



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12461
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/25/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-24L-PC-WF-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	6 H x 6 V
Maximum Candela	21083
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	64.2
Vertical Beam Angle (50%)	65.7
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	103.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	16366
Beam Efficiency	N.A.
Field Lumens	23277
Field Efficiency	N.A.
Spill Lumens	1988
Luminaire Lumens	25264
Total Efficiency	N.A.
Total Luminaire Watts	200
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	73	85	75
75	163	75	191
65	388	65	513
55	1282	55	1408
47.5	3012	47.5	3081
42.5	4524	42.5	4635
37.5	6728	37.5	6997
33	9889	33	10412
29	13190	29	13740
25.5	15694	25.5	15897
22.5	17415	22.5	17159
19.5	18641	19.5	18117
17	19400	17	18810
15	19890	15	19335
13	20218	13	19804
11	20475	11	20197
9	20657	9	20525
7	20774	7	20788
5	20840	5	20981
3	20878	3	21083
1	20947	1	21035
0	20987	0	20987
-1	20947	-1	21035
-3	20878	-3	21083
-5	20840	-5	20981
-7	20774	-7	20788
-9	20657	-9	20525
-11	20475	-11	20197
-13	20218	-13	19804
-15	19890	-15	19335
-17	19400	-17	18810
-19.5	18641	-19.5	18117
-22.5	17415	-22.5	17159
-25.5	15694	-25.5	15897
-29	13190	-29	13740
-33	9889	-33	10412
-37.5	6728	-37.5	6997
-42.5	4524	-42.5	4635
-47.5	3012	-47.5	3081
-55	1282	-55	1408
-65	388	-65	513
-75	163	-75	191
-85	73	-85	75
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 21083

Beam Edge = 10541.5 Cd (50% of Max.)

Field Edge = 2108.3 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	0	0
85.0	0	6	20	34	44	48	51	54	58	61
75.0	0	18	50	74	103	121	130	142	155	179
65.0	0	29	73	131	212	273	318	360	397	427
55.0	0	39	97	192	344	488	590	707	822	922
47.5	0	46	112	235	461	715	915	1162	1418	1676
42.5	0	51	122	263	556	902	1208	1600	2017	2425 *
37.5	0	55	131	288	655	1143	1589	2176 *	2797 *	3404 *
33.0	0	58	138	311	753	1397	2003	2800 *	3610 *	4410 *
29.0	0	61	144	331	836	1653	2415 *	3394 *	4407 *	5526 *
25.5	0	64	149	346	927	1881	2789 *	3929 *	5195 *	6591 *
22.5	0	65	152	357	996	2100	3104 *	4383 *	5909 *	7615 *
19.5	0	67	154	368	1062	2297 *	3413 *	4860 *	6624 *	8733 *
17.0	0	68	157	374	1124	2451 *	3638 *	5233 *	7267 *	9754 *
15.0	0	69	158	378	1167	2572 *	3814 *	5500 *	7757 *	10480 *
13.0	0	70	160	380	1203	2678 *	3979 *	5796 *	8196 *	11138 *
11.0	0	72	161	380	1233	2771 *	4126 *	6056 *	8652 *	11728 *
9.0	0	72	162	384	1257	2849 *	4250 *	6277 *	9059 *	12244 *
7.0	0	72	163	387	1273	2912 *	4351 *	6454 *	9381 *	12639 *
5.0	0	73	164	388	1285	2960 *	4428 *	6586 *	9622 *	12922 *
3.0	0	73	163	390	1298	3009 *	4512 *	6675 *	9783 *	13116 *
1.0	0	73	163	389	1287	3011 *	4520 *	6727 *	9875 *	13191 *
0.0	0	73	163	388	1282	3012 *	4524 *	6728 *	9889 *	13190 *
-1.0	0	73	163	389	1287	3011 *	4520 *	6727 *	9875 *	13191 *
-3.0	0	73	163	390	1298	3009 *	4512 *	6675 *	9783 *	13116 *
-5.0	0	73	164	388	1285	2960 *	4428 *	6586 *	9622 *	12922 *
-7.0	0	72	163	387	1273	2912 *	4351 *	6454 *	9381 *	12639 *
-9.0	0	72	162	384	1257	2849 *	4250 *	6277 *	9059 *	12244 *
-11.0	0	72	161	380	1233	2771 *	4126 *	6056 *	8652 *	11728 *
-13.0	0	70	160	380	1203	2678 *	3979 *	5796 *	8196 *	11138 *
-15.0	0	69	158	378	1167	2572 *	3814 *	5500 *	7757 *	10480 *
-17.0	0	68	157	374	1124	2451 *	3638 *	5233 *	7267 *	9754 *
-19.5	0	67	154	368	1062	2297 *	3413 *	4860 *	6624 *	8733 *
-22.5	0	65	152	357	996	2100	3104 *	4383 *	5909 *	7615 *
-25.5	0	64	149	346	927	1881	2789 *	3929 *	5195 *	6591 *
-29.0	0	61	144	331	836	1653	2415 *	3394 *	4407 *	5526 *
-33.0	0	58	138	311	753	1397	2003	2800 *	3610 *	4410 *
-37.5	0	55	131	288	655	1143	1589	2176 *	2797 *	3404 *
-42.5	0	51	122	263	556	902	1208	1600	2017	2425 *
-47.5	0	46	112	235	461	715	915	1162	1418	1676
-55.0	0	39	97	192	344	488	590	707	822	922
-65.0	0	29	73	131	212	273	318	360	397	427
-75.0	0	18	50	74	103	121	130	142	155	179
-85.0	0	6	20	34	44	48	51	54	58	61
-90.0	0	0	0	0	0	0	0	0	0	0

