



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12620
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 04/01/21
[TESTDATE] 03/17/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-42L-PC-WF-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	5 H x 5 V
Maximum Candela	36368
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	25813
Beam Efficiency	N.A.
Field Lumens	36417
Field Efficiency	N.A.
Spill Lumens	2781
Luminaire Lumens	39197
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



PFL

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	14	85	39
75	57	75	222
65	285	65	605
55	1350	55	1810
47.5	3610	47.5	4365
42.5	5844	42.5	7161
37.5	9416	37.5	10696
33	14502	33	15647
29	20168	29	21338
25.5	24983	25.5	25635
22.5	28533	22.5	28241
19.5	31260	19.5	30125
17	33217	17	31510
15	34364	15	32480
13	34932	13	33338
11	35363	11	34118
9	35671	9	34810
7	35873	7	35401
5	35983	5	35868
3	36035	3	36226
1	36127	1	36233
0	36179	0	36179
-1	36127	-1	36255
-3	36035	-3	36368
-5	35983	-5	36367
-7	35873	-7	36193
-9	35671	-9	35884
-11	35363	-11	35464
-13	34932	-13	34928
-15	34364	-15	34244
-17	33217	-17	33404
-19.5	31260	-19.5	32315
-22.5	28533	-22.5	29936
-25.5	24983	-25.5	26327
-29	20168	-29	22901
-33	14502	-33	16481
-37.5	9416	-37.5	10106
-42.5	5844	-42.5	6518
-47.5	3610	-47.5	4355
-55	1350	-55	1592
-65	285	-65	439
-75	57	-75	14
-85	14	-85	10
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 36368

Beam Edge = 18184 Cd (50% of Max.)

