



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12460

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 03/05/21

[TEST DATE] 01/22/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-42L-PC-VWF-40-80

[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	7 H x 7 V
Maximum Candela	11033
Maximum Candela Angle	-47.5H -65V
Horizontal Beam Angle (50%)	137.8
Vertical Beam Angle (50%)	160.3
Horizontal Field Angle (10%)	167.6
Vertical Field Angle (10%)	175.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	30377
Beam Efficiency	N.A.
Field Lumens	39840
Field Efficiency	N.A.
Spill Lumens	78
Luminaire Lumens	39918
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	4	90	5
85	1882	85	2339
75	7577	75	7099
65	9855	65	9793
55	7567	55	8071
47.5	6409	47.5	6886
42.5	5844	42.5	6277
37.5	5238	37.5	5612
33	4804	33	5034
29	4513	29	4659
25.5	4319	25.5	4431
22.5	4184	22.5	4285
19.5	4077	19.5	4166
17	4003	17	4091
15	3953	15	4037
13	3911	13	3991
11	3874	11	3948
9	3842	9	3910
7	3816	7	3876
5	3795	5	3847
3	3784	3	3829
1	3788	1	3805
0	3793	0	3793
-1	3788	-1	3805
-3	3784	-3	3829
-5	3795	-5	3847
-7	3816	-7	3876
-9	3842	-9	3910
-11	3874	-11	3948
-13	3911	-13	3991
-15	3953	-15	4037
-17	4003	-17	4091
-19.5	4077	-19.5	4166
-22.5	4184	-22.5	4285
-25.5	4319	-25.5	4431
-29	4513	-29	4659
-33	4804	-33	5034
-37.5	5238	-37.5	5612
-42.5	5844	-42.5	6277
-47.5	6409	-47.5	6886
-55	7567	-55	8071
-65	9855	-65	9793
-75	7577	-75	7099
-85	1882	-85	2339
-90	4	-90	5

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CANDELA TABULATION

Maximum Candela = 11033

Beam Edge = 5516.5 Cd (50% of Max.)

Field Edge = 1103.3 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	1	3	5	5	6	6	6	6
85.0	0	176	709	1614 *	2432 *	2624 *	2723 *	2803 *	2880 *	2959 *
75.0	1	522	1901 *	4181 *	7312 *	8598 *	8929 *	8841 *	8597 *	8258 *
65.0	2	850	2976 *	7146 *	10588 *	11033 *	10853 *	10396 *	10131 *	9961 *
55.0	2	1145 *	4154 *	9045 *	10635 *	9763 *	9122 *	8652 *	8385 *	8196 *
47.5	3	1337 *	5012 *	9847 *	9959 *	8674 *	8048 *	7581 *	7320 *	7147 *
42.5	3	1451 *	5563 *	10154 *	9466 *	8138 *	7522 *	7085 *	6808 *	6651 *
37.5	3	1554 *	6037 *	10318 *	9015 *	7688 *	7095 *	6690 *	6440 *	6282 *
33.0	3	1635 *	6396 *	10323 *	8676 *	7373 *	6802 *	6406 *	6165 *	5943 *
29.0	3	1698 *	6673 *	10264 *	8413 *	7137 *	6580 *	6204 *	5904 *	5624 *
25.5	3	1745 *	6878 *	10239 *	8223 *	6964 *	6425 *	6031 *	5677 *	5383 *
22.5	4	1781 *	7026 *	10155 *	8074 *	6846 *	6308 *	5884 *	5498 *	5193 *
19.5	4	1811 *	7147 *	10075 *	7937 *	6737 *	6206 *	5744 *	5333 *	5028 *
17.0	4	1833 *	7262 *	10021 *	7852 *	6660 *	6128 *	5639 *	5215 *	4910 *
15.0	4	1847 *	7346 *	9986 *	7793 *	6608 *	6070 *	5562 *	5131 *	4824 *
13.0	4	1859 *	7418 *	9958 *	7742 *	6563 *	6017 *	5492 *	5052 *	4751 *
11.0	4	1903 *	7477 *	9937 *	7699 *	6525 *	5972 *	5430 *	4986 *	4686 *
9.0	4	1899 *	7524 *	9911 *	7666 *	6493 *	5934 *	5374 *	4931 *	4628 *
7.0	4	1896 *	7558 *	9891 *	7640 *	6469 *	5903 *	5327 *	4886 *	4586 *
5.0	4	1892 *	7618 *	9875 *	7607 *	6449 *	5879 *	5288 *	4850 *	4555 *
3.0	4	1888 *	7602 *	9859 *	7572 *	6417 *	5850 *	5260 *	4824 *	4532 *
1.0	4	1884 *	7585 *	9856 *	7569 *	6412 *	5846 *	5241 *	4808 *	4517 *
0.0	4	1882 *	7577 *	9855 *	7567 *	6409 *	5844 *	5238 *	4804 *	4513 *
-1.0	4	1884 *	7585 *	9856 *	7569 *	6412 *	5846 *	5241 *	4808 *	4517 *
-3.0	4	1888 *	7602 *	9859 *	7572 *	6417 *	5850 *	5260 *	4824 *	4532 *
-5.0	4	1892 *	7618 *	9875 *	7607 *	6449 *	5879 *	5288 *	4850 *	4555 *
-7.0	4	1896 *	7558 *	9891 *	7640 *	6469 *	5903 *	5327 *	4886 *	4586 *
-9.0	4	1899 *	7524 *	9911 *	7666 *	6493 *	5934 *	5374 *	4931 *	4628 *
-11.0	4	1903 *	7477 *	9937 *	7699 *	6525 *	5972 *	5430 *	4986 *	4686 *
-13.0	4	1859 *	7418 *	9958 *	7742 *	6563 *	6017 *	5492 *	5052 *	4751 *
-15.0	4	1847 *	7346 *	9986 *	7793 *	6608 *	6070 *	5562 *	5131 *	4824 *
-17.0	4	1833 *	7262 *	10021 *	7852 *	6660 *	6128 *	5639 *	5215 *	4910 *
-19.5	4	1811 *	7147 *	10075 *	7937 *	6737 *	6206 *	5744 *	5333 *	5028 *
-22.5	4	1781 *	7026 *	10155 *	8074 *	6846 *	6308 *	5884 *	5498 *	5193 *
-25.5	3	1745 *	6878 *	10239 *	8223 *	6964 *	6425 *	6031 *	5677 *	5383 *
-29.0	3	1698 *	6673 *	10264 *	8413 *	7137 *	6580 *	6204 *	5904 *	5624 *
-33.0	3	1635 *	6396 *	10323 *	8676 *	7373 *	6802 *	6406 *	6165 *	5943 *
-37.5	3	1554 *	6037 *	10318 *	9015 *	7688 *	7095 *	6690 *	6440 *	6282 *
-42.5	3	1451 *	5563 *	10154 *	9466 *	8138 *	7522 *	7085 *	6808 *	6651 *
-47.5	3	1337 *	5012 *	9847 *	9959 *	8674 *	8048 *	7581 *	7320 *	7147 *
-55.0	2	1145 *	4154 *	9045 *	10635 *	9763 *	9122 *	8652 *	8385 *	8196 *
-65.0	2	850	2976 *	7146 *	10588 *	11033 *	10853 *	10396 *	10131 *	9961 *
-75.0	1	522	1901 *	4181 *	7312 *	8598 *	8929 *	8841 *	8597 *	8258 *
-85.0	0	176	709	1614 *	2432 *	2624 *	2723 *	2803 *	2880 *	2959 *
-90.0	0	0	1	3	5	5	6	6	6	6