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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	0	0	0	0	0	0	0	0	0	0
85.0	64	66	67	68	69	70	72	72	73	73
75.0	197	206	208	209	210	208	205	202	198	194
65.0	452	469	484	495	503	508	511	512	512	510
55.0	1016	1085	1154	1219	1265	1304	1339	1367	1389	1403
47.5	1900	2117 *	2318 *	2479 *	2605 *	2718 *	2817 *	2899 *	2965 *	3016 *
42.5	2816 *	3147 *	3486 *	3740 *	3925 *	4095 *	4244 *	4370 *	4470 *	4544 *
37.5	3968 *	4453 *	4964 *	5370 *	5660 *	5972 *	6247 *	6485 *	6686 *	6844 *
33.0	5222 *	5972 *	6747 *	7430 *	7936 *	8387 *	8888 *	9362 *	9748 *	10041 *
29.0	6603 *	7736 *	8932 *	9978 *	10753 *	11452 *	12083 *	12640 *	13073 *	13376 *
25.5	8081 *	9639 *	11161 *	12332 *	13123 *	13805 *	14411 *	14883 *	15272 *	15558 *
22.5	9566 *	11311 *	12878 *	14010 *	14773 *	15390 *	15925 *	16319 *	16660 *	16911 *
19.5	11018 *	12810 *	14317 *	15376 *	16084 *	16642 *	17102 *	17433 *	17735 *	17959 *
17.0	12129 *	13864 *	15359 *	16336 *	17017 *	17524 *	17970 *	18256 *	18482 *	18676 *
15.0	12890 *	14631 *	16084 *	17055 *	17628 *	18154 *	18538 *	18838 *	19018 *	19198 *
13.0	13566 *	15310 *	16712 *	17614 *	18218 *	18661 *	19043 *	19339 *	19532 *	19662 *
11.0	14188 *	15914 *	17290 *	18161 *	18681 *	19130 *	19470 *	19743 *	19948 *	20058 *
9.0	14686 *	16399 *	17741 *	18583 *	19118 *	19526 *	19840 *	20063 *	20261 *	20395 *
7.0	15096 *	16814 *	18133 *	18935 *	19444 *	19858 *	20136 *	20344 *	20491 *	20645 *
5.0	15399 *	17119 *	18447 *	19221 *	19696 *	20064 *	20346 *	20556 *	20698 *	20770 *
3.0	15614 *	17321 *	18607 *	19377 *	19857 *	20201 *	20466 *	20666 *	20816 *	20901 *
1.0	15697 *	17423 *	18662 *	19430 *	19925 *	20255 *	20508 *	20689 *	20820 *	20901 *
0.0	15694 *	17415 *	18641 *	19400 *	19890 *	20218 *	20475 *	20657 *	20774 *	20840 *
-1.0	15697 *	17423 *	18662 *	19430 *	19925 *	20255 *	20508 *	20689 *	20820 *	20901 *
-3.0	15614 *	17321 *	18607 *	19377 *	19857 *	20201 *	20466 *	20666 *	20816 *	20901 *
-5.0	15399 *	17119 *	18447 *	19221 *	19696 *	20064 *	20346 *	20556 *	20698 *	20770 *
-7.0	15096 *	16814 *	18133 *	18935 *	19444 *	19858 *	20136 *	20344 *	20491 *	20645 *
-9.0	14686 *	16399 *	17741 *	18583 *	19118 *	19526 *	19840 *	20063 *	20261 *	20395 *
-11.0	14188 *	15914 *	17290 *	18161 *	18681 *	19130 *	19470 *	19743 *	19948 *	20058 *
-13.0	13566 *	15310 *	16712 *	17614 *	18218 *	18661 *	19043 *	19339 *	19532 *	19662 *
-15.0	12890 *	14631 *	16084 *	17055 *	17628 *	18154 *	18538 *	18838 *	19018 *	19198 *
-17.0	12129 *	13864 *	15359 *	16336 *	17017 *	17524 *	17970 *	18256 *	18482 *	18676 *
-19.5	11018 *	12810 *	14317 *	15376 *	16084 *	16642 *	17102 *	17433 *	17735 *	17959 *
-22.5	9566 *	11311 *	12878 *	14010 *	14773 *	15390 *	15925 *	16319 *	16660 *	16911 *
-25.5	8081 *	9639 *	11161 *	12332 *	13123 *	13805 *	14411 *	14883 *	15272 *	15558 *
-29.0	6603 *	7736 *	8932 *	9978 *	10753 *	11452 *	12083 *	12640 *	13073 *	13376 *
-33.0	5222 *	5972 *	6747 *	7430 *	7936 *	8387 *	8888 *	9362 *	9748 *	10041 *
-37.5	3968 *	4453 *	4964 *	5370 *	5660 *	5972 *	6247 *	6485 *	6686 *	6844 *
-42.5	2816 *	3147 *	3486 *	3740 *	3925 *	4095 *	4244 *	4370 *	4470 *	4544 *
-47.5	1900	2117 *	2318 *	2479 *	2605 *	2718 *	2817 *	2899 *	2965 *	3016 *
-55.0	1016	1085	1154	1219	1265	1304	1339	1367	1389	1403
-65.0	452	469	484	495	503	508	511	512	512	510
-75.0	197	206	208	209	210	208	205	202	198	194
-85.0	64	66	67	68	69	70	72	72	73	73
-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	74	75	75	75	74	73	73	72	72	70
75.0	193	192	191	192	193	194	198	202	205	208
65.0	514	513	513	513	514	510	512	512	511	508

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CANDELA TABULATION - (Cont.)