Field Edge = 3636.8 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	0	0	0
85.0	0	2	8	16	24	26	28	29	30	32
75.0	0	5	17	26	36	55	75	94	113	139
65.0	0	8	21	39	100	174	232	301	361	417
55.0	0	10	27	78	238	420	569	738	911	1071
47.5	0	11	33	119	379	709	984	1344	1724	2100
42.5	0	12	38	149	493	953	1375	1946	2573	3225
37.5	0	12	43	179	626	1265	1896	2770	3736 *	4747 *
33.0	0	13	46	207	754	1580	2445	3651 *	4947 *	6283 *
29.0	0	13	51	230	855	1894	2977	4487 *	6101 *	7896 *
25.5	0	13	54	248	959	2167	3462	5255 *	7210 *	9464 *
22.5	0	14	56	261	1036	2436	3892 *	5907 *	8242 *	11050 *
19.5	0	14	57	274	1107	2672	4322 *	6594 *	9280 *	12748 *
17.0	0	14	58	281	1174	2859	4614 *	7152 *	10289 *	14172 *
15.0	0	14	58	285	1220	3026	4867 *	7562 *	11091 *	15218 *
13.0	0	14	59	287	1259	3170	5135 *	8023 *	11787 *	16391 *
11.0	0	14	59	287	1291	3291	5366 *	8420 *	12483 *	17443 *
9.0	0	14	59	290	1315	3390	5543 *	8743 *	13124 *	18361 *
7.0	0	14	59	291	1333	3466	5671 *	8999 *	13636 *	19069 *
5.0	0	14	59	291	1349	3523	5753 *	9188 *	14014 *	19603 *
3.0	0	14	58	291	1366	3598	5851 *	9320 *	14267 *	19979 *
1.0	0	14	57	287	1355	3606	5846 *	9410 *	14456 *	20153 *
0.0	0	14	57	285	1350	3610	5844 *	9416 *	14502 *	20168 *
-1.0	0	14	57	284	1351	3605	5853 *	9470 *	14572 *	20281 *
-3.0	0	14	56	283	1352	3595	5871 *	9493 *	14609 *	20359 *
-5.0	0	14	56	278	1326	3517	5780 *	9417 *	14441 *	20124 *
-7.0	0	14	54	273	1302	3456	5702 *	9242 *	14124 *	19725 *
-9.0	0	14	53	266	1276	3378	5587 *	8990 *	13669 *	19138 *
-11.0	0	13	52	259	1243	3278	5436 *	8662 *	13085 *	18360 *
-13.0	0	13	51	253	1201	3156	5248 *	8270 *	12421 *	17433 *
-15.0	0	13	49	245	1152	3013	5013 *	7814 *	11754 *	16369 *
-17.0	0	13	48	237	1094	2848	4727 *	7379 *	10992 *	15332 *
-19.5	0	12	46	224	1011	2634	4346 *	6730 *	9898 *	13705 *
-22.5	0	12	43	206	921	2348	3854 *	5873 *	8605 *	11721 *
-25.5	0	12	40	188	824	2012	3388	5094 *	7303 *	9829 *
-29.0	0	11	37	167	696	1687	2791	4192 *	5903 *	7854 *
-33.0	0	10	33	140	581	1334	2132	3261	4473 *	5908 *
-37.5	0	10	30	111	455	1011	1554	2336	3203	4145 *
-42.5	0	9	26	86	333	723	1087	1601	2166	2762
-47.5	0	8	22	61	229	506	752	1090	1437	1849
-55.0	0	6	17	33	110	240	359	497	651	793
-65.0	0	4	11	18	26	52	87	131	175	217
-75.0	0	3	5	8	10	12	12	13	14	16
-85.0	0	1	2	3	4	5	5	5	6	7
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-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	0	0	0	0	0	0	0	0	0	0
85.0	33	34	35	36	37	37	38	39	39	38
75.0	162	180	193	203	210	214	216	218	219	223
65.0	466	504	536	561	579	593	599	603	606	605
55.0	1221	1330	1443	1556	1634	1700	1745	1771	1784	1809
47.5	2444	2811	3132	3384	3597	3788 *	3958 *	4095 *	4204 *	4268 *
42.5	3855 *	4422 *	5034 *	5498 *	5832 *	6158 *	6461 *	6701 *	6879 *	7011 *
37.5	5730 *	6566 *	7450 *	8156 *	8662 *	9175 *	9627 *	10009 *	10282 *	10489 *
33.0	7620 *	8880 *	10177 *	11284 *	12110 *	12860 *	13656 *	14360 *	14880 *	15272 *
29.0	9741 *	11576 *	13446 *	15028 *	16329 *	17651 *	18669 *	19533 *	20249 *	20811 *
25.5	11966 *	14379 *	16893 *	19170 *	20652 *	21900 *	23005 *	23909 *	24649 *	25152 *
22.5	14112 *	17066 *	20033 *	22274 *	23870 *	25040 *	26012 *	26750 *	27381 *	27828 *
19.5	16324 *	19671 *	22642 *	24839 *	26378 *	27559 *	28405 *	29014 *	29501 *	29825 *
17.0	18208 *	21589 *	24531 *	26670 *	28202 *	29172 *	29973 *	30539 *	30947 *	31202 *
15.0	19550 *	22971 *	25822 *	28010 *	29344 *	30353 *	31013 *	31577 *	31965 *	32196 *
13.0	20769 *	24221 *	27002 *	29136 *	30536 *	31330 *	31992 *	32493 *	32893 *	33120 *
11.0	21940 *	25372 *	28082 *	30274 *	31471 *	32273 *	32859 *	33338 *	33715 *	33931 *
9.0	22884 *	26255 *	28969 *	31021 *	32334 *	33052 *	33607 *	34039 *	34390 *	34624 *
7.0	23661 *	27028 *	29753 *	31766 *	32957 *	33722 *	34226 *	34594 *	34935 *	35179 *
5.0	24283 *	27676 *	30364 *	32393 *	33459 *	34193 *	34723 *	35068 *	35316 *	35559 *
3.0	24730 *	28174 *	30830 *	32817 *	33935 *	34571 *	35021 *	35383 *	35664 *	35805 *
1.0	24951 *	28493 *	31147 *	33104 *	34333 *	34899 *	35327 *	35619 *	35818 *	35937 *
0.0	24983 *	28533 *	31260 *	33217 *	34364 *	34932 *	35363 *	35671 *	35873 *	35983 *
-1.0	25070 *	28634 *	31282 *	33220 *	34433 *	34991 *	35420 *	35745 *	35968 *	36054 *
-3.0	25065 *	28559 *	31222 *	33214 *	34365 *	35021 *	35485 *	35839 *	36109 *	36189 *
-5.0	24786 *	28254 *	30995 *	33080 *	34209 *	34971 *	35509 *	35808 *	35979 *	36135 *
-7.0	24330 *	27793 *	30653 *	32765 *	34011 *	34771 *	35231 *	35540 *	35782 *	36021 *
-9.0	23727 *	27208 *	30103 *	32255 *	33579 *	34304 *	34822 *	35186 *	35510 *	35716 *
-11.0	22955 *	26505 *	29392 *	31594 *	32834 *	33712 *	34280 *	34755 *	35096 *	35258 *
-13.0	21983 *	25590 *	28545 *	30677 *	32106 *	32988 *	33664 *	34193 *	34493 *	34674 *
-15.0	20963 *	24573 *	27592 *	29785 *	31160 *	32218 *	32896 *	33429 *	33721 *	33973 *
-17.0	19761 *	23384 *	26457 *	28623 *	30177 *	31201 *	32003 *	32520 *	32889 *	33158 *
-19.5	18062 *	21415 *	24781 *	26914 *	28503 *	29754 *	30645 *	31216 *	31669 *	32004 *
-22.5	15420 *	18656 *	21670 *	23920 *	25506 *	26796 *	27791 *	28489 *	29164 *	29706 *
-25.5	12656 *	15562 *	18397 *	20353 *	21946 *	23216 *	24141 *	25100 *	25733 *	26064 *
-29.0	9947 *	11968 *	14213 *	16281 *	17807 *	19138 *	20332 *	21494 *	22330 *	22638 *
-33.0	7312 *	8664 *	10026 *	11401 *	12363 *	13228 *	14248 *	15125 *	15729 *	16134 *
-37.5	5032 *	5827 *	6773 *	7521 *	8051 *	8700 *	9284 *	9774 *	10003 *	10094 *
-42.5	3364	3909 *	4459 *	4876 *	5229 *	5567 *	5873 *	6102 *	6269 *	6400 *
-47.5	2234	2579	2934	3237	3473	3689 *	3881 *	4017 *	4133 *	4230 *
-55.0	949	1076	1206	1322	1406	1483	1535	1568	1592	1605
-65.0	254	284	318	346	368	388	402	415	426	434
-75.0	16	16	16	16	16	16	16	15	15	15
-85.0	8	8	9	10	10	10	10	10	10	10
-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	0	0	0	0	0	0	0	0	0	0
85.0	38	39	39	39	38	38	39	39	38	37
75.0	223	222	222	222	223	223	219	218	216	214
65.0	608	606	605	606	608	605	606	603	599	593

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

CANDELA TABULATION - (Cont.)