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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	7	7	6	6	6	6	6	5	5	5
85.0	3005 *	2931 *	2820 *	2718 *	2627 *	2582 *	2574 *	2507 *	2440 *	2372 *
75.0	7958 *	7791 *	7682 *	7582 *	7495 *	7439 *	7390 *	7338 *	7280 *	7244 *
65.0	9925 *	9871 *	9809 *	9788 *	9788 *	9793 *	9790 *	9790 *	9794 *	9800 *
55.0	8129 *	8082 *	8051 *	8042 *	8041 *	8047 *	8041 *	8033 *	8032 *	8039 *
47.5	7042 *	6998 *	6958 *	6936 *	6930 *	6927 *	6927 *	6908 *	6896 *	6890 *
42.5	6553 *	6496 *	6450 *	6416 *	6387 *	6362 *	6342 *	6319 *	6300 *	6289 *
37.5	6154 *	6049 *	5952 *	5873 *	5815 *	5764 *	5720 *	5682 *	5648 *	5627 *
33.0	5761 *	5616 *	5482 *	5378 *	5304 *	5235 *	5177 *	5128 *	5089 *	5058 *
29.0	5423 *	5262 *	5110 *	5005 *	4926 *	4862 *	4801 *	4748 *	4707 *	4679 *
25.5	5165 *	4999 *	4850 *	4744 *	4672 *	4609 *	4553 *	4510 *	4475 *	4449 *
22.5	4973 *	4806 *	4662 *	4564 *	4500 *	4442 *	4392 *	4356 *	4325 *	4301 *
19.5	4810 *	4646 *	4509 *	4421 *	4360 *	4311 *	4266 *	4233 *	4206 *	4185 *
17.0	4690 *	4538 *	4409 *	4323 *	4263 *	4220 *	4180 *	4149 *	4125 *	4106 *
15.0	4611 *	4462 *	4339 *	4252 *	4202 *	4156 *	4122 *	4091 *	4070 *	4052 *
13.0	4543 *	4395 *	4276 *	4197 *	4143 *	4103 *	4068 *	4041 *	4019 *	4003 *
11.0	4480 *	4335 *	4221 *	4144 *	4096 *	4055 *	4021 *	3993 *	3971 *	3956 *
9.0	4430 *	4291 *	4178 *	4102 *	4052 *	4013 *	3979 *	3949 *	3929 *	3914 *
7.0	4390 *	4254 *	4141 *	4067 *	4018 *	3976 *	3943 *	3914 *	3890 *	3879 *
5.0	4359 *	4224 *	4112 *	4038 *	3989 *	3948 *	3913 *	3884 *	3862 *	3845 *
3.0	4336 *	4201 *	4092 *	4017 *	3968 *	3926 *	3890 *	3861 *	3837 *	3822 *
1.0	4322 *	4186 *	4080 *	4005 *	3954 *	3912 *	3874 *	3843 *	3819 *	3800 *
0.0	4319 *	4184 *	4077 *	4003 *	3953 *	3911 *	3874 *	3842 *	3816 *	3795 *
-1.0	4322 *	4186 *	4080 *	4005 *	3954 *	3912 *	3874 *	3843 *	3819 *	3800 *
-3.0	4336 *	4201 *	4092 *	4017 *	3968 *	3926 *	3890 *	3861 *	3837 *	3822 *
-5.0	4359 *	4224 *	4112 *	4038 *	3989 *	3948 *	3913 *	3884 *	3862 *	3845 *
-7.0	4390 *	4254 *	4141 *	4067 *	4018 *	3976 *	3943 *	3914 *	3890 *	3879 *
-9.0	4430 *	4291 *	4178 *	4102 *	4052 *	4013 *	3979 *	3949 *	3929 *	3914 *
-11.0	4480 *	4335 *	4221 *	4144 *	4096 *	4055 *	4021 *	3993 *	3971 *	3956 *
-13.0	4543 *	4395 *	4276 *	4197 *	4143 *	4103 *	4068 *	4041 *	4019 *	4003 *
-15.0	4611 *	4462 *	4339 *	4252 *	4202 *	4156 *	4122 *	4091 *	4070 *	4052 *
-17.0	4690 *	4538 *	4409 *	4323 *	4263 *	4220 *	4180 *	4149 *	4125 *	4106 *
-19.5	4810 *	4646 *	4509 *	4421 *	4360 *	4311 *	4266 *	4233 *	4206 *	4185 *
-22.5	4973 *	4806 *	4662 *	4564 *	4500 *	4442 *	4392 *	4356 *	4325 *	4301 *
-25.5	5165 *	4999 *	4850 *	4744 *	4672 *	4609 *	4553 *	4510 *	4475 *	4449 *
-29.0	5423 *	5262 *	5110 *	5005 *	4926 *	4862 *	4801 *	4748 *	4707 *	4679 *
-33.0	5761 *	5616 *	5482 *	5378 *	5304 *	5235 *	5177 *	5128 *	5089 *	5058 *
-37.5	6154 *	6049 *	5952 *	5873 *	5815 *	5764 *	5720 *	5682 *	5648 *	5627 *
-42.5	6553 *	6496 *	6450 *	6416 *	6387 *	6362 *	6342 *	6319 *	6300 *	6289 *
-47.5	7042 *	6998 *	6958 *	6936 *	6930 *	6927 *	6927 *	6908 *	6896 *	6890 *
-55.0	8129 *	8082 *	8051 *	8042 *	8041 *	8047 *	8041 *	8033 *	8032 *	8039 *
-65.0	9925 *	9871 *	9809 *	9788 *	9788 *	9793 *	9790 *	9790 *	9794 *	9800 *
-75.0	7958 *	7791 *	7682 *	7582 *	7495 *	7439 *	7390 *	7338 *	7280 *	7244 *
-85.0	3005 *	2931 *	2820 *	2718 *	2627 *	2582 *	2574 *	2507 *	2440 *	2372 *
-90.0	7	7	6	6	6	6	6	5	5	5

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	5	5	5	5	5	5	5	5	6	6
85.0	2359 *	2346 *	2339 *	2346 *	2359 *	2372 *	2440 *	2507 *	2574 *	2582 *
75.0	7184 *	7127 *	7099 *	7127 *	7184 *	7244 *	7280 *	7338 *	7390 *	7439 *
65.0	9802 *	9796 *	9793 *	9796 *	9802 *	9800 *	9794 *	9790 *	9790 *	9793 *

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CANDELA TABULATION - (Cont.)