55.0	1418	1411	1408	1411	1418	1403	1389	1367	1339	1304
47.5	3071 *	3078 *	3081 *	3078 *	3071 *	3016 *	2965 *	2899 *	2817 *	2718 *
42.5	4622 *	4631 *	4635 *	4631 *	4622 *	4544 *	4470 *	4370 *	4244 *	4095 *
37.5	6957 *	7002 *	6997 *	7002 *	6957 *	6844 *	6686 *	6485 *	6247 *	5972 *
33.0	10240 *	10376 *	10412 *	10376 *	10240 *	10041 *	9748 *	9362 *	8888 *	8387 *
29.0	13595 *	13715 *	13740 *	13715 *	13595 *	13376 *	13073 *	12640 *	12083 *	11452 *
25.5	15752 *	15868 *	15897 *	15868 *	15752 *	15558 *	15272 *	14883 *	14411 *	13805 *
22.5	17071 *	17160 *	17159 *	17160 *	17071 *	16911 *	16660 *	16319 *	15925 *	15390 *
19.5	18066 *	18111 *	18117 *	18111 *	18066 *	17959 *	17735 *	17433 *	17102 *	16642 *
17.0	18766 *	18795 *	18810 *	18795 *	18766 *	18676 *	18482 *	18256 *	17970 *	17524 *
15.0	19295 *	19324 *	19335 *	19324 *	19295 *	19198 *	19018 *	18838 *	18538 *	18154 *
13.0	19758 *	19763 *	19804 *	19763 *	19758 *	19662 *	19532 *	19339 *	19043 *	18661 *
11.0	20160 *	20147 *	20197 *	20147 *	20160 *	20058 *	19948 *	19743 *	19470 *	19130 *
9.0	20482 *	20483 *	20525 *	20483 *	20482 *	20395 *	20261 *	20063 *	19840 *	19526 *
7.0	20725 *	20757 *	20788 *	20757 *	20725 *	20645 *	20491 *	20344 *	20136 *	19858 *
5.0	20895 *	20965 *	20981 *	20965 *	20895 *	20770 *	20698 *	20556 *	20346 *	20064 *
3.0	20950 *	21055 *	21083 *	21055 *	20950 *	20901 *	20816 *	20666 *	20466 *	20201 *
1.0	20967 *	21003 *	21035 *	21003 *	20967 *	20901 *	20820 *	20689 *	20508 *	20255 *
0.0	20878 *	20947 *	20987 *	20947 *	20878 *	20840 *	20774 *	20657 *	20475 *	20218 *
-1.0	20967 *	21003 *	21035 *	21003 *	20967 *	20901 *	20820 *	20689 *	20508 *	20255 *
-3.0	20950 *	21055 *	21083 *	21055 *	20950 *	20901 *	20816 *	20666 *	20466 *	20201 *
-5.0	20895 *	20965 *	20981 *	20965 *	20895 *	20770 *	20698 *	20556 *	20346 *	20064 *
-7.0	20725 *	20757 *	20788 *	20757 *	20725 *	20645 *	20491 *	20344 *	20136 *	19858 *
-9.0	20482 *	20483 *	20525 *	20483 *	20482 *	20395 *	20261 *	20063 *	19840 *	19526 *
-11.0	20160 *	20147 *	20197 *	20147 *	20160 *	20058 *	19948 *	19743 *	19470 *	19130 *
-13.0	19758 *	19763 *	19804 *	19763 *	19758 *	19662 *	19532 *	19339 *	19043 *	18661 *
-15.0	19295 *	19324 *	19335 *	19324 *	19295 *	19198 *	19018 *	18838 *	18538 *	18154 *
-17.0	18766 *	18795 *	18810 *	18795 *	18766 *	18676 *	18482 *	18256 *	17970 *	17524 *
-19.5	18066 *	18111 *	18117 *	18111 *	18066 *	17959 *	17735 *	17433 *	17102 *	16642 *
-22.5	17071 *	17160 *	17159 *	17160 *	17071 *	16911 *	16660 *	16319 *	15925 *	15390 *
-25.5	15752 *	15868 *	15897 *	15868 *	15752 *	15558 *	15272 *	14883 *	14411 *	13805 *
-29.0	13595 *	13715 *	13740 *	13715 *	13595 *	13376 *	13073 *	12640 *	12083 *	11452 *
-33.0	10240 *	10376 *	10412 *	10376 *	10240 *	10041 *	9748 *	9362 *	8888 *	8387 *
-37.5	6957 *	7002 *	6997 *	7002 *	6957 *	6844 *	6686 *	6485 *	6247 *	5972 *
-42.5	4622 *	4631 *	4635 *	4631 *	4622 *	4544 *	4470 *	4370 *	4244 *	4095 *
-47.5	3071 *	3078 *	3081 *	3078 *	3071 *	3016 *	2965 *	2899 *	2817 *	2718 *
-55.0	1418	1411	1408	1411	1418	1403	1389	1367	1339	1304
-65.0	514	513	513	513	514	510	512	512	511	508
-75.0	193	192	191	192	193	194	198	202	205	208
-85.0	74	75	75	75	74	73	73	72	72	70
-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	69	68	67	66	64	61	58	54	51	48
75.0	210	209	208	206	197	179	155	142	130	121
65.0	503	495	484	469	452	427	397	360	318	273
55.0	1265	1219	1154	1085	1016	922	822	707	590	488
47.5	2605 *	2479 *	2318 *	2117 *	1900	1676	1418	1162	915	715
42.5	3925 *	3740 *	3486 *	3147 *	2816 *	2425 *	2017	1600	1208	902
37.5	5660 *	5370 *	4964 *	4453 *	3968 *	3404 *	2797 *	2176 *	1589	1143
33.0	7936 *	7430 *	6747 *	5972 *	5222 *	4410 *	3610 *	2800 *	2003	1397
29.0	10753 *	9978 *	8932 *	7736 *	6603 *	5526 *	4407 *	3394 *	2415 *	1653
25.5	13123 *	12332 *	11161 *	9639 *	8081 *	6591 *	5195 *	3929 *	2789 *	1881

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CANDELA TABULATION - (Cont.)

