	156	25	0
-3.0	3409 *	502	156	25	0
-5.0	3388 *	530 *	156	25	0
-7.0	3367 *	555 *	154	25	0
-9.0	3333 *	574 *	153	25	0
-11.0	3292 *	583 *	151	25	0
-13.0	3245 *	575 *	149	24	0
-15.0	3193 *	557 *	147	24	0
-17.0	3136 *	530 *	144	24	0
-19.5	3058 *	481	140	24	0
-22.5	2925 *	398	135	23	0
-25.5	2744 *	302	129	23	0
-29.0	2519 *	291	121	22	0
-33.0	2211 *	278	111	22	0
-37.5	1856 *	258	101	21	0
-42.5	1326 *	222	88	20	0
-47.5	696 *	187	74	18	0
-55.0	276	134	58	16	0
-65.0	135	77	37	13	0
-75.0	89	51	26	8	0
-85.0	125	61	13	3	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7351.29

Total Field Lumens (one side of beam only) = 7204.71

* 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	0.24	0.24	0.25	0.26	0.33
75	0.58	1.16	1.14	1.13	1.14	1.14	1.14	1.14	1.13	1.38
65	5.36 *	10.61 *	10.40 *	10.15 *	9.89 *	9.57 *	9.20 *	8.77 *	8.30 *	9.66 *
55	12.02 *	23.91 *	23.59 *	23.11 *	22.56 *	21.94 *	21.22 *	20.37 *	19.42 *	22.91 *
47.5	11.07 *	22.09 *	21.91 *	21.59 *	21.21 *	20.82 *	20.31 *	19.62 *	18.87 *	22.50 *
42.5	7.42 *	14.81 *	14.73 *	14.59 *	14.43 *	14.25 *	13.96 *	13.57 *	13.15 *	15.79 *
37.5	6.79 *	13.57 *	13.57 *	13.55 *	13.50 *	13.39 *	13.16 *	12.85 *	12.53 *	15.23 *
33	5.83 *	11.67 *	11.70 *	11.74 *	11.77 *	11.71 *	11.57 *	11.35 *	11.13 *	13.59 *
29	5.11 *	10.24 *	10.28 *	10.34 *	10.38 *	10.35 *	10.26 *	10.14 *	9.99 *	12.20 *
25.5	4.41 *	8.83 *	8.87 *	8.92 *	8.96 *	8.95 *	8.90 *	8.79 *	8.65 *	10.62 *
22.5	3.75 *	7.53 *	7.57 *	7.60 *	7.62 *	7.61 *	7.57 *	7.50 *	7.39 *	9.08 *
19.5	3.77 *	7.57 *	7.60 *	7.63 *	7.65 *	7.64 *	7.59 *	7.51 *	7.40 *	9.10 *
17	3.16 *	6.32 *	6.33 *	6.35 *	6.36 *	6.36 *	6.33 *	6.25 *	6.15 *	7.56 *
15	2.49 *	5.00 *	5.01 *	5.02 *	5.03 *	5.03 *	5.00 *	4.95 *	4.87 *	5.99 *
13	2.46 *	4.93 *	4.94 *	4.96 *	4.97 *	4.96 *	4.95 *	4.90 *	4.82 *	5.92 *
11	2.43 *	4.87 *	4.88 *	4.89 *	4.90 *	4.90 *	4.89 *	4.84 *	4.76 *	5.85 *
9	2.40 *	4.81 *	4.82 *	4.83 *	4.84 *	4.84 *	4.83 *	4.79 *	4.71 *	5.78 *
7	2.38 *	4.76 *	4.77 *	4.78 *	4.79 *	4.79 *	4.78 *	4.74 *	4.67 *	5.73 *
5	2.36 *	4.71 *	4.72 *	4.73 *	4.74 *	4.75 *	4.74 *	4.71 *	4.62 *	5.67 *