55.0	8037 *	8060 *	8071 *	8060 *	8037 *	8039 *	8032 *	8033 *	8041 *	8047 *
47.5	6877 *	6883 *	6886 *	6883 *	6877 *	6890 *	6896 *	6908 *	6927 *	6927 *
42.5	6274 *	6276 *	6277 *	6276 *	6274 *	6289 *	6300 *	6319 *	6342 *	6362 *
37.5	5618 *	5609 *	5612 *	5609 *	5618 *	5627 *	5648 *	5682 *	5720 *	5764 *
33.0	5038 *	5032 *	5034 *	5032 *	5038 *	5058 *	5089 *	5128 *	5177 *	5235 *
29.0	4659 *	4656 *	4659 *	4656 *	4659 *	4679 *	4707 *	4748 *	4801 *	4862 *
25.5	4431 *	4427 *	4431 *	4427 *	4431 *	4449 *	4475 *	4510 *	4553 *	4609 *
22.5	4286 *	4281 *	4285 *	4281 *	4286 *	4301 *	4325 *	4356 *	4392 *	4442 *
19.5	4171 *	4165 *	4166 *	4165 *	4171 *	4185 *	4206 *	4233 *	4266 *	4311 *
17.0	4093 *	4089 *	4091 *	4089 *	4093 *	4106 *	4125 *	4149 *	4180 *	4220 *
15.0	4040 *	4035 *	4037 *	4035 *	4040 *	4052 *	4070 *	4091 *	4122 *	4156 *
13.0	3992 *	3988 *	3991 *	3988 *	3992 *	4003 *	4019 *	4041 *	4068 *	4103 *
11.0	3948 *	3945 *	3948 *	3945 *	3948 *	3956 *	3971 *	3993 *	4021 *	4055 *
9.0	3907 *	3906 *	3910 *	3906 *	3907 *	3914 *	3929 *	3949 *	3979 *	4013 *
7.0	3869 *	3871 *	3876 *	3871 *	3869 *	3879 *	3890 *	3914 *	3943 *	3976 *
5.0	3840 *	3840 *	3847 *	3840 *	3840 *	3845 *	3862 *	3884 *	3913 *	3948 *
3.0	3813 *	3820 *	3829 *	3820 *	3813 *	3822 *	3837 *	3861 *	3890 *	3926 *
1.0	3794 *	3797 *	3805 *	3797 *	3794 *	3800 *	3819 *	3843 *	3874 *	3912 *
0.0	3784 *	3788 *	3793 *	3788 *	3784 *	3795 *	3816 *	3842 *	3874 *	3911 *
-1.0	3794 *	3797 *	3805 *	3797 *	3794 *	3800 *	3819 *	3843 *	3874 *	3912 *
-3.0	3813 *	3820 *	3829 *	3820 *	3813 *	3822 *	3837 *	3861 *	3890 *	3926 *
-5.0	3840 *	3840 *	3847 *	3840 *	3840 *	3845 *	3862 *	3884 *	3913 *	3948 *
-7.0	3869 *	3871 *	3876 *	3871 *	3869 *	3879 *	3890 *	3914 *	3943 *	3976 *
-9.0	3907 *	3906 *	3910 *	3906 *	3907 *	3914 *	3929 *	3949 *	3979 *	4013 *
-11.0	3948 *	3945 *	3948 *	3945 *	3948 *	3956 *	3971 *	3993 *	4021 *	4055 *
-13.0	3992 *	3988 *	3991 *	3988 *	3992 *	4003 *	4019 *	4041 *	4068 *	4103 *
-15.0	4040 *	4035 *	4037 *	4035 *	4040 *	4052 *	4070 *	4091 *	4122 *	4156 *
-17.0	4093 *	4089 *	4091 *	4089 *	4093 *	4106 *	4125 *	4149 *	4180 *	4220 *
-19.5	4171 *	4165 *	4166 *	4165 *	4171 *	4185 *	4206 *	4233 *	4266 *	4311 *
-22.5	4286 *	4281 *	4285 *	4281 *	4286 *	4301 *	4325 *	4356 *	4392 *	4442 *
-25.5	4431 *	4427 *	4431 *	4427 *	4431 *	4449 *	4475 *	4510 *	4553 *	4609 *
-29.0	4659 *	4656 *	4659 *	4656 *	4659 *	4679 *	4707 *	4748 *	4801 *	4862 *
-33.0	5038 *	5032 *	5034 *	5032 *	5038 *	5058 *	5089 *	5128 *	5177 *	5235 *
-37.5	5618 *	5609 *	5612 *	5609 *	5618 *	5627 *	5648 *	5682 *	5720 *	5764 *
-42.5	6274 *	6276 *	6277 *	6276 *	6274 *	6289 *	6300 *	6319 *	6342 *	6362 *
-47.5	6877 *	6883 *	6886 *	6883 *	6877 *	6890 *	6896 *	6908 *	6927 *	6927 *
-55.0	8037 *	8060 *	8071 *	8060 *	8037 *	8039 *	8032 *	8033 *	8041 *	8047 *
-65.0	9802 *	9796 *	9793 *	9796 *	9802 *	9800 *	9794 *	9790 *	9790 *	9793 *
-75.0	7184 *	7127 *	7099 *	7127 *	7184 *	7244 *	7280 *	7338 *	7390 *	7439 *
-85.0	2359 *	2346 *	2339 *	2346 *	2359 *	2372 *	2440 *	2507 *	2574 *	2582 *
-90.0	5	5	5	5	5	5	5	5	6	6

