



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-50-80.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-30L-PC-WF-50-80
[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	25498
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	19794
Beam Efficiency	N.A.
Field Lumens	28151
Field Efficiency	N.A.
Spill Lumens	2403
Luminaire Lumens	30555
Total Efficiency	N.A.
Total Luminaire Watts	238
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	88	85	91
75	197	75	231
65	469	65	621
55	1550	55	1703
47.5	3643	47.5	3726
42.5	5472	42.5	5606
37.5	8136	37.5	8463
33	11960	33	12593
29	15953	29	16617
25.5	18980	25.5	19227
22.5	21063	22.5	20752
19.5	22545	19.5	21912
17	23463	17	22750
15	24056	15	23385
13	24452	13	23952
11	24762	11	24427
9	24984	9	24823
7	25125	7	25142
5	25204	5	25375
3	25250	3	25498
1	25334	1	25441
0	25382	0	25382
-1	25334	-1	25441
-3	25250	-3	25498
-5	25204	-5	25375
-7	25125	-7	25142
-9	24984	-9	24823
-11	24762	-11	24427
-13	24452	-13	23952
-15	24056	-15	23385
-17	23463	-17	22750
-19.5	22545	-19.5	21912
-22.5	21063	-22.5	20752
-25.5	18980	-25.5	19227
-29	15953	-29	16617
-33	11960	-33	12593
-37.5	8136	-37.5	8463
-42.5	5472	-42.5	5606
-47.5	3643	-47.5	3726
-55	1550	-55	1703
-65	469	-65	621
-75	197	-75	231
-85	88	-85	91
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 25498

Beam Edge = 12749 Cd (50% of Max.)

Field Edge = 2549.8 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	7	24	41	53	57	61	66	70	74
75.0	0	22	60	88	125	145	156	171	187	215
65.0	0	35	88	159	256	330	384	436	481	517
55.0	0	48	117	232	415	590	713	855	994	1115
47.5	0	56	135	284	558	865	1107	1406	1715	2027
42.5	0	62	148	318	673	1091	1462	1935	2439	2934 *
37.5	0	66	159	349	792	1383	1921	2632 *	3383 *	4117 *
33.0	0	71	167	377	910	1689	2422	3387 *	4366 *	5333 *
29.0	0	74	175	400	1011	1999	2920 *	4106 *	5330 *	6685 *
25.5	0	77	180	419	1120	2274	3374 *	4753 *	6284 *	7971 *
22.5	0	79	184	432	1204	2540	3755 *	5301 *	7146 *	9210 *
19.5	0	81	187	445	1284	2778 *	4128 *	5878 *	8012 *	10562 *
17.0	0	82	190	452	1360	2965 *	4400 *	6328 *	8789 *	11797 *
15.0	0	83	192	457	1412	3110 *	4613 *	6651 *	9382 *	12675 *
13.0	0	84	193	459	1456	3239 *	4813 *	7010 *	9912 *	13471 *
11.0	0	87	195	460	1492	3351 *	4990 *	7325 *	10464 *	14184 *
9.0	0	87	196	464	1521	3445 *	5140 *	7591 *	10956 *	14807 *
7.0	0	87	197	468	1541	3521 *	5262 *	7805 *	11345 *	15285 *
5.0	0	87	198	470	1555	3579 *	5355 *	7965 *	11638 *	15629 *