22.5	14773 *	14010 *	12878 *	11311 *	9566 *	7615 *	5909 *	4383 *	3104 *	2100
19.5	16084 *	15376 *	14317 *	12810 *	11018 *	8733 *	6624 *	4860 *	3413 *	2297 *
17.0	17017 *	16336 *	15359 *	13864 *	12129 *	9754 *	7267 *	5233 *	3638 *	2451 *
15.0	17628 *	17055 *	16084 *	14631 *	12890 *	10480 *	7757 *	5500 *	3814 *	2572 *
13.0	18218 *	17614 *	16712 *	15310 *	13566 *	11138 *	8196 *	5796 *	3979 *	2678 *
11.0	18681 *	18161 *	17290 *	15914 *	14188 *	11728 *	8652 *	6056 *	4126 *	2771 *
9.0	19118 *	18583 *	17741 *	16399 *	14686 *	12244 *	9059 *	6277 *	4250 *	2849 *
7.0	19444 *	18935 *	18133 *	16814 *	15096 *	12639 *	9381 *	6454 *	4351 *	2912 *
5.0	19696 *	19221 *	18447 *	17119 *	15399 *	12922 *	9622 *	6586 *	4428 *	2960 *
3.0	19857 *	19377 *	18607 *	17321 *	15614 *	13116 *	9783 *	6675 *	4512 *	3009 *
1.0	19925 *	19430 *	18662 *	17423 *	15697 *	13191 *	9875 *	6727 *	4520 *	3011 *
0.0	19890 *	19400 *	18641 *	17415 *	15694 *	13190 *	9889 *	6728 *	4524 *	3012 *
-1.0	19925 *	19430 *	18662 *	17423 *	15697 *	13191 *	9875 *	6727 *	4520 *	3011 *
-3.0	19857 *	19377 *	18607 *	17321 *	15614 *	13116 *	9783 *	6675 *	4512 *	3009 *
-5.0	19696 *	19221 *	18447 *	17119 *	15399 *	12922 *	9622 *	6586 *	4428 *	2960 *
-7.0	19444 *	18935 *	18133 *	16814 *	15096 *	12639 *	9381 *	6454 *	4351 *	2912 *
-9.0	19118 *	18583 *	17741 *	16399 *	14686 *	12244 *	9059 *	6277 *	4250 *	2849 *
-11.0	18681 *	18161 *	17290 *	15914 *	14188 *	11728 *	8652 *	6056 *	4126 *	2771 *
-13.0	18218 *	17614 *	16712 *	15310 *	13566 *	11138 *	8196 *	5796 *	3979 *	2678 *
-15.0	17628 *	17055 *	16084 *	14631 *	12890 *	10480 *	7757 *	5500 *	3814 *	2572 *
-17.0	17017 *	16336 *	15359 *	13864 *	12129 *	9754 *	7267 *	5233 *	3638 *	2451 *
-19.5	16084 *	15376 *	14317 *	12810 *	11018 *	8733 *	6624 *	4860 *	3413 *	2297 *
-22.5	14773 *	14010 *	12878 *	11311 *	9566 *	7615 *	5909 *	4383 *	3104 *	2100
-25.5	13123 *	12332 *	11161 *	9639 *	8081 *	6591 *	5195 *	3929 *	2789 *	1881
-29.0	10753 *	9978 *	8932 *	7736 *	6603 *	5526 *	4407 *	3394 *	2415 *	1653
-33.0	7936 *	7430 *	6747 *	5972 *	5222 *	4410 *	3610 *	2800 *	2003	1397
-37.5	5660 *	5370 *	4964 *	4453 *	3968 *	3404 *	2797 *	2176 *	1589	1143
-42.5	3925 *	3740 *	3486 *	3147 *	2816 *	2425 *	2017	1600	1208	902
-47.5	2605 *	2479 *	2318 *	2117 *	1900	1676	1418	1162	915	715
-55.0	1265	1219	1154	1085	1016	922	822	707	590	488
-65.0	503	495	484	469	452	427	397	360	318	273
-75.0	210	209	208	206	197	179	155	142	130	121
-85.0	69	68	67	66	64	61	58	54	51	48
-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	44	34	20	6	0
75.0	103	74	50	18	0
65.0	212	131	73	29	0
55.0	344	192	97	39	0
47.5	461	235	112	46	0
42.5	556	263	122	51	0
37.5	655	288	131	55	0
33.0	753	311	138	58	0
29.0	836	331	144	61	0
25.5	927	346	149	64	0
22.5	996	357	152	65	0
19.5	1062	368	154	67	0
17.0	1124	374	157	68	0
15.0	1167	378	158	69	0
13.0	1203	380	160	70	0
11.0	1233	380	161	72	0
9.0	1257	384	162	72	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1273	387	163	72	0
5.0	1285	388	164	73	0
3.0	1298	390	163	73	0
1.0	1287	389	163	73	0
0.0	1282	388	163	73	0
-1.0	1287	389	163	73	0
-3.0	1298	390	163	73	0
-5.0	1285	388	164	73	0
-7.0	1273	387	163	72	0
-9.0	1257	384	162	72	0
-11.0	1233	380	161	72	0
-13.0	1203	380	160	70	0
-15.0	1167	378	158	69	0
-17.0	1124	374	157	68	0
-19.5	1062	368	154	67	0
-22.5	996	357	152	65	0
-25.5	927	346	149	64	0
-29.0	836	331	144	61	0
-33.0	753	311	138	58	0
-37.5	655	288	131	55	0
-42.5	556	263	122	51	0
-47.5	461	235	112	46	0
-55.0	344	192	97	39	0
-65.0	212	131	73	29	0
-75.0	103	74	50	18	0
-85.0	44	34	20	6	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12632.04