Vert. Horizontal Angles
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	6	6	6	7	7	6	6	6	6	5
85.0	2627 *	2718 *	2820 *	2931 *	3005 *	2959 *	2880 *	2803 *	2723 *	2624 *
75.0	7495 *	7582 *	7682 *	7791 *	7958 *	8258 *	8597 *	8841 *	8929 *	8598 *
65.0	9788 *	9788 *	9809 *	9871 *	9925 *	9961 *	10131 *	10396 *	10853 *	11033 *
55.0	8041 *	8042 *	8051 *	8082 *	8129 *	8196 *	8385 *	8652 *	9122 *	9763 *
47.5	6930 *	6936 *	6958 *	6998 *	7042 *	7147 *	7320 *	7581 *	8048 *	8674 *
42.5	6387 *	6416 *	6450 *	6496 *	6553 *	6651 *	6808 *	7085 *	7522 *	8138 *
37.5	5815 *	5873 *	5952 *	6049 *	6154 *	6282 *	6440 *	6690 *	7095 *	7688 *
33.0	5304 *	5378 *	5482 *	5616 *	5761 *	5943 *	6165 *	6406 *	6802 *	7373 *
29.0	4926 *	5005 *	5110 *	5262 *	5423 *	5624 *	5904 *	6204 *	6580 *	7137 *
25.5	4672 *	4744 *	4850 *	4999 *	5165 *	5383 *	5677 *	6031 *	6425 *	6964 *

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

CANDELA TABULATION - (Cont.)

22.5	4500 *	4564 *	4662 *	4806 *	4973 *	5193 *	5498 *	5884 *	6308 *	6846 *
19.5	4360 *	4421 *	4509 *	4646 *	4810 *	5028 *	5333 *	5744 *	6206 *	6737 *
17.0	4263 *	4323 *	4409 *	4538 *	4690 *	4910 *	5215 *	5639 *	6128 *	6660 *
15.0	4202 *	4252 *	4339 *	4462 *	4611 *	4824 *	5131 *	5562 *	6070 *	6608 *
13.0	4143 *	4197 *	4276 *	4395 *	4543 *	4751 *	5052 *	5492 *	6017 *	6563 *
11.0	4096 *	4144 *	4221 *	4335 *	4480 *	4686 *	4986 *	5430 *	5972 *	6525 *
9.0	4052 *	4102 *	4178 *	4291 *	4430 *	4628 *	4931 *	5374 *	5934 *	6493 *
7.0	4018 *	4067 *	4141 *	4254 *	4390 *	4586 *	4886 *	5327 *	5903 *	6469 *
5.0	3989 *	4038 *	4112 *	4224 *	4359 *	4555 *	4850 *	5288 *	5879 *	6449 *
3.0	3968 *	4017 *	4092 *	4201 *	4336 *	4532 *	4824 *	5260 *	5850 *	6417 *
1.0	3954 *	4005 *	4080 *	4186 *	4322 *	4517 *	4808 *	5241 *	5846 *	6412 *
0.0	3953 *	4003 *	4077 *	4184 *	4319 *	4513 *	4804 *	5238 *	5844 *	6409 *
-1.0	3954 *	4005 *	4080 *	4186 *	4322 *	4517 *	4808 *	5241 *	5846 *	6412 *
-3.0	3968 *	4017 *	4092 *	4201 *	4336 *	4532 *	4824 *	5260 *	5850 *	6417 *
-5.0	3989 *	4038 *	4112 *	4224 *	4359 *	4555 *	4850 *	5288 *	5879 *	6449 *
-7.0	4018 *	4067 *	4141 *	4254 *	4390 *	4586 *	4886 *	5327 *	5903 *	6469 *
-9.0	4052 *	4102 *	4178 *	4291 *	4430 *	4628 *	4931 *	5374 *	5934 *	6493 *
-11.0	4096 *	4144 *	4221 *	4335 *	4480 *	4686 *	4986 *	5430 *	5972 *	6525 *
-13.0	4143 *	4197 *	4276 *	4395 *	4543 *	4751 *	5052 *	5492 *	6017 *	6563 *
-15.0	4202 *	4252 *	4339 *	4462 *	4611 *	4824 *	5131 *	5562 *	6070 *	6608 *
-17.0	4263 *	4323 *	4409 *	4538 *	4690 *	4910 *	5215 *	5639 *	6128 *	6660 *
-19.5	4360 *	4421 *	4509 *	4646 *	4810 *	5028 *	5333 *	5744 *	6206 *	6737 *
-22.5	4500 *	4564 *	4662 *	4806 *	4973 *	5193 *	5498 *	5884 *	6308 *	6846 *
-25.5	4672 *	4744 *	4850 *	4999 *	5165 *	5383 *	5677 *	6031 *	6425 *	6964 *
-29.0	4926 *	5005 *	5110 *	5262 *	5423 *	5624 *	5904 *	6204 *	6580 *	7137 *
-33.0	5304 *	5378 *	5482 *	5616 *	5761 *	5943 *	6165 *	6406 *	6802 *	7373 *
-37.5	5815 *	5873 *	5952 *	6049 *	6154 *	6282 *	6440 *	6690 *	7095 *	7688 *
-42.5	6387 *	6416 *	6450 *	6496 *	6553 *	6651 *	6808 *	7085 *	7522 *	8138 *
-47.5	6930 *	6936 *	6958 *	6998 *	7042 *	7147 *	7320 *	7581 *	8048 *	8674 *
-55.0	8041 *	8042 *	8051 *	8082 *	8129 *	8196 *	8385 *	8652 *	9122 *	9763 *
-65.0	9788 *	9788 *	9809 *	9871 *	9925 *	9961 *	10131 *	10396 *	10853 *	11033 *
-75.0	7495 *	7582 *	7682 *	7791 *	7958 *	8258 *	8597 *	8841 *	8929 *	8598 *
-85.0	2627 *	2718 *	2820 *	2931 *	3005 *	2959 *	2880 *	2803 *	2723 *	2624 *
-90.0	6	6	6	7	7	6	6	6	6	5

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	5	3	1	0	0
85.0	2432 *	1614 *	709	176	0
75.0	7312 *	4181 *	1901 *	522	1
65.0	10588 *	7146 *	2976 *	850	2
55.0	10635 *	9045 *	4154 *	1145 *	2
47.5	9959 *	9847 *	5012 *	1337 *	3
42.5	9466 *	10154 *	5563 *	1451 *	3
37.5	9015 *	10318 *	6037 *	1554 *	3
33.0	8676 *	10323 *	6396 *	1635 *	3
29.0	8413 *	10264 *	6673 *	1698 *	3
25.5	8223 *	10239 *	6878 *	1745 *	3
22.5	8074 *	10155 *	7026 *	1781 *	4
19.5	7937 *	10075 *	7147 *	1811 *	4
17.0	7852 *	10021 *	7262 *	1833 *	4
15.0	7793 *	9986 *	7346 *	1847 *	4
13.0	7742 *	9958 *	7418 *	1859 *	4
11.0	7699 *	9937 *	7477 *	1903 *	4
9.0	7666 *	9911 *	7524 *	1899 *	4

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

CANDELA TABULATION - (Cont.)