3.0	0	88	198	472	1570	3639 *	5456 *	8073 *	11832 *	15863 *
1.0	0	88	197	470	1557	3642 *	5467 *	8135 *	11944 *	15953 *
0.0	0	88	197	469	1550	3643 *	5472 *	8136 *	11960 *	15953 *
-1.0	0	88	197	470	1557	3642 *	5467 *	8135 *	11944 *	15953 *
-3.0	0	88	198	472	1570	3639 *	5456 *	8073 *	11832 *	15863 *
-5.0	0	87	198	470	1555	3579 *	5355 *	7965 *	11638 *	15629 *
-7.0	0	87	197	468	1541	3521 *	5262 *	7805 *	11345 *	15285 *
-9.0	0	87	196	464	1521	3445 *	5140 *	7591 *	10956 *	14807 *
-11.0	0	87	195	460	1492	3351 *	4990 *	7325 *	10464 *	14184 *
-13.0	0	84	193	459	1456	3239 *	4813 *	7010 *	9912 *	13471 *
-15.0	0	83	192	457	1412	3110 *	4613 *	6651 *	9382 *	12675 *
-17.0	0	82	190	452	1360	2965 *	4400 *	6328 *	8789 *	11797 *
-19.5	0	81	187	445	1284	2778 *	4128 *	5878 *	8012 *	10562 *
-22.5	0	79	184	432	1204	2540	3755 *	5301 *	7146 *	9210 *
-25.5	0	77	180	419	1120	2274	3374 *	4753 *	6284 *	7971 *
-29.0	0	74	175	400	1011	1999	2920 *	4106 *	5330 *	6685 *
-33.0	0	71	167	377	910	1689	2422	3387 *	4366 *	5333 *
-37.5	0	66	159	349	792	1383	1921	2632 *	3383 *	4117 *
-42.5	0	62	148	318	673	1091	1462	1935	2439	2934 *
-47.5	0	56	135	284	558	865	1107	1406	1715	2027
-55.0	0	48	117	232	415	590	713	855	994	1115
-65.0	0	35	88	159	256	330	384	436	481	517
-75.0	0	22	60	88	125	145	156	171	187	215
-85.0	0	7	24	41	53	57	61	66	70	74
-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	77	79	81	83	84	85	87	88	88	89
75.0	238	248	252	253	254	252	248	244	240	235
65.0	546	567	585	599	608	615	618	619	619	617
55.0	1229	1312	1396	1475	1530	1577	1619	1654	1680	1698
47.5	2298	2560 *	2803 *	2998 *	3150 *	3287 *	3406 *	3505 *	3586 *	3648 *
42.5	3406 *	3806 *	4216 *	4524 *	4747 *	4952 *	5133 *	5285 *	5406 *	5495 *
37.5	4799 *	5386 *	6004 *	6495 *	6846 *	7223 *	7556 *	7844 *	8086 *	8277 *
33.0	6316 *	7223 *	8160 *	8986 *	9597 *	10143 *	10749 *	11322 *	11790 *	12143 *
29.0	7985 *	9356 *	10802 *	12068 *	13005 *	13851 *	14614 *	15287 *	15811 *	16177 *
25.5	9773 *	11658 *	13498 *	14915 *	15871 *	16696 *	17429 *	18000 *	18470 *	18815 *
22.5	11570 *	13680 *	15576 *	16945 *	17867 *	18613 *	19260 *	19736 *	20149 *	20453 *
19.5	13325 *	15493 *	17315 *	18596 *	19452 *	20127 *	20684 *	21084 *	21449 *	21720 *
17.0	14669 *	16767 *	18575 *	19757 *	20581 *	21194 *	21733 *	22079 *	22352 *	22587 *
15.0	15589 *	17695 *	19453 *	20627 *	21320 *	21957 *	22419 *	22782 *	23001 *	23218 *
13.0	16407 *	18517 *	20213 *	21303 *	22034 *	22570 *	23031 *	23389 *	23622 *	23779 *