Total Field Lumens (one side of beam only) = 11638.29

* 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	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10
75	0.41	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.82	0.81
65	1.07	2.15	2.14	2.14	2.14	2.15	2.14	2.13	2.11	2.07
55	2.93	5.87	5.84	5.78	5.78	5.70	5.59	5.46	5.29	5.10
47.5	5.13 *	10.25 *	10.15 *	9.97 *	9.97 *	9.75 *	9.47	9.14	8.75	8.31
42.5	5.87 *	11.72 *	11.59 *	11.36 *	11.36 *	11.09 *	10.75 *	10.33 *	9.86 *	9.33 *
37.5	8.86 *	17.67 *	17.45 *	17.07 *	17.07 *	16.60 *	16.01 *	15.31 *	14.52 *	13.68 *
33	11.92 *	23.68 *	23.30 *	22.71 *	22.71 *	21.91 *	20.91 *	19.77 *	18.59 *	17.39 *
29	14.69 *	29.18 *	28.72 *	28.01 *	28.01 *	27.04 *	25.78 *	24.32 *	22.77 *	21.14 *
25.5	15.78 *	31.39 *	30.99 *	30.37 *	30.37 *	29.49 *	28.36 *	26.98 *	25.41 *	23.67 *
22.5	15.10 *	30.07 *	29.76 *	29.26 *	29.26 *	28.57 *	27.69 *	26.61 *	25.31 *	23.82 *
19.5	16.12 *	32.15 *	31.91 *	31.47 *	31.47 *	30.83 *	30.05 *	29.08 *	27.88 *	26.46 *
17	14.06 *	28.06 *	27.90 *	27.59 *	27.59 *	27.11 *	26.53 *	25.79 *	24.85 *	23.72 *
15	11.62 *	23.19 *	23.07 *	22.83 *	22.83 *	22.50 *	22.08 *	21.51 *	20.78 *	19.92 *
13	11.91 *	23.79 *	23.67 *	23.45 *	23.45 *	23.14 *	22.73 *	22.17 *	21.48 *	20.65 *
11	12.17 *	24.30 *	24.20 *	23.99 *	23.99 *	23.70 *	23.28 *	22.73 *	22.07 *	21.28 *
9	12.39 *	24.74 *	24.64 *	24.44 *	24.44 *	24.14 *	23.73 *	23.23 *	22.60 *	21.83 *
7	12.57 *	25.10 *	24.99 *	24.78 *	24.78 *	24.48 *	24.11 *	23.64 *	23.04 *	22.28 *
5	12.72 *	25.37 *	25.23 *	25.02 *	25.02 *	24.76 *	24.41 *	23.96 *	23.37 *	22.63 *
3	12.81 *	25.53 *	25.38 *	25.20 *	25.20 *	24.96 *	24.61 *	24.16 *	23.59 *	22.88 *
1	12.82 *	25.56 *	25.44 *	25.28 *	25.28 *	25.03 *	24.70 *	24.26 *	23.71 *	23.01 *
0	6.39 *	12.75 *	12.70 *	12.62 *	12.62 *	12.51 *	12.35 *	12.13 *	11.86 *	11.51 *
-1	6.39 *	12.75 *	12.70 *	12.62 *	12.62 *	12.51 *	12.35 *	12.13 *	11.86 *	11.51 *
	12.82 *	25.56 *	25.44 *	25.28 *	25.28 *	25.03 *	24.70 *	24.26 *	23.71 *	23.01 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	12.81 *	25.53 *	25.38 *	25.20 *	24.96 *	24.61 *	24.16 *	23.59 *	22.88 *	27.36 *
-5	12.72 *	25.37 *	25.23 *	25.02 *	24.76 *	24.41 *	23.96 *	23.37 *	22.63 *	27.02 *
-7	12.57 *	25.10 *	24.99 *	24.78 *	24.48 *	24.11 *	23.64 *	23.04 *	22.28 *	26.54 *
-9	12.39 *	24.74 *	24.64 *	24.44 *	24.14 *	23.73 *	23.23 *	22.60 *	21.83 *	25.95 *
-11	12.17 *	24.30 *	24.20 *	23.99 *	23.70 *	23.28 *	22.73 *	22.07 *	21.28 *	25.23 *
-13	11.91 *	23.79 *	23.67 *	23.45 *	23.14 *	22.73 *	22.17 *	21.48 *	20.65 *	24.39 *
-15	11.62 *	23.19 *	23.07 *	22.83 *	22.50 *	22.08 *	21.51 *	20.78 *	19.92 *	23.44 *
-17	14.06 *	28.06 *	27.90 *	27.59 *	27.11 *	26.53 *	25.79 *	24.85 *	23.72 *	27.75 *
-19.5	16.12 *	32.15 *	31.91 *	31.47 *	30.83 *	30.05 *	29.08 *	27.88 *	26.46 *	30.69 *
-22.5	15.10 *	30.07 *	29.76 *	29.26 *	28.57 *	27.69 *	26.61 *	25.31 *	23.82 *	27.33 *
-25.5	15.78 *	31.39 *	30.99 *	30.37 *	29.49 *	28.36 *	26.98 *	25.41 *	23.67 *	26.83 *
-29	14.69 *	29.18 *	28.72 *	28.01 *	27.04 *	25.78 *	24.32 *	22.77 *	21.14 *	23.93 *
-33	11.92 *	23.68 *	23.30 *	22.71 *	21.91 *	20.91 *	19.77 *	18.59 *	17.39 *	19.94 *
-37.5	8.86 *	17.67 *	17.45 *	17.07 *	16.60 *	16.01 *	15.31 *	14.52 *	13.68 *	15.87 *
-42.5	5.87 *	11.72 *	11.59 *	11.36 *	11.09 *	10.75 *	10.33 *	9.86 *	9.33 *	10.87 *
-47.5	5.13 *	10.25 *	10.15 *	9.97 *	9.75 *	9.47	9.14	8.75	8.31	9.72
-55	2.93	5.87	5.84	5.78	5.70	5.59	5.46	5.29	5.10	6.06
-65	1.07	2.15	2.14	2.14	2.15	2.14	2.13	2.11	2.07	2.52
-75	0.41	0.81	0.81	0.81	0.82	0.83	0.83	0.82	0.81	1.00
-85	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.12
-90										
Total	434.78	866.90	860.00	848.53	832.77	812.43	787.28	757.56	723.20	847.68