55.0	1834	1818	1810	1818	1834	1809	1784	1771	1745	1700
47.5	4317 *	4349 *	4365 *	4349 *	4317 *	4268 *	4204 *	4095 *	3958 *	3788 *
42.5	7155 *	7159 *	7161 *	7159 *	7155 *	7011 *	6879 *	6701 *	6461 *	6158 *
37.5	10710 *	10727 *	10696 *	10727 *	10710 *	10489 *	10282 *	10009 *	9627 *	9175 *
33.0	15601 *	15674 *	15647 *	15674 *	15601 *	15272 *	14880 *	14360 *	13656 *	12860 *
29.0	21228 *	21368 *	21338 *	21368 *	21228 *	20811 *	20249 *	19533 *	18669 *	17651 *
25.5	25496 *	25658 *	25635 *	25658 *	25496 *	25152 *	24649 *	23909 *	23005 *	21900 *
22.5	28117 *	28280 *	28241 *	28280 *	28117 *	27828 *	27381 *	26750 *	26012 *	25040 *
19.5	30076 *	30142 *	30125 *	30142 *	30076 *	29825 *	29501 *	29014 *	28405 *	27559 *
17.0	31382 *	31457 *	31510 *	31457 *	31382 *	31202 *	30947 *	30539 *	29973 *	29172 *
15.0	32363 *	32422 *	32480 *	32422 *	32363 *	32196 *	31965 *	31577 *	31013 *	30353 *
13.0	33267 *	33250 *	33338 *	33250 *	33267 *	33120 *	32893 *	32493 *	31992 *	31330 *
11.0	34072 *	34039 *	34118 *	34039 *	34072 *	33931 *	33715 *	33338 *	32859 *	32273 *
9.0	34753 *	34785 *	34810 *	34785 *	34753 *	34624 *	34390 *	34039 *	33607 *	33052 *
7.0	35328 *	35411 *	35401 *	35411 *	35328 *	35179 *	34935 *	34594 *	34226 *	33722 *
5.0	35748 *	35876 *	35868 *	35876 *	35748 *	35559 *	35316 *	35068 *	34723 *	34193 *
3.0	35974 *	36181 *	36226 *	36181 *	35974 *	35805 *	35664 *	35383 *	35021 *	34571 *
1.0	36039 *	36177 *	36233 *	36177 *	36039 *	35937 *	35818 *	35619 *	35327 *	34899 *
0.0	36035 *	36127 *	36179 *	36127 *	36035 *	35983 *	35873 *	35671 *	35363 *	34932 *
-1.0	36158 *	36199 *	36255 *	36199 *	36158 *	36054 *	35968 *	35745 *	35420 *	34991 *
-3.0	36215 *	36324 *	36368 *	36324 *	36215 *	36189 *	36109 *	35839 *	35485 *	35021 *
-5.0	36257 *	36315 *	36367 *	36315 *	36257 *	36135 *	35979 *	35808 *	35509 *	34971 *
-7.0	36124 *	36153 *	36193 *	36153 *	36124 *	36021 *	35782 *	35540 *	35231 *	34771 *
-9.0	35822 *	35840 *	35884 *	35840 *	35822 *	35716 *	35510 *	35186 *	34822 *	34304 *
-11.0	35373 *	35390 *	35464 *	35390 *	35373 *	35258 *	35096 *	34755 *	34280 *	33712 *
-13.0	34801 *	34834 *	34928 *	34834 *	34801 *	34674 *	34493 *	34193 *	33664 *	32988 *
-15.0	34116 *	34183 *	34244 *	34183 *	34116 *	33973 *	33721 *	33429 *	32896 *	32218 *
-17.0	33283 *	33340 *	33404 *	33340 *	33283 *	33158 *	32889 *	32520 *	32003 *	31201 *
-19.5	32141 *	32236 *	32315 *	32236 *	32141 *	32004 *	31669 *	31216 *	30645 *	29754 *
-22.5	29964 *	30026 *	29936 *	30026 *	29964 *	29706 *	29164 *	28489 *	27791 *	26796 *
-25.5	26220 *	26303 *	26327 *	26303 *	26220 *	26064 *	25733 *	25100 *	24141 *	23216 *
-29.0	22844 *	22918 *	22901 *	22918 *	22844 *	22638 *	22330 *	21494 *	20332 *	19138 *
-33.0	16375 *	16480 *	16481 *	16480 *	16375 *	16134 *	15729 *	15125 *	14248 *	13228 *
-37.5	10070 *	10123 *	10106 *	10123 *	10070 *	10094 *	10003 *	9774 *	9284 *	8700 *
-42.5	6529 *	6522 *	6518 *	6522 *	6529 *	6400 *	6269 *	6102 *	5873 *	5567 *
-47.5	4327 *	4346 *	4355 *	4346 *	4327 *	4230 *	4133 *	4017 *	3881 *	3689 *
-55.0	1618	1601	1592	1601	1618	1605	1592	1568	1535	1483
-65.0	442	440	439	440	442	434	426	415	402	388
-75.0	15	14	14	14	15	15	15	15	16	16
-85.0	10	10	10	10	10	10	10	10	10	10
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0	0
85.0	37	36	35	34	33	32	30	29	28	26
75.0	210	203	193	180	162	139	113	94	75	55
65.0	579	561	536	504	466	417	361	301	232	174
55.0	1634	1556	1443	1330	1221	1071	911	738	569	420
47.5	3597	3384	3132	2811	2444	2100	1724	1344	984	709
42.5	5832 *	5498 *	5034 *	4422 *	3855 *	3225	2573	1946	1375	953
37.5	8662 *	8156 *	7450 *	6566 *	5730 *	4747 *	3736 *	2770	1896	1265
33.0	12110 *	11284 *	10177 *	8880 *	7620 *	6283 *	4947 *	3651 *	2445	1580
29.0	16329 *	15028 *	13446 *	11576 *	9741 *	7896 *	6101 *	4487 *	2977	1894
25.5	20652 *	19170 *	16893 *	14379 *	11966 *	9464 *	7210 *	5255 *	3462	2167

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

CANDELA TABULATION - (Cont.)