11.0	17159 *	19247 *	20911 *	21964 *	22593 *	23136 *	23547 *	23877 *	24126 *	24259 *
9.0	17762 *	19833 *	21456 *	22474 *	23122 *	23615 *	23995 *	24264 *	24505 *	24666 *
7.0	18258 *	20335 *	21930 *	22900 *	23516 *	24017 *	24353 *	24605 *	24783 *	24969 *
5.0	18624 *	20704 *	22309 *	23246 *	23821 *	24266 *	24607 *	24861 *	25033 *	25119 *
3.0	18884 *	20947 *	22504 *	23435 *	24016 *	24432 *	24753 *	24994 *	25175 *	25279 *
1.0	18985 *	21072 *	22571 *	23499 *	24098 *	24497 *	24802 *	25022 *	25180 *	25279 *
0.0	18980 *	21063 *	22545 *	23463 *	24056 *	24452 *	24762 *	24984 *	25125 *	25204 *
-1.0	18985 *	21072 *	22571 *	23499 *	24098 *	24497 *	24802 *	25022 *	25180 *	25279 *
-3.0	18884 *	20947 *	22504 *	23435 *	24016 *	24432 *	24753 *	24994 *	25175 *	25279 *
-5.0	18624 *	20704 *	22309 *	23246 *	23821 *	24266 *	24607 *	24861 *	25033 *	25119 *
-7.0	18258 *	20335 *	21930 *	22900 *	23516 *	24017 *	24353 *	24605 *	24783 *	24969 *
-9.0	17762 *	19833 *	21456 *	22474 *	23122 *	23615 *	23995 *	24264 *	24505 *	24666 *
-11.0	17159 *	19247 *	20911 *	21964 *	22593 *	23136 *	23547 *	23877 *	24126 *	24259 *
-13.0	16407 *	18517 *	20213 *	21303 *	22034 *	22570 *	23031 *	23389 *	23622 *	23779 *
-15.0	15589 *	17695 *	19453 *	20627 *	21320 *	21957 *	22419 *	22782 *	23001 *	23218 *
-17.0	14669 *	16767 *	18575 *	19757 *	20581 *	21194 *	21733 *	22079 *	22352 *	22587 *
-19.5	13325 *	15493 *	17315 *	18596 *	19452 *	20127 *	20684 *	21084 *	21449 *	21720 *
-22.5	11570 *	13680 *	15576 *	16945 *	17867 *	18613 *	19260 *	19736 *	20149 *	20453 *
-25.5	9773 *	11658 *	13498 *	14915 *	15871 *	16696 *	17429 *	18000 *	18470 *	18815 *
-29.0	7985 *	9356 *	10802 *	12068 *	13005 *	13851 *	14614 *	15287 *	15811 *	16177 *
-33.0	6316 *	7223 *	8160 *	8986 *	9597 *	10143 *	10749 *	11322 *	11790 *	12143 *
-37.5	4799 *	5386 *	6004 *	6495 *	6846 *	7223 *	7556 *	7844 *	8086 *	8277 *
-42.5	3406 *	3806 *	4216 *	4524 *	4747 *	4952 *	5133 *	5285 *	5406 *	5495 *
-47.5	2298	2560 *	2803 *	2998 *	3150 *	3287 *	3406 *	3505 *	3586 *	3648 *
-55.0	1229	1312	1396	1475	1530	1577	1619	1654	1680	1698
-65.0	546	567	585	599	608	615	618	619	619	617
-75.0	238	248	252	253	254	252	248	244	240	235
-85.0	77	79	81	83	84	85	87	88	88	89
-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	90	91	91	91	90	89	88	88	87	85
75.0	233	232	231	232	233	235	240	244	248	252
65.0	622	621	621	621	622	617	619	619	618	615

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CANDELA TABULATION - (Cont.)