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.14	0.14	0.15	0.16	0.16	0.15	0.13	0.16	0.15	0.07
85	1.17	1.11	1.19	1.18	1.14	1.10	0.94	1.13	0.97	0.46
75	2.92	2.76	2.97	3.02	2.95	2.77	2.27	2.53	1.98	0.85
65	6.81	6.31	6.67	6.70	6.40	5.76	4.49	4.70	3.34	1.28
55	10.67	9.58	9.80	9.47	8.62	7.38	5.47	5.38	3.51	1.24

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	11.80 *	10.41 *	10.44 *	9.84	8.67	7.12	5.03	4.70	2.88	0.95
42.5	17.11 *	15.01 *	14.94 *	13.89 *	12.02 *	9.58	6.52	5.82	3.35	1.05
37.5	21.24 *	18.42 *	18.13 *	16.71 *	14.33 *	11.24 *	7.43	6.35	3.43	1.02
33	25.07 *	21.31 *	20.62 *	18.75 *	15.90 *	12.38 *	8.04	6.63	3.39	0.96
29	27.97 *	23.42 *	22.22 *	19.84 *	16.57 *	12.78 *	8.23 *	6.62	3.25	0.88
25.5	28.78 *	24.16 *	22.64 *	19.82 *	16.30 *	12.43 *	7.97 *	6.33	3.00	0.78
22.5	32.83 *	27.99 *	26.25 *	22.62 *	18.28 *	13.79 *	8.81 *	6.92	3.18	0.80
19.5	30.04 *	25.99 *	24.66 *	21.13 *	16.78 *	12.50 *	7.94 *	6.19	2.78	0.68
17	25.57 *	22.34 *	21.44 *	18.41 *	14.41 *	10.61 *	6.72 *	5.23	2.31	0.56
15	26.76 *	23.54 *	22.78 *	19.62 *	15.25 *	11.13 *	7.02 *	5.44	2.38	0.56
13	27.82 *	24.62 *	23.99 *	20.74 *	16.06 *	11.64 *	7.30 *	5.63	2.43	0.56
11	28.72 *	25.54 *	25.04 *	21.76 *	16.81 *	12.08 *	7.53 *	5.79	2.47	0.57
9	29.47 *	26.29 *	25.90 *	22.62 *	17.44 *	12.44 *	7.73 *	5.92	2.51	0.57
7	30.08 *	26.89 *	26.56 *	23.27 *	17.93 *	12.72 *	7.89 *	6.02	2.54	0.57
5	30.49 *	27.32 *	27.03 *	23.73 *	18.28 *	12.95 *	8.03 *	6.11 *	2.56	0.57
3	30.72 *	27.57 *	27.30 *	24.00 *	18.50 *	13.08 *	8.10 *	6.15 *	2.56	0.57
1	15.39 *	13.82 *	13.69 *	12.05 *	9.29 *	6.56 *	4.06 *	3.07 *	1.27	0.29
0	15.39 *	13.82 *	13.69 *	12.05 *	9.29 *	6.56 *	4.06 *	3.07 *	1.27	0.29
-1	30.72 *	27.57 *	27.30 *	24.00 *	18.50 *	13.08 *	8.10 *	6.15 *	2.56	0.57
-3	30.49 *	27.32 *	27.03 *	23.73 *	18.28 *	12.95 *	8.03 *	6.11 *	2.56	0.57
-5	30.08 *	26.89 *	26.56 *	23.27 *	17.93 *	12.72 *	7.89 *	6.02	2.54	0.57
-7	29.47 *	26.29 *	25.90 *	22.62 *	17.44 *	12.44 *	7.73 *	5.92	2.51	0.57
-9	28.72 *	25.54 *	25.04 *	21.76 *	16.81 *	12.08 *	7.53 *	5.79	2.47	0.57
-11	27.82 *	24.62 *	23.99 *	20.74 *	16.06 *	11.64 *	7.30 *	5.63	2.43	0.56
-13	26.76 *	23.54 *	22.78 *	19.62 *	15.25 *	11.13 *	7.02 *	5.44	2.38	0.56
-15	25.57 *	22.34 *	21.44 *	18.41 *	14.41 *	10.61 *	6.72 *	5.23	2.31	0.56
-17	30.04 *	25.99 *	24.66 *	21.13 *	16.78 *	12.50 *	7.94 *	6.19	2.78	0.68
-19.5	32.83 *	27.99 *	26.25 *	22.62 *	18.28 *	13.79 *	8.81 *	6.92	3.18	0.80