22.5	23870 *	22274 *	20033 *	17066 *	14112 *	11050 *	8242 *	5907 *	3892 *	2436
19.5	26378 *	24839 *	22642 *	19671 *	16324 *	12748 *	9280 *	6594 *	4322 *	2672
17.0	28202 *	26670 *	24531 *	21589 *	18208 *	14172 *	10289 *	7152 *	4614 *	2859
15.0	29344 *	28010 *	25822 *	22971 *	19550 *	15218 *	11091 *	7562 *	4867 *	3026
13.0	30536 *	29136 *	27002 *	24221 *	20769 *	16391 *	11787 *	8023 *	5135 *	3170
11.0	31471 *	30274 *	28082 *	25372 *	21940 *	17443 *	12483 *	8420 *	5366 *	3291
9.0	32334 *	31021 *	28969 *	26255 *	22884 *	18361 *	13124 *	8743 *	5543 *	3390
7.0	32957 *	31766 *	29753 *	27028 *	23661 *	19069 *	13636 *	8999 *	5671 *	3466
5.0	33459 *	32393 *	30364 *	27676 *	24283 *	19603 *	14014 *	9188 *	5753 *	3523
3.0	33935 *	32817 *	30830 *	28174 *	24730 *	19979 *	14267 *	9320 *	5851 *	3598
1.0	34333 *	33104 *	31147 *	28493 *	24951 *	20153 *	14456 *	9410 *	5846 *	3606
0.0	34364 *	33217 *	31260 *	28533 *	24983 *	20168 *	14502 *	9416 *	5844 *	3610
-1.0	34433 *	33220 *	31282 *	28634 *	25070 *	20281 *	14572 *	9470 *	5853 *	3605
-3.0	34365 *	33214 *	31222 *	28559 *	25065 *	20359 *	14609 *	9493 *	5871 *	3595
-5.0	34209 *	33080 *	30995 *	28254 *	24786 *	20124 *	14441 *	9417 *	5780 *	3517
-7.0	34011 *	32765 *	30653 *	27793 *	24330 *	19725 *	14124 *	9242 *	5702 *	3456
-9.0	33579 *	32255 *	30103 *	27208 *	23727 *	19138 *	13669 *	8990 *	5587 *	3378
-11.0	32834 *	31594 *	29392 *	26505 *	22955 *	18360 *	13085 *	8662 *	5436 *	3278
-13.0	32106 *	30677 *	28545 *	25590 *	21983 *	17433 *	12421 *	8270 *	5248 *	3156
-15.0	31160 *	29785 *	27592 *	24573 *	20963 *	16369 *	11754 *	7814 *	5013 *	3013
-17.0	30177 *	28623 *	26457 *	23384 *	19761 *	15332 *	10992 *	7379 *	4727 *	2848
-19.5	28503 *	26914 *	24781 *	21415 *	18062 *	13705 *	9898 *	6730 *	4346 *	2634
-22.5	25506 *	23920 *	21670 *	18656 *	15420 *	11721 *	8605 *	5873 *	3854 *	2348
-25.5	21946 *	20353 *	18397 *	15562 *	12656 *	9829 *	7303 *	5094 *	3388 *	2012
-29.0	17807 *	16281 *	14213 *	11968 *	9947 *	7854 *	5903 *	4192 *	2791 *	1687
-33.0	12363 *	11401 *	10026 *	8664 *	7312 *	5908 *	4473 *	3261 *	2132 *	1334
-37.5	8051 *	7521 *	6773 *	5827 *	5032 *	4145 *	3203 *	2336 *	1554 *	1011
-42.5	5229 *	4876 *	4459 *	3909 *	3364 *	2762 *	2166 *	1601 *	1087 *	723
-47.5	3473	3237	2934	2579	2234	1849	1437	1090	752	506
-55.0	1406	1322	1206	1076	949	793	651	497	359	240
-65.0	368	346	318	284	254	217	175	131	87	52
-75.0	16	16	16	16	16	16	14	13	12	12
-85.0	10	10	9	8	8	7	6	5	5	5
-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	0	0	0	0	0
85.0	24	16	8	2	0
75.0	36	26	17	5	0
65.0	100	39	21	8	0
55.0	238	78	27	10	0
47.5	379	119	33	11	0
42.5	493	149	38	12	0
37.5	626	179	43	12	0
33.0	754	207	46	13	0
29.0	855	230	51	13	0
25.5	959	248	54	13	0
22.5	1036	261	56	14	0
19.5	1107	274	57	14	0
17.0	1174	281	58	14	0
15.0	1220	285	58	14	0
13.0	1259	287	59	14	0
11.0	1291	287	59	14	0
9.0	1315	290	59	14	0

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

CANDELA TABULATION - (Cont.)