3	2.34 *	4.67 *	4.67 *	4.69 *	4.70 *	4.71 *	4.71 *	4.68 *	4.59 *	5.63 *
1	2.32 *	4.64 *	4.64 *	4.66 *	4.67 *	4.68 *	4.68 *	4.66 *	4.58 *	5.60 *
0	1.16 *	2.31 *	2.31 *	2.32 *	2.33 *	2.33 *	2.33 *	2.32 *	2.28 *	2.79 *
-1	1.16 *	2.31 *	2.31 *	2.32 *	2.33 *	2.33 *	2.33 *	2.32 *	2.28 *	2.79 *
	2.32 *	4.64 *	4.64 *	4.66 *	4.67 *	4.68 *	4.68 *	4.66 *	4.58 *	5.60 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	2.34 *	4.67 *	4.67 *	4.69 *	4.70 *	4.71 *	4.71 *	4.68 *	4.59 *	5.63 *
-5	2.36 *	4.71 *	4.72 *	4.73 *	4.74 *	4.75 *	4.74 *	4.71 *	4.62 *	5.67 *
-7	2.38 *	4.76 *	4.77 *	4.78 *	4.79 *	4.79 *	4.78 *	4.74 *	4.67 *	5.73 *
-9	2.40 *	4.81 *	4.82 *	4.83 *	4.84 *	4.84 *	4.83 *	4.79 *	4.71 *	5.78 *
-11	2.43 *	4.87 *	4.88 *	4.89 *	4.90 *	4.90 *	4.89 *	4.84 *	4.76 *	5.85 *
-13	2.46 *	4.93 *	4.94 *	4.96 *	4.97 *	4.96 *	4.95 *	4.90 *	4.82 *	5.92 *
-15	2.49 *	5.00 *	5.01 *	5.02 *	5.03 *	5.03 *	5.00 *	4.95 *	4.87 *	5.99 *
-17	3.16 *	6.32 *	6.33 *	6.35 *	6.36 *	6.36 *	6.33 *	6.25 *	6.15 *	7.56 *
-19.5	3.77 *	7.57 *	7.60 *	7.63 *	7.65 *	7.64 *	7.59 *	7.51 *	7.40 *	9.10 *
-22.5	3.75 *	7.53 *	7.57 *	7.60 *	7.62 *	7.61 *	7.57 *	7.50 *	7.39 *	9.08 *
-25.5	4.41 *	8.83 *	8.87 *	8.92 *	8.96 *	8.95 *	8.90 *	8.79 *	8.65 *	10.62 *
-29	5.11 *	10.24 *	10.28 *	10.34 *	10.38 *	10.35 *	10.26 *	10.14 *	9.99 *	12.20 *
-33	5.83 *	11.67 *	11.70 *	11.74 *	11.77 *	11.71 *	11.57 *	11.35 *	11.13 *	13.59 *
-37.5	6.79 *	13.57 *	13.57 *	13.55 *	13.50 *	13.39 *	13.16 *	12.85 *	12.53 *	15.23 *
-42.5	7.42 *	14.81 *	14.73 *	14.59 *	14.43 *	14.25 *	13.96 *	13.57 *	13.15 *	15.79 *
-47.5	11.07 *	22.09 *	21.91 *	21.59 *	21.21 *	20.82 *	20.31 *	19.62 *	18.87 *	22.50 *
-55	12.02 *	23.91 *	23.59 *	23.11 *	22.56 *	21.94 *	21.22 *	20.37 *	19.42 *	22.91 *
-65	5.36 *	10.61 *	10.40 *	10.15 *	9.89 *	9.57 *	9.20 *	8.77 *	8.30 *	9.66 *
-75	0.58	1.16	1.14	1.13	1.14	1.14	1.14	1.14	1.13	1.38
-85	0.12	0.24	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.33
-90										
Total	179.48	358.49	357.40	355.63	353.29	349.93	344.76	337.40	328.53	397.81