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	28.78 *	24.16 *	22.64 *	19.82 *	16.30 *	12.43 *	7.97 *	6.33	3.00	0.78
-25.5	27.97 *	23.42 *	22.22 *	19.84 *	16.57 *	12.78 *	8.23 *	6.62	3.25	0.88
-29	25.07 *	21.31 *	20.62 *	18.75 *	15.90 *	12.38 *	8.04	6.63	3.39	0.96
-33	21.24 *	18.42 *	18.13 *	16.71 *	14.33 *	11.24 *	7.43	6.35	3.43	1.02
-37.5	17.11 *	15.01 *	14.94 *	13.89 *	12.02 *	9.58	6.52	5.82	3.35	1.05
-42.5	11.80 *	10.41 *	10.44 *	9.84	8.67	7.12	5.03	4.70	2.88	0.95
-47.5	10.67	9.58	9.80	9.47	8.62	7.38	5.47	5.38	3.51	1.24
-55	6.81	6.31	6.67	6.70	6.40	5.76	4.49	4.70	3.34	1.28
-65	2.92	2.76	2.97	3.02	2.95	2.77	2.27	2.53	1.98	0.85
-75	1.17	1.11	1.19	1.18	1.14	1.10	0.94	1.13	0.97	0.46
-85	0.14	0.14	0.15	0.16	0.16	0.15	0.13	0.16	0.15	0.07
-90										
Total	923.14	809.06	788.86	698.63	564.19	424.38	275.29	225.69	112.49	31.73

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		2.47
85				
	0.12	0.00		18.48
75				
	0.22	0.01		45.90
65				
	0.31	0.01		106.41
55				
	0.29	0.01		162.06
47.5				
	0.22	0.01		174.85
42.5				
	0.24	0.01		252.57
37.5				
	0.23	0.01		318.66
33				
	0.21	0.01		378.86
29				
	0.19	0.01		411.27
25.5				
	0.17	0.01		405.90
22.5				
	0.17	0.01		448.28
19.5				
	0.15	0.01		402.21
17				
	0.12	0.00		338.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

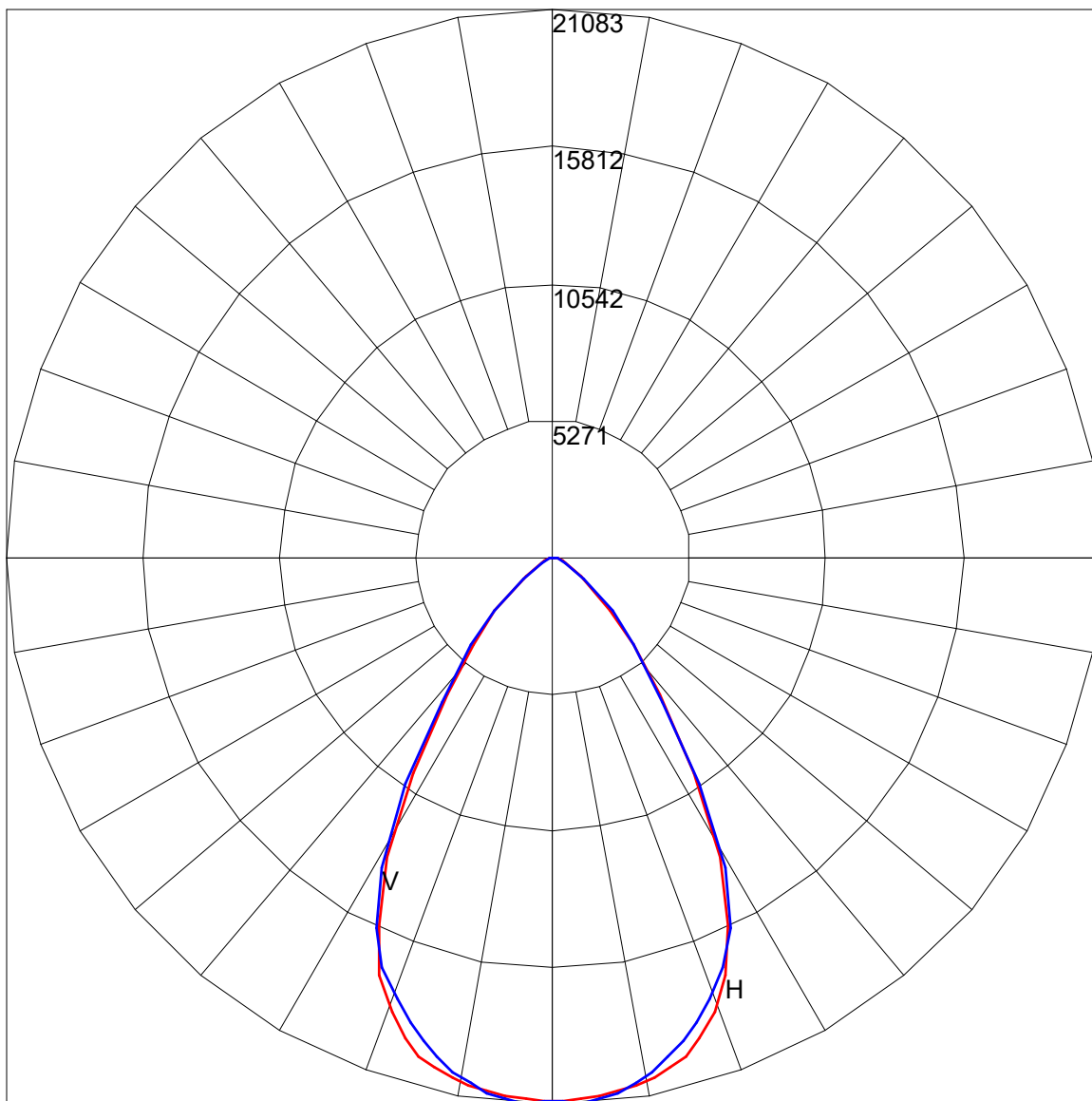
15			
	0.12	0.00	351.98
13			
	0.12	0.00	363.86
11			
	0.12	0.00	374.13
9			
	0.12	0.00	382.56
7			
	0.12	0.00	389.09
5			
	0.12	0.00	393.66
3			
	0.12	0.00	396.01
1			
	0.06	0.00	198.15
0			
	0.06	0.00	198.15
-1			
	0.12	0.00	396.01
-3			
	0.12	0.00	393.66
-5			
	0.12	0.00	389.09
-7			
	0.12	0.00	382.56
-9			
	0.12	0.00	374.13
-11			
	0.12	0.00	363.86
-13			
	0.12	0.00	351.98
-15			
	0.12	0.00	338.65
-17			
	0.15	0.01	402.21
-19.5			
	0.17	0.01	448.28
-22.5			
	0.17	0.01	405.90
-25.5			
	0.19	0.01	411.27
-29			
	0.21	0.01	378.86
-33			
	0.23	0.01	318.66
-37.5			
	0.24	0.01	252.57
-42.5			
	0.22	0.01	174.85
-47.5			
	0.29	0.01	162.06
-55			
	0.31	0.01	106.41
-65			
	0.22	0.01	45.90