7.0	1333	291	59	14	0
5.0	1349	291	59	14	0
3.0	1366	291	58	14	0
1.0	1355	287	57	14	0
0.0	1350	285	57	14	0
-1.0	1351	284	57	14	0
-3.0	1352	283	56	14	0
-5.0	1326	278	56	14	0
-7.0	1302	273	54	14	0
-9.0	1276	266	53	14	0
-11.0	1243	259	52	13	0
-13.0	1201	253	51	13	0
-15.0	1152	245	49	13	0
-17.0	1094	237	48	13	0
-19.5	1011	224	46	12	0
-22.5	921	206	43	12	0
-25.5	824	188	40	12	0
-29.0	696	167	37	11	0
-33.0	581	140	33	10	0
-37.5	455	111	30	10	0
-42.5	333	86	26	9	0
-47.5	229	61	22	8	0
-55.0	110	33	17	6	0
-65.0	26	18	11	4	0
-75.0	10	8	5	3	0
-85.0	4	3	2	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19598.56

Total Field Lumens (one side of beam only) = 18208.27

* 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	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05
75	0.40	0.79	0.79	0.79	0.78	0.77	0.75	0.74	0.71	0.84
65	1.26	2.53	2.52	2.50	2.48	2.45	2.42	2.36	2.27	2.70
55	3.68	7.41	7.38	7.28	7.19	7.08	6.91	6.66	6.34	7.41
47.5	7.05	14.06	13.93	13.71	13.41	13.01	12.50	11.88	11.17	12.90
42.5	8.77 *	17.49 *	17.28 *	16.94 *	16.50 *	15.91 *	15.17 *	14.32 *	13.40 *	15.41 *
37.5	13.61 *	27.21 *	26.87 *	26.25 *	25.54 *	24.60 *	23.40 *	22.04 *	20.60 *	23.63 *
33	18.07 *	36.10 *	35.60 *	34.71 *	33.62 *	32.16 *	30.38 *	28.47 *	26.49 *	30.16 *
29	22.55 *	44.98 *	44.31 *	43.14 *	41.64 *	39.73 *	37.44 *	34.85 *	32.06 *	36.11 *
25.5	25.05 *	49.94 *	49.29 *	48.17 *	46.63 *	44.68 *	42.35 *	39.58 *	36.47 *	40.84 *
22.5	24.63 *	49.11 *	48.58 *	47.72 *	46.46 *	44.85 *	42.88 *	40.55 *	37.76 *	42.51 *
19.5	26.68 *	53.25 *	52.80 *	52.04 *	50.97 *	49.58 *	47.83 *	45.60 *	42.76 *	48.70 *
17	23.46 *	46.83 *	46.52 *	46.00 *	45.25 *	44.22 *	42.87 *	41.12 *	38.83 *	44.60 *
15	19.47 *	38.85 *	38.63 *	38.26 *	37.71 *	36.93 *	35.91 *	34.60 *	32.86 *	37.98 *
13	20.03 *	39.97 *	39.79 *	39.43 *	38.89 *	38.12 *	37.15 *	35.93 *	34.27 *	39.76 *
11	20.52 *	40.98 *	40.84 *	40.49 *	39.95 *	39.20 *	38.27 *	37.12 *	35.55 *	41.40 *
9	20.98 *	41.90 *	41.74 *	41.40 *	40.87 *	40.15 *	39.27 *	38.16 *	36.63 *	42.79 *
7	21.38 *	42.70 *	42.51 *	42.15 *	41.61 *	40.94 *	40.11 *	39.03 *	37.50 *	43.94 *
5	21.71 *	43.34 *	43.09 *	42.71 *	42.20 *	41.58 *	40.78 *	39.70 *	38.23 *	44.94 *
3	21.95 *	43.77 *	43.48 *	43.12 *	42.66 *	42.05 *	41.27 *	40.24 *	38.83 *	45.71 *
1	22.06 *	43.95 *	43.68 *	43.39 *	42.98 *	42.40 *	41.66 *	40.71 *	39.29 *	46.25 *
0	11.02 *	21.98 *	21.88 *	21.75 *	21.56 *	21.30 *	20.93 *	20.47 *	19.77 *	23.27 *
-1	11.02 *	22.00 *	21.91 *	21.79 *	21.61 *	21.33 *	20.96 *	20.50 *	19.80 *	23.32 *
	22.11 *	44.11 *	43.94 *	43.72 *	43.33 *	42.74 *	41.99 *	41.03 *	39.60 *	46.62 *

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

LUMENS TABULATION - (Cont.)

-3	22.14 *	44.17 *	44.00 *	43.75 *	43.36 *	42.79 *	42.01 *	40.95 *	39.49 *	46.47 *
-5	22.09 *	44.09 *	43.92 *	43.60 *	43.17 *	42.62 *	41.86 *	40.78 *	39.25 *	46.10 *
-7	21.94 *	43.82 *	43.66 *	43.33 *	42.84 *	42.23 *	41.45 *	40.39 *	38.83 *	45.48 *
-9	21.71 *	43.36 *	43.20 *	42.89 *	42.39 *	41.71 *	40.85 *	39.73 *	38.14 *	44.60 *
-11	21.42 *	42.74 *	42.57 *	42.27 *	41.79 *	41.06 *	40.12 *	38.91 *	37.25 *	43.47 *
-13	21.05 *	41.99 *	41.80 *	41.46 *	40.97 *	40.25 *	39.26 *	37.97 *	36.23 *	42.16 *
-15	20.59 *	41.07 *	40.88 *	40.51 *	39.98 *	39.25 *	38.23 *	36.87 *	35.06 *	40.66 *
-17	25.00 *	49.85 *	49.60 *	49.12 *	48.37 *	47.39 *	46.03 *	44.20 *	41.80 *	48.26 *
-19.5	28.45 *	56.79 *	56.43 *	55.68 *	54.54 *	53.16 *	51.39 *	49.01 *	46.05 *	52.77 *
-22.5	25.72 *	51.38 *	51.03 *	50.29 *	49.09 *	47.48 *	45.56 *	43.21 *	40.29 *	45.74 *
-25.5	26.24 *	52.36 *	51.99 *	51.30 *	49.97 *	47.81 *	45.27 *	42.47 *	39.14 *	43.82 *
-29	24.00 *	47.86 *	47.40 *	46.55 *	45.05 *	42.72 *	39.89 *	36.97 *	33.88 *	37.55 *
-33	18.23 *	36.33 *	36.01 *	35.42 *	34.36 *	32.69 *	30.48 *	28.16 *	25.91 *	29.06 *
-37.5	12.67 *	25.30 *	25.14 *	24.81 *	24.24 *	23.27 *	21.92 *	20.35 *	18.80 *	21.36 *
-42.5	8.28 *	16.53 *	16.32 *	15.93 *	15.47 *	14.90 *	14.16 *	13.27 *	12.31 *	14.02 *
-47.5	6.79	13.58	13.42	13.13	12.79	12.38	11.83	11.14	10.36	11.80
-55	3.10	6.24	6.23	6.15	6.03	5.88	5.67	5.39	5.04	5.77
-65	0.69	1.39	1.38	1.35	1.31	1.27	1.22	1.16	1.09	1.26
-75	0.04	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09
-85	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
-90										
Total	717.64	1432.24	1422.49	1405.13	1379.72	1344.78	1300.55	1246.72	1180.26	1362.29