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										
	0.41	0.41	0.47	0.51	0.54	0.55	0.48	0.52	0.35	0.10
85	1.61	1.54	1.70	1.78	1.83	1.85	1.57	1.74	1.24	0.39
75	10.53 *	9.46 *	9.68 *	8.98 *	7.19 *	4.70	2.42	1.97	1.34	0.50
65	25.39 *	23.07 *	24.00 *	23.55 *	21.31 *	16.80 *	10.07 *	6.42	2.37	0.80
55	25.32 *	23.46 *	24.93 *	25.36 *	24.73 *	22.47 *	16.18 *	11.48 *	3.69	0.88

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	17.89 *	16.72 *	18.07 *	18.62 *	18.41 *	17.60 *	14.14 *	12.10 *	4.62 *	0.74
42.5	17.50 *	16.55 *	18.11 *	18.97 *	19.02 *	18.43 *	15.56 *	15.49 *	6.96 *	0.87
37.5	15.74 *	15.08 *	16.63 *	17.61 *	17.91 *	17.38 *	15.05 *	16.29 *	7.88 *	0.88
33	14.15 *	13.60 *	15.16 *	16.22 *	16.68 *	16.29 *	14.17 *	16.02 *	8.06 *	0.83
29	12.41 *	11.99 *	13.50 *	14.55 *	15.07 *	14.91 *	12.93 *	14.97 *	7.79 *	0.77
25.5	10.64 *	10.33 *	11.65 *	12.65 *	13.22 *	13.20 *	11.47 *	13.45 *	7.27 *	0.75
22.5	10.66 *	10.35 *	11.67 *	12.75 *	13.41 *	13.45 *	11.72 *	13.93 *	7.83 *	0.90
19.5	8.86 *	8.61 *	9.69 *	10.62 *	11.24 *	11.32 *	9.89 *	11.87 *	6.85 *	0.84
17	7.02 *	6.83 *	7.69 *	8.44 *	8.98 *	9.09 *	7.97 *	9.65 *	5.64 *	0.72
15	6.94 *	6.75 *	7.61 *	8.37 *	8.93 *	9.09 *	8.01 *	9.75 *	5.76 *	0.74
13	6.86 *	6.67 *	7.54 *	8.30 *	8.87 *	9.08 *	8.02 *	9.83 *	5.85 *	0.76
11	6.79 *	6.60 *	7.46 *	8.21 *	8.79 *	9.05 *	8.01 *	9.88 *	5.92 *	0.76
9	6.72 *	6.54 *	7.38 *	8.13 *	8.73 *	9.04 *	7.99 *	9.90 *	5.95 *	0.75
7	6.67 *	6.49 *	7.32 *	8.07 *	8.69 *	9.02 *	7.97 *	9.90 *	5.96 *	0.73
5	6.64 *	6.46 *	7.28 *	8.02 *	8.65 *	9.02 *	7.95 *	9.90 *	5.95 *	0.70
3	6.60 *	6.42 *	7.24 *	8.00 *	8.64 *	9.03 *	7.94 *	9.89 *	5.92 *	0.66
1	3.29 *	3.20 *	3.61 *	3.99 *	4.32 *	4.51 *	3.97 *	4.94 *	2.94 *	0.32
0	3.29 *	3.20 *	3.61 *	3.99 *	4.32 *	4.51 *	3.97 *	4.94 *	2.94 *	0.32
-1	6.60 *	6.42 *	7.24 *	8.00 *	8.64 *	9.03 *	7.94 *	9.89 *	5.92 *	0.66
-3	6.64 *	6.46 *	7.28 *	8.02 *	8.65 *	9.02 *	7.95 *	9.90 *	5.95 *	0.70
-5	6.67 *	6.49 *	7.32 *	8.07 *	8.69 *	9.02 *	7.97 *	9.90 *	5.96 *	0.73
-7	6.72 *	6.54 *	7.38 *	8.13 *	8.73 *	9.04 *	7.99 *	9.90 *	5.95 *	0.75
-9	6.79 *	6.60 *	7.46 *	8.21 *	8.79 *	9.05 *	8.01 *	9.88 *	5.92 *	0.76
-11	6.86 *	6.67 *	7.54 *	8.30 *	8.87 *	9.08 *	8.02 *	9.83 *	5.85 *	0.76
-13	6.94 *	6.75 *	7.61 *	8.37 *	8.93 *	9.09 *	8.01 *	9.75 *	5.76 *	0.74
-15	7.02 *	6.83 *	7.69 *	8.44 *	8.98 *	9.09 *	7.97 *	9.65 *	5.64 *	0.72
-17	8.86 *	8.61 *	9.69 *	10.62 *	11.24 *	11.32 *	9.89 *	11.87 *	6.85 *	0.84
-19.5	10.66 *	10.35 *	11.67 *	12.75 *	13.41 *	13.45 *	11.72 *	13.93 *	7.83 *	0.90