55.0	1715	1707	1703	1707	1715	1698	1680	1654	1619	1577
47.5	3714 *	3722 *	3726 *	3722 *	3714 *	3648 *	3586 *	3505 *	3406 *	3287 *
42.5	5590 *	5601 *	5606 *	5601 *	5590 *	5495 *	5406 *	5285 *	5133 *	4952 *
37.5	8413 *	8469 *	8463 *	8469 *	8413 *	8277 *	8086 *	7844 *	7556 *	7223 *
33.0	12384 *	12550 *	12593 *	12550 *	12384 *	12143 *	11790 *	11322 *	10749 *	10143 *
29.0	16442 *	16588 *	16617 *	16588 *	16442 *	16177 *	15811 *	15287 *	14614 *	13851 *
25.5	19051 *	19192 *	19227 *	19192 *	19051 *	18815 *	18470 *	18000 *	17429 *	16696 *
22.5	20646 *	20753 *	20752 *	20753 *	20646 *	20453 *	20149 *	19736 *	19260 *	18613 *
19.5	21849 *	21904 *	21912 *	21904 *	21849 *	21720 *	21449 *	21084 *	20684 *	20127 *
17.0	22697 *	22731 *	22750 *	22731 *	22697 *	22587 *	22352 *	22079 *	21733 *	21194 *
15.0	23336 *	23371 *	23385 *	23371 *	23336 *	23218 *	23001 *	22782 *	22419 *	21957 *
13.0	23895 *	23902 *	23952 *	23902 *	23895 *	23779 *	23622 *	23389 *	23031 *	22570 *
11.0	24382 *	24367 *	24427 *	24367 *	24382 *	24259 *	24126 *	23877 *	23547 *	23136 *
9.0	24772 *	24773 *	24823 *	24773 *	24772 *	24666 *	24505 *	24264 *	23995 *	23615 *
7.0	25066 *	25104 *	25142 *	25104 *	25066 *	24969 *	24783 *	24605 *	24353 *	24017 *
5.0	25272 *	25356 *	25375 *	25356 *	25272 *	25119 *	25033 *	24861 *	24607 *	24266 *
3.0	25337 *	25464 *	25498 *	25464 *	25337 *	25279 *	25175 *	24994 *	24753 *	24432 *
1.0	25359 *	25402 *	25441 *	25402 *	25359 *	25279 *	25180 *	25022 *	24802 *	24497 *
0.0	25250 *	25334 *	25382 *	25334 *	25250 *	25204 *	25125 *	24984 *	24762 *	24452 *
-1.0	25359 *	25402 *	25441 *	25402 *	25359 *	25279 *	25180 *	25022 *	24802 *	24497 *
-3.0	25337 *	25464 *	25498 *	25464 *	25337 *	25279 *	25175 *	24994 *	24753 *	24432 *
-5.0	25272 *	25356 *	25375 *	25356 *	25272 *	25119 *	25033 *	24861 *	24607 *	24266 *
-7.0	25066 *	25104 *	25142 *	25104 *	25066 *	24969 *	24783 *	24605 *	24353 *	24017 *
-9.0	24772 *	24773 *	24823 *	24773 *	24772 *	24666 *	24505 *	24264 *	23995 *	23615 *
-11.0	24382 *	24367 *	24427 *	24367 *	24382 *	24259 *	24126 *	23877 *	23547 *	23136 *
-13.0	23895 *	23902 *	23952 *	23902 *	23895 *	23779 *	23622 *	23389 *	23031 *	22570 *
-15.0	23336 *	23371 *	23385 *	23371 *	23336 *	23218 *	23001 *	22782 *	22419 *	21957 *
-17.0	22697 *	22731 *	22750 *	22731 *	22697 *	22587 *	22352 *	22079 *	21733 *	21194 *
-19.5	21849 *	21904 *	21912 *	21904 *	21849 *	21720 *	21449 *	21084 *	20684 *	20127 *
-22.5	20646 *	20753 *	20752 *	20753 *	20646 *	20453 *	20149 *	19736 *	19260 *	18613 *