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.09	0.08	0.03
85	0.94	0.85	0.87	0.82	0.74	0.66	0.50	0.50	0.39	0.17
75	3.01	2.74	2.81	2.69	2.43	2.05	1.44	1.30	0.76	0.27
65	8.13	7.35	7.52	7.21	6.47	5.37	3.75	3.33	1.73	0.43
55	13.94	12.22	12.15	11.37	9.90	7.95	5.41	4.68	2.32	0.50

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

LUMENS TABULATION - (Cont.)

47.5										
	16.42 *	14.12	13.77	12.56	10.61	8.24	5.41	4.53	2.17	0.44
42.5	25.03 *	21.47 *	20.80 *	18.64	15.42	11.64	7.39	5.96	2.75	0.53
37.5	31.74 *	27.04 *	25.99 *	23.16 *	19.02 *	14.12	8.70	6.79	3.02	0.56
33	37.60 *	31.57 *	29.89 *	26.34 *	21.47 *	15.82	9.58	7.26	3.11	0.56
29	42.02 *	34.81 *	32.40 *	28.02 *	22.57 *	16.51 *	9.89	7.35	3.05	0.53
25.5	43.74 *	36.01 *	33.12 *	28.17 *	22.34 *	16.20 *	9.66	7.07	2.86	0.48
22.5	50.81 *	42.05 *	38.55 *	32.36 *	25.20 *	18.12 *	10.76	7.77	3.06	0.51
19.5	47.15 *	39.54 *	36.40 *	30.34 *	23.30 *	16.53 *	9.73	6.98	2.70	0.44
17	40.48 *	34.36 *	31.82 *	26.51 *	20.20 *	14.11 *	8.27 *	5.92	2.25	0.35
15	42.66 *	36.52 *	34.08 *	28.45 *	21.52 *	14.92 *	8.72 *	6.20	2.32	0.36
13	44.65 *	38.52 *	36.27 *	30.34 *	22.78 *	15.71 *	9.13 *	6.44	2.38	0.36
11	46.35 *	40.26 *	38.21 *	32.06 *	23.93 *	16.37 *	9.47 *	6.64	2.42	0.36
9	47.77 *	41.67 *	39.79 *	33.51 *	24.90 *	16.89 *	9.73 *	6.79	2.46	0.36
7	48.97 *	42.84 *	41.04 *	34.63 *	25.65 *	17.27 *	9.91 *	6.91	2.48	0.36
5	49.92 *	43.77 *	41.98 *	35.43 *	26.18 *	17.56 *	10.08 *	7.03	2.51	0.36
3	50.61 *	44.39 *	42.56 *	35.95 *	26.55 *	17.74 *	10.17 *	7.09	2.51	0.36
1	25.47 *	22.32 *	21.38 *	18.09 *	13.37 *	8.90 *	5.09 *	3.54	1.25	0.18
0	25.53 *	22.38 *	21.44 *	18.15 *	13.42 *	8.92 *	5.09 *	3.54	1.24	0.18
-1	51.05 *	44.80 *	43.01 *	36.45 *	26.94 *	17.90 *	10.19 *	7.08	2.49	0.35
-3	50.77 *	44.52 *	42.80 *	36.30 *	26.84 *	17.82 *	10.10 *	6.99	2.46	0.35
-5	50.20 *	43.89 *	42.16 *	35.72 *	26.43 *	17.58 *	9.93 *	6.86	2.42	0.34
-7	49.37 *	43.01 *	41.19 *	34.80 *	25.75 *	17.22 *	9.76 *	6.72	2.37	0.34
-9	48.29 *	41.90 *	39.89 *	33.55 *	24.85 *	16.72 *	9.52 *	6.56	2.32	0.33
-11	46.93 *	40.50 *	38.25 *	32.00 *	23.75 *	16.11 *	9.21 *	6.34	2.25	0.32
-13	45.34 *	38.86 *	36.37 *	30.27 *	22.53 *	15.36 *	8.84 *	6.09	2.17	0.31
-15	43.51 *	37.01 *	34.32 *	28.43 *	21.23 *	14.54 *	8.40 *	5.79	2.07	0.30
-17	51.20 *	43.11 *	39.60 *	32.58 *	24.48 *	16.90 *	9.79 *	6.78	2.44	0.36
-19.5	55.36 *	46.05 *	41.87 *	34.40 *	26.11 *	18.20 *	10.64	7.41	2.69	0.41

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

LUMENS TABULATION - (Cont.)