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	10.64 *	10.33 *	11.65 *	12.65 *	13.22 *	13.20 *	11.47 *	13.45 *	7.27 *	0.75
-25.5	12.41 *	11.99 *	13.50 *	14.55 *	15.07 *	14.91 *	12.93 *	14.97 *	7.79 *	0.77
-29	14.15 *	13.60 *	15.16 *	16.22 *	16.68 *	16.29 *	14.17 *	16.02 *	8.06 *	0.83
-33	15.74 *	15.08 *	16.63 *	17.61 *	17.91 *	17.38 *	15.05 *	16.29 *	7.88 *	0.88
-37.5	17.50 *	16.55 *	18.11 *	18.97 *	19.02 *	18.43 *	15.56 *	15.49 *	6.96 *	0.87
-42.5	17.89 *	16.72 *	18.07 *	18.62 *	18.41 *	17.60 *	14.14 *	12.10 *	4.62 *	0.74
-47.5	25.32 *	23.46 *	24.93 *	25.36 *	24.73 *	22.47 *	16.18 *	11.48 *	3.69	0.88
-55	25.39 *	23.07 *	24.00 *	23.55 *	21.31 *	16.80 *	10.07 *	6.42	2.37	0.80
-65	10.53 *	9.46 *	9.68 *	8.98 *	7.19 *	4.70	2.42	1.97	1.34	0.50
-75	1.61	1.54	1.70	1.78	1.83	1.85	1.57	1.74	1.24	0.39
-85	0.41	0.41	0.47	0.51	0.54	0.55	0.48	0.52	0.35	0.10
-90										
Total	457.25	434.24	476.83	503.46	510.33	491.77	406.99	439.75	232.30	30.77

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		6.74
85				
	0.07	0.00		26.40
75				
	0.11	0.00		148.80
65				
	0.16	0.00		365.01
55				
	0.16	0.00		378.67
47.5				
	0.13	0.00		275.75
42.5				
	0.15	0.00		275.75
37.5				
	0.15	0.00		252.66
33				
	0.15	0.00		230.62
29				
	0.14	0.00		204.93
25.5				
	0.12	0.00		177.96
22.5				
	0.13	0.00		180.26
19.5				
	0.11	0.00		151.07
17				
	0.09	0.00		120.50