7.0	7640 *	9891 *	7558 *	1896 *	4
5.0	7607 *	9875 *	7618 *	1892 *	4
3.0	7572 *	9859 *	7602 *	1888 *	4
1.0	7569 *	9856 *	7585 *	1884 *	4
0.0	7567 *	9855 *	7577 *	1882 *	4
-1.0	7569 *	9856 *	7585 *	1884 *	4
-3.0	7572 *	9859 *	7602 *	1888 *	4
-5.0	7607 *	9875 *	7618 *	1892 *	4
-7.0	7640 *	9891 *	7558 *	1896 *	4
-9.0	7666 *	9911 *	7524 *	1899 *	4
-11.0	7699 *	9937 *	7477 *	1903 *	4
-13.0	7742 *	9958 *	7418 *	1859 *	4
-15.0	7793 *	9986 *	7346 *	1847 *	4
-17.0	7852 *	10021 *	7262 *	1833 *	4
-19.5	7937 *	10075 *	7147 *	1811 *	4
-22.5	8074 *	10155 *	7026 *	1781 *	4
-25.5	8223 *	10239 *	6878 *	1745 *	3
-29.0	8413 *	10264 *	6673 *	1698 *	3
-33.0	8676 *	10323 *	6396 *	1635 *	3
-37.5	9015 *	10318 *	6037 *	1554 *	3
-42.5	9466 *	10154 *	5563 *	1451 *	3
-47.5	9959 *	9847 *	5012 *	1337 *	3
-55.0	10635 *	9045 *	4154 *	1145 *	2
-65.0	10588 *	7146 *	2976 *	850	2
-75.0	7312 *	4181 *	1901 *	522	1
-85.0	2432 *	1614 *	709	176	0
-90.0	5	3	1	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19958.77

Total Field Lumens (one side of beam only) = 19919.95

* 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	1.79 *	3.59 *	3.60 *	3.65 *	3.74 *	3.82 *	3.85 *	3.86 *	3.92 *	5.02 *
75	14.40 *	28.94 *	29.11 *	29.29 *	29.51 *	29.71 *	29.77 *	29.77 *	29.90 *	37.61 *
65	25.75 *	51.61 *	51.70 *	51.68 *	51.58 *	51.46 *	51.26 *	51.01 *	50.73 *	63.03 *
55	27.20 *	54.33 *	54.21 *	54.02 *	53.77 *	53.48 *	53.14 *	52.71 *	52.21 *	64.53 *
47.5	17.08 *	34.08 *	34.01 *	33.92 *	33.79 *	33.64 *	33.45 *	33.19 *	32.88 *	40.66 *
42.5	10.02 *	20.02 *	20.00 *	19.97 *	19.93 *	19.87 *	19.78 *	19.66 *	19.52 *	24.19 *
37.5	9.05 *	18.10 *	18.09 *	18.07 *	18.06 *	18.05 *	18.02 *	17.98 *	17.93 *	22.32 *
33	7.29 *	14.59 *	14.59 *	14.60 *	14.62 *	14.65 *	14.68 *	14.71 *	14.74 *	18.46 *
29	5.90 *	11.80 *	11.81 *	11.83 *	11.87 *	11.91 *	11.96 *	12.02 *	12.07 *	15.17 *
25.5	4.84 *	9.68 *	9.69 *	9.71 *	9.73 *	9.77 *	9.82 *	9.86 *	9.91 *	12.47 *
22.5	3.98 *	7.96 *	7.96 *	7.97 *	7.99 *	8.01 *	8.04 *	8.08 *	8.12 *	10.21 *
19.5	3.86 *	7.72 *	7.72 *	7.73 *	7.75 *	7.76 *	7.78 *	7.81 *	7.84 *	9.85 *
17	3.14 *	6.29 *	6.29 *	6.29 *	6.30 *	6.31 *	6.32 *	6.34 *	6.36 *	7.98 *
15	2.48 *	4.95 *	4.95 *	4.95 *	4.96 *	4.96 *	4.97 *	4.98 *	4.99 *	6.26 *
13	2.44 *	4.89 *	4.89 *	4.89 *	4.89 *	4.90 *	4.90 *	4.91 *	4.92 *	6.17 *
11	2.42 *	4.83 *	4.83 *	4.83 *	4.83 *	4.84 *	4.84 *	4.85 *	4.85 *	6.09 *
9	2.39 *	4.78 *	4.78 *	4.78 *	4.78 *	4.78 *	4.79 *	4.79 *	4.80 *	6.02 *
7	2.37 *	4.73 *	4.73 *	4.73 *	4.73 *	4.74 *	4.74 *	4.75 *	4.75 *	5.96 *
5	2.35 *	4.69 *	4.69 *	4.69 *	4.69 *	4.70 *	4.70 *	4.71 *	4.72 *	5.91 *
3	2.34 *	4.66 *	4.66 *	4.65 *	4.66 *	4.66 *	4.67 *	4.68 *	4.69 *	5.88 *
1	2.32 *	4.63 *	4.63 *	4.63 *	4.63 *	4.64 *	4.65 *	4.66 *	4.67 *	5.86 *
0	1.16 *	2.31 *	2.31 *	2.31 *	2.31 *	2.31 *	2.32 *	2.32 *	2.33 *	2.92 *
-1	1.16 *	2.31 *	2.31 *	2.31 *	2.31 *	2.31 *	2.32 *	2.32 *	2.33 *	2.92 *
	2.32 *	4.63 *	4.63 *	4.63 *	4.63 *	4.64 *	4.65 *	4.66 *	4.67 *	5.86 *

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

LUMENS TABULATION - (Cont.)