-22.5	47.53 *	39.00 *	35.27 *	29.34 *	22.56 *	15.93 *	9.37	6.54	2.44	0.37
-25.5	44.89 *	36.62 *	33.41 *	28.22 *	22.03 *	15.78 *	9.31	6.53	2.50	0.39
-29	38.28 *	31.63 *	29.40 *	25.21 *	19.95 *	14.44	8.55	6.14	2.41	0.39
-33	30.03 *	25.20 *	23.88 *	20.83 *	16.71	12.18	7.30	5.44	2.20	0.37
-37.5	22.36 *	18.92 *	18.13 *	16.02	13.02	9.59	5.89	4.50	1.87	0.33
-42.5	14.80	12.61	12.09	10.72	8.80	6.60	4.13	3.20	1.35	0.25
-47.5	12.47	10.70	10.35	9.26	7.71	5.90	3.75	2.91	1.23	0.26
-55	6.15	5.35	5.24	4.79	4.07	3.13	1.99	1.53	0.71	0.21
-65	1.35	1.19	1.19	1.10	0.93	0.71	0.44	0.36	0.24	0.11
-75	0.10	0.10	0.11	0.11	0.11	0.10	0.09	0.11	0.10	0.05
-85	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
-90	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
Total	1453.03	1241.86	1171.45	995.01	762.88	534.41	315.18	227.60	88.55	14.83

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.01	0.00	1.29
85			
	0.04	0.00	13.85
75			
	0.07	0.00	43.07
65			
	0.09	0.00	118.69
55			
	0.08	0.00	204.15
47.5			
	0.06	0.00	239.52
42.5			
	0.07	0.00	363.45
37.5			
	0.07	0.00	465.98
33			
	0.06	0.00	560.08
29			
	0.06	0.00	620.23
25.5			
	0.05	0.00	624.75
22.5			
	0.06	0.00	699.44
19.5			
	0.05	0.00	632.86
17			
	0.04	0.00	535.51

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

LUMENS TABULATION - (Cont.)

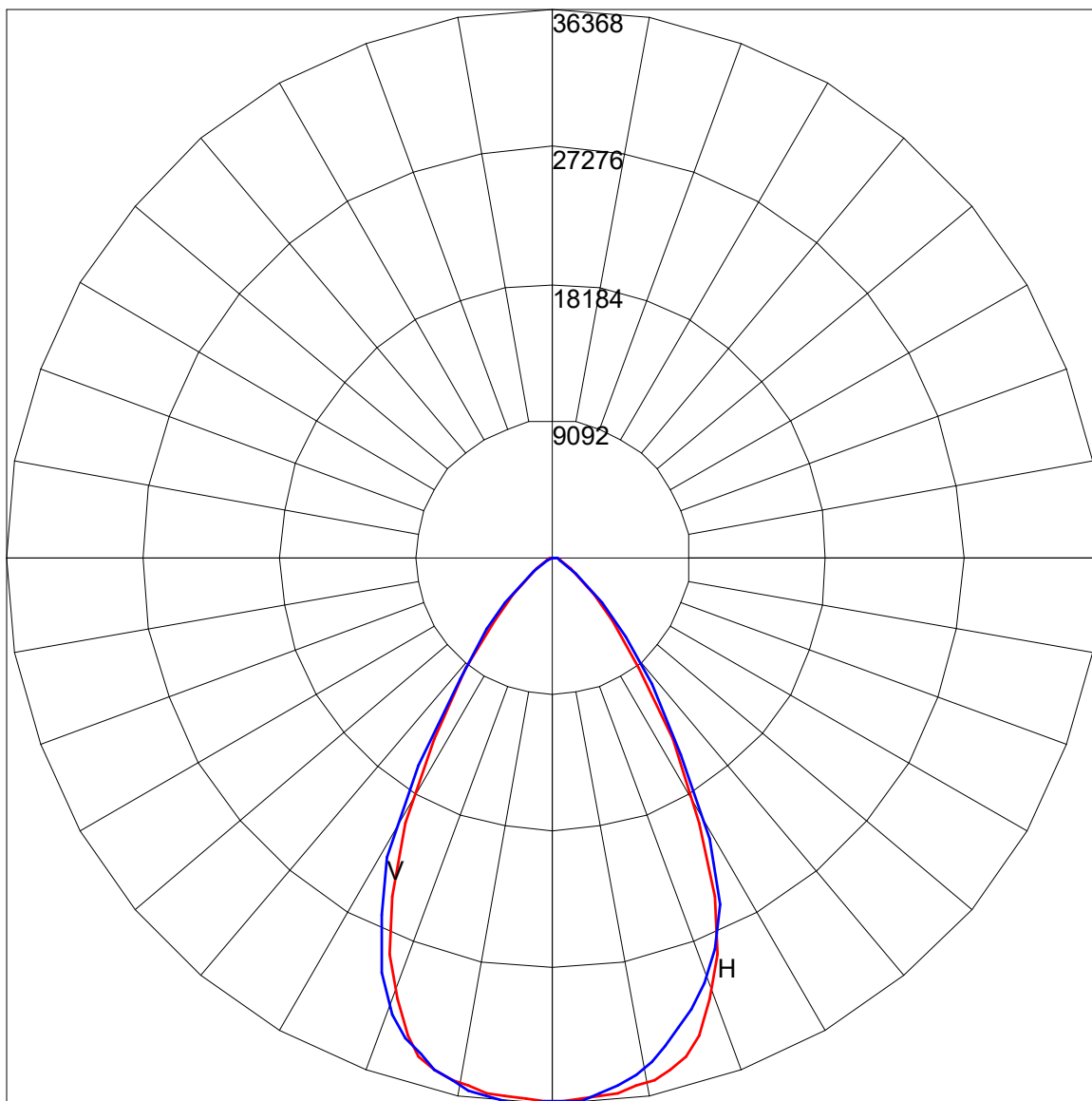
15	0.04	0.00	559.13
13	0.04	0.00	580.95
11	0.04	0.00	600.00
9	0.04	0.00	615.77
7	0.04	0.00	628.40
5	0.04	0.00	637.94
3	0.04	0.00	644.33
1	0.02	0.00	323.54
0	0.02	0.00	324.14
-1	0.04	0.00	649.48
-3	0.04	0.00	648.13
-5	0.04	0.00	643.04
-7	0.04	0.00	634.54
-9	0.03	0.00	622.54
-11	0.03	0.00	607.29
-13	0.03	0.00	589.32
-15	0.03	0.00	568.75
-17	0.04	0.00	676.91
-19.5	0.04	0.00	747.45
-22.5	0.04	0.00	658.17
-25.5	0.05	0.00	650.07
-29	0.05	0.00	578.30
-33	0.05	0.00	450.84
-37.5	0.05	0.00	328.55
-42.5	0.04	0.00	215.81
-47.5	0.05	0.00	181.82
-55	0.05	0.00	88.72
-65	0.03	0.00	19.77