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

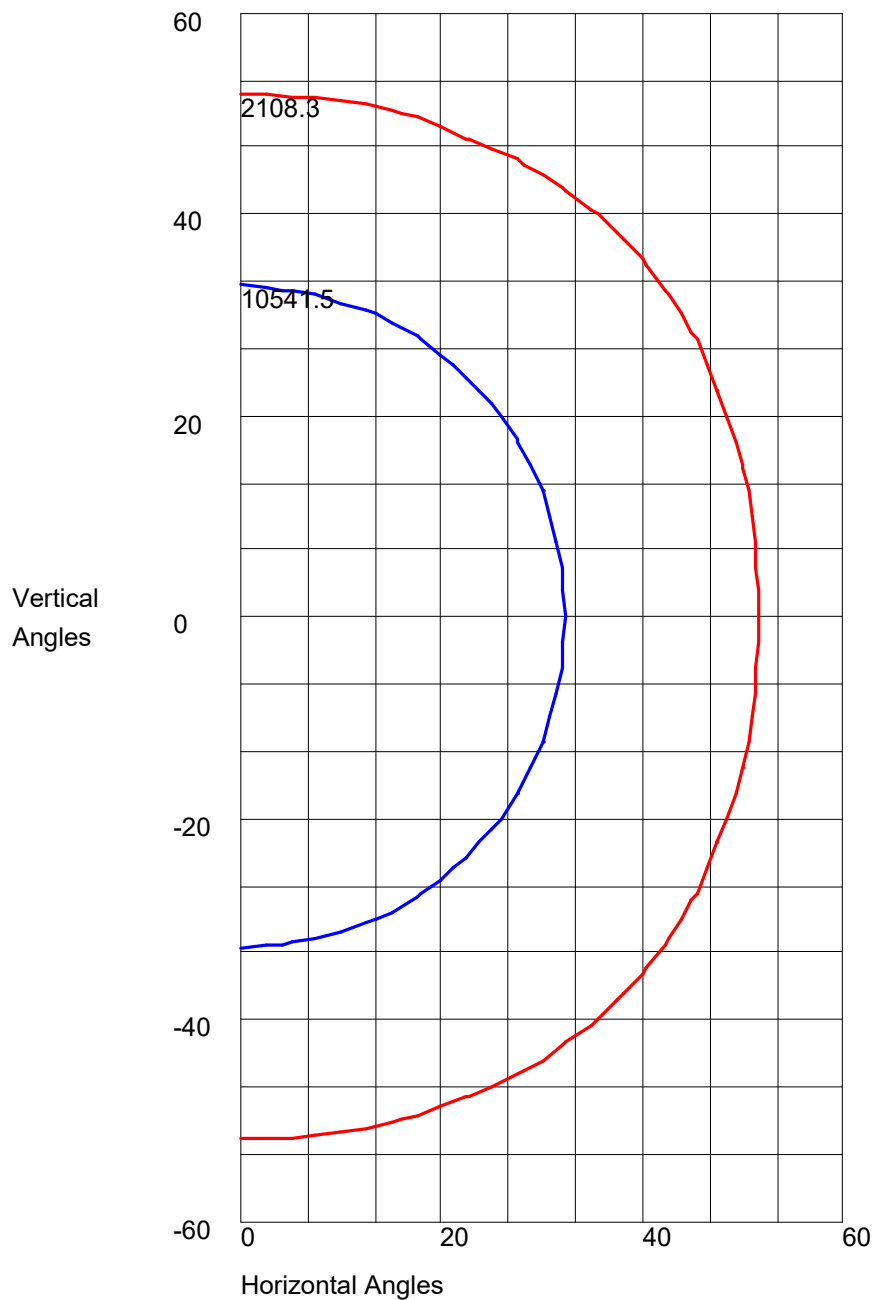
-75	0.12	0.00	18.48
-85	0.02	0.00	2.47
-90			
Total	7.19	0.27	12632.04

AXIAL CANDELA DISPLAY



Maximum Candela = 21083 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 21083 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 10541.5
10% Maximum Candela = 2108.3