-3	2.34 *	4.66 *	4.66 *	4.65 *	4.66 *	4.66 *	4.67 *	4.68 *	4.69 *	5.88 *
-5	2.35 *	4.69 *	4.69 *	4.69 *	4.69 *	4.70 *	4.70 *	4.71 *	4.72 *	5.91 *
-7	2.37 *	4.73 *	4.73 *	4.73 *	4.73 *	4.74 *	4.74 *	4.75 *	4.75 *	5.96 *
-9	2.39 *	4.78 *	4.78 *	4.78 *	4.78 *	4.78 *	4.79 *	4.79 *	4.80 *	6.02 *
-11	2.42 *	4.83 *	4.83 *	4.83 *	4.83 *	4.84 *	4.84 *	4.85 *	4.85 *	6.09 *
-13	2.44 *	4.89 *	4.89 *	4.89 *	4.89 *	4.90 *	4.90 *	4.91 *	4.92 *	6.17 *
-15	2.48 *	4.95 *	4.95 *	4.95 *	4.96 *	4.96 *	4.97 *	4.98 *	4.99 *	6.26 *
-17	3.14 *	6.29 *	6.29 *	6.29 *	6.30 *	6.31 *	6.32 *	6.34 *	6.36 *	7.98 *
-19.5	3.86 *	7.72 *	7.72 *	7.73 *	7.75 *	7.76 *	7.78 *	7.81 *	7.84 *	9.85 *
-22.5	3.98 *	7.96 *	7.96 *	7.97 *	7.99 *	8.01 *	8.04 *	8.08 *	8.12 *	10.21 *
-25.5	4.84 *	9.68 *	9.69 *	9.71 *	9.73 *	9.77 *	9.82 *	9.86 *	9.91 *	12.47 *
-29	5.90 *	11.80 *	11.81 *	11.83 *	11.87 *	11.91 *	11.96 *	12.02 *	12.07 *	15.17 *
-33	7.29 *	14.59 *	14.59 *	14.60 *	14.62 *	14.65 *	14.68 *	14.71 *	14.74 *	18.46 *
-37.5	9.05 *	18.10 *	18.09 *	18.07 *	18.06 *	18.05 *	18.02 *	17.98 *	17.93 *	22.32 *
-42.5	10.02 *	20.02 *	20.00 *	19.97 *	19.93 *	19.87 *	19.78 *	19.66 *	19.52 *	24.19 *
-47.5	17.08 *	34.08 *	34.01 *	33.92 *	33.79 *	33.64 *	33.45 *	33.19 *	32.88 *	40.66 *
-55	27.20 *	54.33 *	54.21 *	54.02 *	53.77 *	53.48 *	53.14 *	52.71 *	52.21 *	64.53 *
-65	25.75 *	51.61 *	51.70 *	51.68 *	51.58 *	51.46 *	51.26 *	51.01 *	50.73 *	63.03 *
-75	14.40 *	28.94 *	29.11 *	29.29 *	29.51 *	29.71 *	29.77 *	29.77 *	29.90 *	37.61 *
-85	1.79 *	3.59 *	3.60 *	3.65 *	3.74 *	3.82 *	3.85 *	3.86 *	3.92 *	5.02 *
-90										
Total	309.16	618.38	618.45	618.41	618.23	617.94	616.92	615.23	613.69	765.12

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	6.15 *	6.21 *	7.08 *	7.64 *	7.97 *	8.07 *	7.21 *	9.05 *	7.71	3.03
85	45.26 *	45.25 *	52.55 *	59.24 *	64.69 *	67.93 *	61.57 *	74.90 *	59.09 *	21.86 *
75	74.97 *	74.18 *	85.53 *	96.45 *	106.22 *	113.78 *	106.08 *	134.08 *	111.15 *	42.15 *
65	76.38 *	75.14 *	85.79 *	95.74 *	105.10 *	113.79 *	109.74 *	150.11 *	142.28 *	60.67 *
55	48.13 *	47.35 *	54.22 *	60.79 *	67.02 *	73.05 *	71.88 *	104.58 *	112.62 *	54.74 *

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

LUMENS TABULATION - (Cont.)

47.5										
	28.69 *	28.27 *	32.45 *	36.45 *	40.28 *	44.08 *	43.58 *	64.73 *	74.97 *	39.77 *
42.5										
	26.60 *	26.35 *	30.37 *	34.17 *	37.80 *	41.39 *	40.97 *	61.28 *	74.07 *	41.71 *
37.5										
	22.17 *	22.14 *	25.74 *	29.17 *	32.36 *	35.42 *	35.07 *	52.65 *	65.60 *	38.72 *
33										
	18.32 *	18.42 *	21.56 *	24.68 *	27.62 *	30.32 *	30.03 *	45.15 *	57.31 *	35.02 *
29										
	15.09 *	15.23 *	17.91 *	20.64 *	23.32 *	25.76 *	25.54 *	38.43 *	49.43 *	31.00 *
25.5										
	12.36 *	12.49 *	14.72 *	17.03 *	19.38 *	21.56 *	21.43 *	32.27 *	41.86 *	26.77 *
22.5										
	11.91 *	12.04 *	14.22 *	16.49 *	18.85 *	21.12 *	21.07 *	31.72 *	41.35 *	26.85 *
19.5										
	9.65 *	9.75 *	11.51 *	13.37 *	15.34 *	17.29 *	17.31 *	26.07 *	34.12 *	22.44 *
17										
	7.57 *	7.64 *	9.02 *	10.48 *	12.06 *	13.65 *	13.71 *	20.66 *	27.12 *	18.01 *
15										
	7.45 *	7.52 *	8.87 *	10.32 *	11.88 *	13.50 *	13.60 *	20.51 *	26.98 *	18.06 *
13										
	7.35 *	7.41 *	8.75 *	10.17 *	11.73 *	13.36 *	13.50 *	20.38 *	26.88 *	18.10 *
11										
	7.26 *	7.32 *	8.64 *	10.04 *	11.59 *	13.24 *	13.42 *	20.28 *	26.78 *	18.13 *
9										
	7.19 *	7.25 *	8.55 *	9.94 *	11.48 *	13.14 *	13.35 *	20.20 *	26.70 *	18.15 *
7										
	7.14 *	7.19 *	8.48 *	9.86 *	11.39 *	13.06 *	13.30 *	20.12 *	26.63 *	18.18 *
5										
	7.09 *	7.15 *	8.43 *	9.80 *	11.32 *	12.99 *	13.24 *	20.04 *	26.55 *	18.19 *
3										
	7.06 *	7.11 *	8.39 *	9.75 *	11.27 *	12.95 *	13.20 *	19.98 *	26.51 *	18.16 *
1										
	3.52 *	3.55 *	4.19 *	4.87 *	5.62 *	6.46 *	6.60 *	9.99 *	13.25 *	9.07 *
0										
	3.52 *	3.55 *	4.19 *	4.87 *	5.62 *	6.46 *	6.60 *	9.99 *	13.25 *	9.07 *
-1										
	7.06 *	7.11 *	8.39 *	9.75 *	11.27 *	12.95 *	13.20 *	19.98 *	26.51 *	18.16 *
-3										
	7.09 *	7.15 *	8.43 *	9.80 *	11.32 *	12.99 *	13.24 *	20.04 *	26.55 *	18.19 *
-5										
	7.14 *	7.19 *	8.48 *	9.86 *	11.39 *	13.06 *	13.30 *	20.12 *	26.63 *	18.18 *
-7										
	7.19 *	7.25 *	8.55 *	9.94 *	11.48 *	13.14 *	13.35 *	20.20 *	26.70 *	18.15 *
-9										
	7.26 *	7.32 *	8.64 *	10.04 *	11.59 *	13.24 *	13.42 *	20.28 *	26.78 *	18.13 *
-11										
	7.35 *	7.41 *	8.75 *	10.17 *	11.73 *	13.36 *	13.50 *	20.38 *	26.88 *	18.10 *
-13										
	7.45 *	7.52 *	8.87 *	10.32 *	11.88 *	13.50 *	13.60 *	20.51 *	26.98 *	18.06 *
-15										
	7.57 *	7.64 *	9.02 *	10.48 *	12.06 *	13.65 *	13.71 *	20.66 *	27.12 *	18.01 *
-17										
	9.65 *	9.75 *	11.51 *	13.37 *	15.34 *	17.29 *	17.31 *	26.07 *	34.12 *	22.44 *
-19.5										
	11.91 *	12.04 *	14.22 *	16.49 *	18.85 *	21.12 *	21.07 *	31.72 *	41.35 *	26.85 *