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

LUMENS TABULATION - (Cont.)

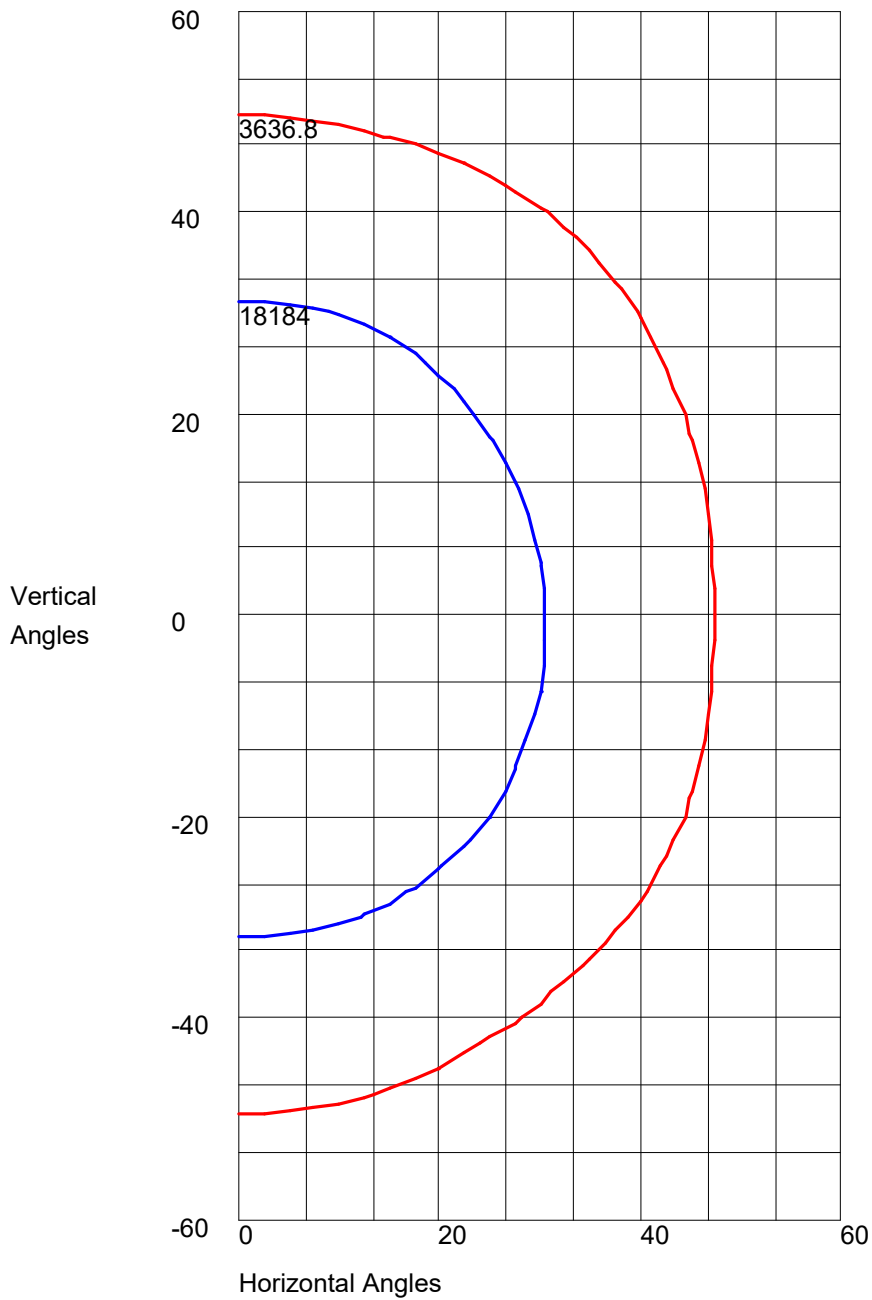
-75	0.01	0.00	1.73
-85	0.00	0.00	0.30
-90			
Total	1.90	0.05	19598.57

AXIAL CANDELA DISPLAY



Maximum Candela = 36368 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 36368 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 18184
10% Maximum Candela = 3636.8