-25.5	19051 *	19192 *	19227 *	19192 *	19051 *	18815 *	18470 *	18000 *	17429 *	16696 *
-29.0	16442 *	16588 *	16617 *	16588 *	16442 *	16177 *	15811 *	15287 *	14614 *	13851 *
-33.0	12384 *	12550 *	12593 *	12550 *	12384 *	12143 *	11790 *	11322 *	10749 *	10143 *
-37.5	8413 *	8469 *	8463 *	8469 *	8413 *	8277 *	8086 *	7844 *	7556 *	7223 *
-42.5	5590 *	5601 *	5606 *	5601 *	5590 *	5495 *	5406 *	5285 *	5133 *	4952 *
-47.5	3714 *	3722 *	3726 *	3722 *	3714 *	3648 *	3586 *	3505 *	3406 *	3287 *
-55.0	1715	1707	1703	1707	1715	1698	1680	1654	1619	1577
-65.0	622	621	621	621	622	617	619	619	618	615
-75.0	233	232	231	232	233	235	240	244	248	252
-85.0	90	91	91	91	90	89	88	88	87	85
-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	84	83	81	79	77	74	70	66	61	57
75.0	254	253	252	248	238	215	187	171	156	145
65.0	608	599	585	567	546	517	481	436	384	330
55.0	1530	1475	1396	1312	1229	1115	994	855	713	590
47.5	3150 *	2998 *	2803 *	2560 *	2298	2027	1715	1406	1107	865
42.5	4747 *	4524 *	4216 *	3806 *	3406 *	2934 *	2439	1935	1462	1091
37.5	6846 *	6495 *	6004 *	5386 *	4799 *	4117 *	3383 *	2632 *	1921	1383
33.0	9597 *	8986 *	8160 *	7223 *	6316 *	5333 *	4366 *	3387 *	2422	1689
29.0	13005 *	12068 *	10802 *	9356 *	7985 *	6685 *	5330 *	4106 *	2920 *	1999
25.5	15871 *	14915 *	13498 *	11658 *	9773 *	7971 *	6284 *	4753 *	3374 *	2274

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CANDELA TABULATION - (Cont.)

22.5	17867 *	16945 *	15576 *	13680 *	11570 *	9210 *	7146 *	5301 *	3755 *	2540
19.5	19452 *	18596 *	17315 *	15493 *	13325 *	10562 *	8012 *	5878 *	4128 *	2778 *
17.0	20581 *	19757 *	18575 *	16767 *	14669 *	11797 *	8789 *	6328 *	4400 *	2965 *
15.0	21320 *	20627 *	19453 *	17695 *	15589 *	12675 *	9382 *	6651 *	4613 *	3110 *
13.0	22034 *	21303 *	20213 *	18517 *	16407 *	13471 *	9912 *	7010 *	4813 *	3239 *
11.0	22593 *	21964 *	20911 *	19247 *	17159 *	14184 *	10464 *	7325 *	4990 *	3351 *
9.0	23122 *	22474 *	21456 *	19833 *	17762 *	14807 *	10956 *	7591 *	5140 *	3445 *
7.0	23516 *	22900 *	21930 *	20335 *	18258 *	15285 *	11345 *	7805 *	5262 *	3521 *
5.0	23821 *	23246 *	22309 *	20704 *	18624 *	15629 *	11638 *	7965 *	5355 *	3579 *
3.0	24016 *	23435 *	22504 *	20947 *	18884 *	15863 *	11832 *	8073 *	5456 *	3639 *
1.0	24098 *	23499 *	22571 *	21072 *	18985 *	15953 *	11944 *	8135 *	5467 *	3642 *
0.0	24056 *	23463 *	22545 *	21063 *	18980 *	15953 *	11960 *	8136 *	5472 *	3643 *
-1.0	24098 *	23499 *	22571 *	21072 *	18985 *	15953 *	11944 *	8135 *	5467 *	3642 *
-3.0	24016 *	23435 *	22504 *	20947 *	18884 *	15863 *	11832 *	8073 *	5456 *	3639 *