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

LUMENS TABULATION - (Cont.)

-22.5	12.36 *	12.49 *	14.72 *	17.03 *	19.38 *	21.56 *	21.43 *	32.27 *	41.86 *	26.77 *
-25.5	15.09 *	15.23 *	17.91 *	20.64 *	23.32 *	25.76 *	25.54 *	38.43 *	49.43 *	31.00 *
-29	18.32 *	18.42 *	21.56 *	24.68 *	27.62 *	30.32 *	30.03 *	45.15 *	57.31 *	35.02 *
-33	22.17 *	22.14 *	25.74 *	29.17 *	32.36 *	35.42 *	35.07 *	52.65 *	65.60 *	38.72 *
-37.5	26.60 *	26.35 *	30.37 *	34.17 *	37.80 *	41.39 *	40.97 *	61.28 *	74.07 *	41.71 *
-42.5	28.69 *	28.27 *	32.45 *	36.45 *	40.28 *	44.08 *	43.58 *	64.73 *	74.97 *	39.77 *
-47.5	48.13 *	47.35 *	54.22 *	60.79 *	67.02 *	73.05 *	71.88 *	104.58 *	112.62 *	54.74 *
-55	76.38 *	75.14 *	85.79 *	95.74 *	105.10 *	113.79 *	109.74 *	150.11 *	142.28 *	60.67 *
-65	74.97 *	74.18 *	85.53 *	96.45 *	106.22 *	113.78 *	106.08 *	134.08 *	111.15 *	42.15 *
-75	45.26 *	45.25 *	52.55 *	59.24 *	64.69 *	67.93 *	61.57 *	74.90 *	59.09 *	21.86 *
-85	6.15 *	6.21 *	7.08 *	7.64 *	7.97 *	8.07 *	7.21 *	9.05 *	7.71	3.03
-90										
Total	914.62	909.88	1053.92	1194.16	1328.58	1451.84	1410.8	1994.35	2197.91	1197.54

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.59	0.01	107.54
85			
	4.37	0.12	844.85
75			
	8.25 *	0.23	1452.89
65			
	12.05 *	0.33	1546.7
55			
	11.54 *	0.31	1032.92
47.5			
	8.82 *	0.23	635.29
42.5			
	9.64 *	0.25	600.27
37.5			
	9.28 *	0.24	511.49
33			
	8.67 *	0.22	433.66
29			
	7.86 *	0.20	365.90
25.5			
	6.91 *	0.18	305.28
22.5			
	7.04 *	0.18	298.65
19.5			
	5.96 *	0.15	244.58
17			
	4.83 *	0.12	193.31

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

LUMENS TABULATION - (Cont.)

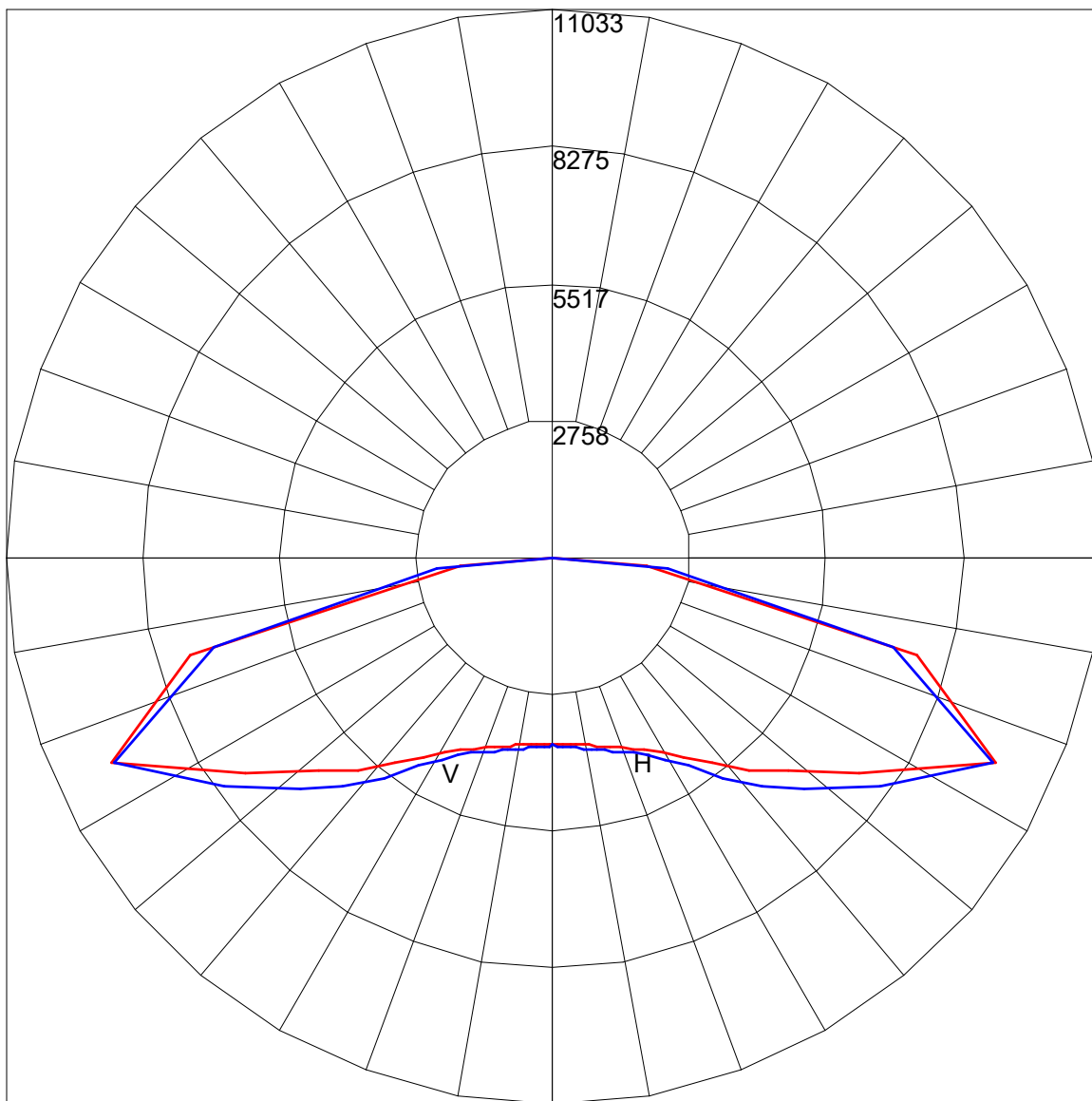
15			
	4.88 *	0.12	191.49
13			
	4.93 *	0.13	189.89
11			
	4.97 *	0.13	188.49
9			
	4.99 *	0.13	187.29
7			
	5.01 *	0.13	186.32
5			
	5.02 *	0.13	185.48
3			
	5.01 *	0.13	184.84
1			
	2.50 *	0.06	92.28
0			
	2.50 *	0.06	92.28
-1			
	5.01 *	0.13	184.84
-3			
	5.02 *	0.13	185.48
-5			
	5.01 *	0.13	186.32
-7			
	4.99 *	0.13	187.29
-9			
	4.97 *	0.13	188.49
-11			
	4.93 *	0.13	189.89
-13			
	4.88 *	0.12	191.49
-15			
	4.83 *	0.12	193.31
-17			
	5.96 *	0.15	244.58
-19.5			
	7.04 *	0.18	298.65
-22.5			
	6.91 *	0.18	305.28
-25.5			
	7.86 *	0.20	365.90
-29			
	8.67 *	0.22	433.66
-33			
	9.28 *	0.24	511.49
-37.5			
	9.64 *	0.25	600.27
-42.5			
	8.82 *	0.23	635.29
-47.5			
	11.54 *	0.31	1032.92
-55			
	12.05 *	0.33	1546.7
-65			
	8.25 *	0.23	1452.89