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

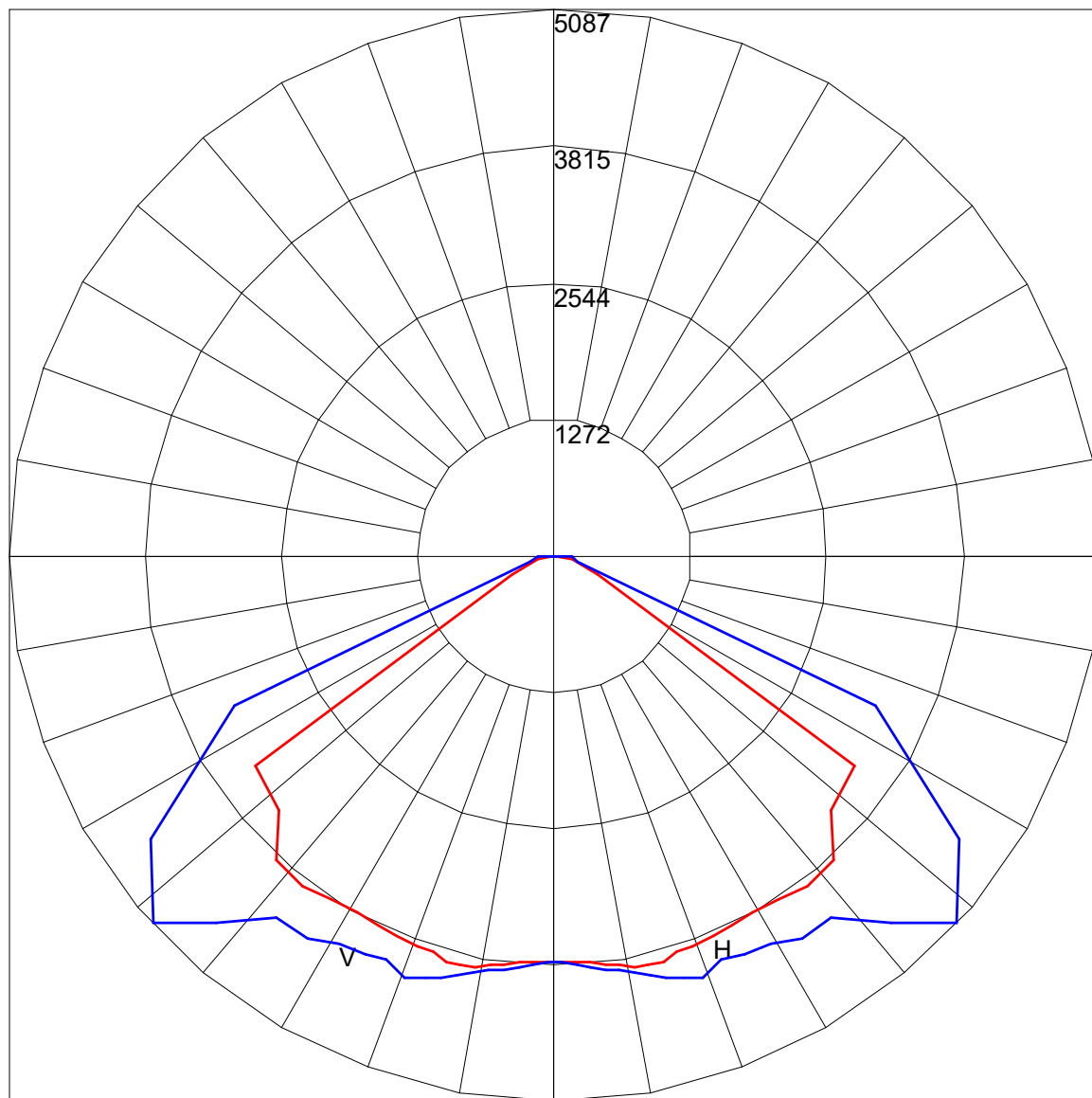
15	0.09	0.00	119.87
13	0.09	0.00	119.09
11	0.09	0.00	118.25
9	0.09	0.00	117.42
7	0.10	0.00	116.66
5	0.10	0.00	116.05
3	0.10	0.00	115.57
1	0.05	0.00	57.63
0	0.05	0.00	57.63
-1	0.10	0.00	115.57
-3	0.10	0.00	116.05
-5	0.10	0.00	116.66
-7	0.09	0.00	117.42
-9	0.09	0.00	118.25
-11	0.09	0.00	119.09
-13	0.09	0.00	119.87
-15	0.09	0.00	120.50
-17	0.11	0.00	151.07
-19.5	0.13	0.00	180.26
-22.5	0.12	0.00	177.96
-25.5	0.14	0.00	204.93
-29	0.15	0.00	230.62
-33	0.15	0.00	252.66
-37.5	0.15	0.00	275.75
-42.5	0.13	0.00	275.75
-47.5	0.16	0.00	378.67
-55	0.16	0.00	365.01
-65	0.11	0.00	148.80

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

LUMENS TABULATION - (Cont.)