-5.0	23821 *	23246 *	22309 *	20704 *	18624 *	15629 *	11638 *	7965 *	5355 *	3579 *
-7.0	23516 *	22900 *	21930 *	20335 *	18258 *	15285 *	11345 *	7805 *	5262 *	3521 *
-9.0	23122 *	22474 *	21456 *	19833 *	17762 *	14807 *	10956 *	7591 *	5140 *	3445 *
-11.0	22593 *	21964 *	20911 *	19247 *	17159 *	14184 *	10464 *	7325 *	4990 *	3351 *
-13.0	22034 *	21303 *	20213 *	18517 *	16407 *	13471 *	9912 *	7010 *	4813 *	3239 *
-15.0	21320 *	20627 *	19453 *	17695 *	15589 *	12675 *	9382 *	6651 *	4613 *	3110 *
-17.0	20581 *	19757 *	18575 *	16767 *	14669 *	11797 *	8789 *	6328 *	4400 *	2965 *
-19.5	19452 *	18596 *	17315 *	15493 *	13325 *	10562 *	8012 *	5878 *	4128 *	2778 *
-22.5	17867 *	16945 *	15576 *	13680 *	11570 *	9210 *	7146 *	5301 *	3755 *	2540
-25.5	15871 *	14915 *	13498 *	11658 *	9773 *	7971 *	6284 *	4753 *	3374 *	2274
-29.0	13005 *	12068 *	10802 *	9356 *	7985 *	6685 *	5330 *	4106 *	2920 *	1999
-33.0	9597 *	8986 *	8160 *	7223 *	6316 *	5333 *	4366 *	3387 *	2422	1689
-37.5	6846 *	6495 *	6004 *	5386 *	4799 *	4117 *	3383 *	2632 *	1921	1383
-42.5	4747 *	4524 *	4216 *	3806 *	3406 *	2934 *	2439	1935	1462	1091
-47.5	3150 *	2998 *	2803 *	2560 *	2298	2027	1715	1406	1107	865
-55.0	1530	1475	1396	1312	1229	1115	994	855	713	590
-65.0	608	599	585	567	546	517	481	436	384	330
-75.0	254	253	252	248	238	215	187	171	156	145
-85.0	84	83	81	79	77	74	70	66	61	57
-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	53	41	24	7	0
75.0	125	88	60	22	0
65.0	256	159	88	35	0
55.0	415	232	117	48	0
47.5	558	284	135	56	0
42.5	673	318	148	62	0
37.5	792	349	159	66	0
33.0	910	377	167	71	0
29.0	1011	400	175	74	0
25.5	1120	419	180	77	0
22.5	1204	432	184	79	0
19.5	1284	445	187	81	0
17.0	1360	452	190	82	0
15.0	1412	457	192	83	0
13.0	1456	459	193	84	0
11.0	1492	460	195	87	0
9.0	1521	464	196	87	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1541	468	197	87	0
5.0	1555	470	198	87	0
3.0	1570	472	198	88	0
1.0	1557	470	197	88	0
0.0	1550	469	197	88	0
-1.0	1557	470	197	88	0
-3.0	1570	472	198	88	0
-5.0	1555	470	198	87	0
-7.0	1541	468	197	87	0
-9.0	1521	464	196	87	0
-11.0	1492	460	195	87	0
-13.0	1456	459	193	84	0
-15.0	1412	457	192	83	0
-17.0	1360	452	190	82	0
-19.5	1284	445	187	81	0
-22.5	1204	432	184	79	0
-25.5	1120	419	180	77	0
-29.0	1011	400	175	74	0
-33.0	910	377	167	71	0
-37.5	792	349	159	66	0
-42.5	673	318	148	62	0
-47.5	558	284	135	56	0
-55.0	415	232	117	48	0
-65.0	256	159	88	35	0
-75.0	125	88	60	22	0
-85.0	53	41	24	7	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15277.42

Total Field Lumens (one side of beam only) = 14075.68