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

LUMENS TABULATION - (Cont.)

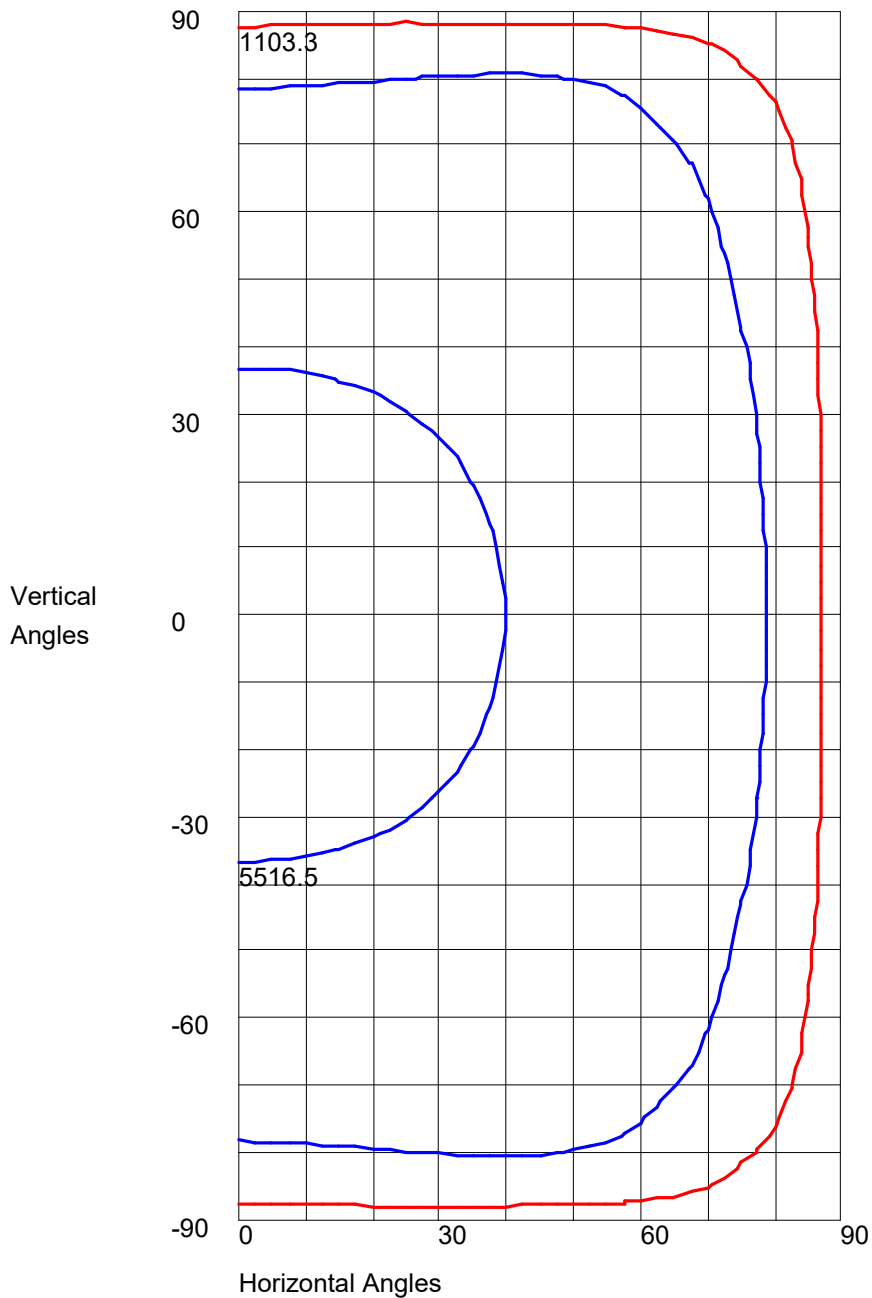
-75			
	4.37	0.12	844.85
-85			
	0.59	0.01	107.54
-90			
Total	286.21	7.43	19958.78

AXIAL CANDELA DISPLAY



Maximum Candela = 11033 Located At Horizontal Angle = -47.5, Vertical Angle = 65
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 11033 Located At Horizontal Angle = -47.5, Vertical Angle = -65
50% Maximum Candela = 5516.5
10% Maximum Candela = 1103.3