-75	0.07	0.00	26.40
-85	0.01	0.00	6.74
-90			
Total	4.78	0.10	7351.29

AXIAL CANDELA DISPLAY

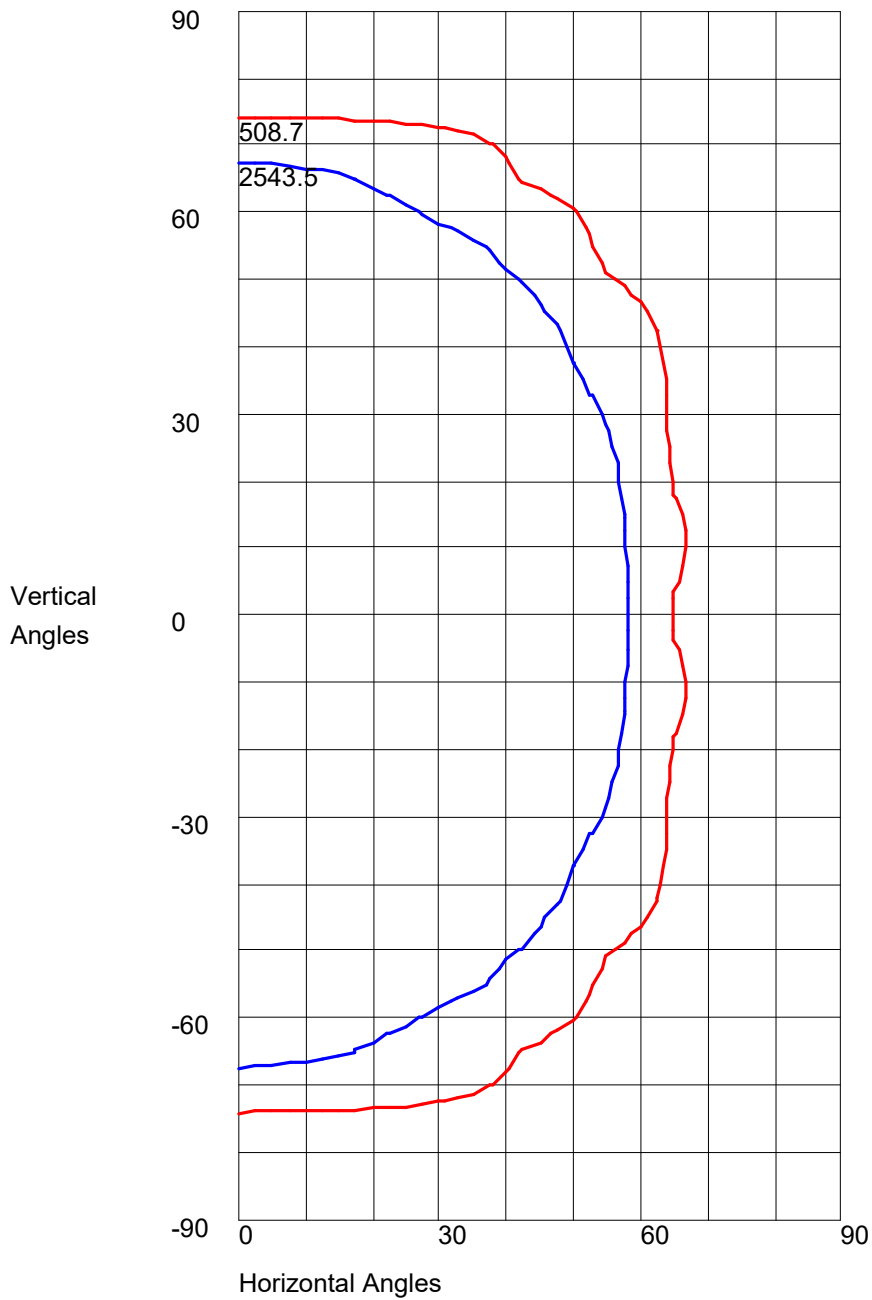


Maximum Candela = 5087 Located At Horizontal Angle = 0, Vertical Angle = -47.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 5087 Located At Horizontal Angle = 0, Vertical Angle = -47.5
50% Maximum Candela = 2543.5
10% Maximum Candela = 508.7