* 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	0.07	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.15
75	0.49	0.98	0.98	0.99	1.00	1.00	1.00	1.00	0.99	1.21
65	1.30	2.60	2.59	2.59	2.60	2.59	2.58	2.56	2.51	3.05
55	3.54	7.10	7.07	6.99	6.90	6.76	6.60	6.40	6.17	7.33
47.5	6.20 *	12.40 *	12.28 *	12.06 *	11.79 *	11.46	11.05	10.58	10.05	11.76
42.5	7.10 *	14.18 *	14.01 *	13.73 *	13.41 *	13.00 *	12.50 *	11.92 *	11.29 *	13.14 *
37.5	10.71 *	21.36 *	21.10 *	20.65 *	20.07 *	19.36 *	18.52 *	17.56 *	16.55 *	19.20 *
33	14.42 *	28.64 *	28.18 *	27.47 *	26.50 *	25.29 *	23.91 *	22.48 *	21.03 *	24.12 *
29	17.77 *	35.29 *	34.73 *	33.88 *	32.70 *	31.18 *	29.41 *	27.54 *	25.57 *	28.94 *
25.5	19.09 *	37.97 *	37.48 *	36.72 *	35.67 *	34.30 *	32.63 *	30.73 *	28.62 *	32.45 *
22.5	18.26 *	36.37 *	35.99 *	35.39 *	34.55 *	33.49 *	32.18 *	30.61 *	28.81 *	33.05 *
19.5	19.49 *	38.88 *	38.59 *	38.07 *	37.29 *	36.34 *	35.17 *	33.72 *	32.00 *	37.12 *
17	17.00 *	33.94 *	33.75 *	33.36 *	32.79 *	32.09 *	31.19 *	30.06 *	28.69 *	33.56 *
15	14.05 *	28.05 *	27.91 *	27.61 *	27.21 *	26.70 *	26.01 *	25.14 *	24.09 *	28.35 *
13	14.41 *	28.77 *	28.63 *	28.36 *	27.99 *	27.48 *	26.81 *	25.97 *	24.97 *	29.50 *
11	14.72 *	29.39 *	29.27 *	29.02 *	28.66 *	28.15 *	27.50 *	26.70 *	25.74 *	30.51 *
9	14.98 *	29.92 *	29.80 *	29.55 *	29.19 *	28.70 *	28.09 *	27.33 *	26.40 *	31.39 *
7	15.21 *	30.35 *	30.23 *	29.97 *	29.61 *	29.16 *	28.60 *	27.86 *	26.94 *	32.09 *
5	15.38 *	30.68 *	30.52 *	30.26 *	29.95 *	29.53 *	28.97 *	28.26 *	27.37 *	32.68 *
3	15.49 *	30.88 *	30.69 *	30.48 *	30.18 *	29.76 *	29.22 *	28.53 *	27.68 *	33.08 *
1	15.51 *	30.92 *	30.77 *	30.57 *	30.28 *	29.87 *	29.34 *	28.68 *	27.83 *	33.27 *
0	7.73 *	15.43 *	15.36 *	15.27 *	15.13 *	14.93 *	14.68 *	14.35 *	13.93 *	16.65 *
-1	7.73 *	15.43 *	15.36 *	15.27 *	15.13 *	14.93 *	14.68 *	14.35 *	13.93 *	16.65 *
	15.51 *	30.92 *	30.77 *	30.57 *	30.28 *	29.87 *	29.34 *	28.68 *	27.83 *	33.27 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	15.49 *	30.88 *	30.69 *	30.48 *	30.18 *	29.76 *	29.22 *	28.53 *	27.68 *	33.08 *
-5	15.38 *	30.68 *	30.52 *	30.26 *	29.95 *	29.53 *	28.97 *	28.26 *	27.37 *	32.68 *
-7	15.21 *	30.35 *	30.23 *	29.97 *	29.61 *	29.16 *	28.60 *	27.86 *	26.94 *	32.09 *
-9	14.98 *	29.92 *	29.80 *	29.55 *	29.19 *	28.70 *	28.09 *	27.33 *	26.40 *	31.39 *
-11	14.72 *	29.39 *	29.27 *	29.02 *	28.66 *	28.15 *	27.50 *	26.70 *	25.74 *	30.51 *
-13	14.41 *	28.77 *	28.63 *	28.36 *	27.99 *	27.48 *	26.81 *	25.97 *	24.97 *	29.50 *
-15	14.05 *	28.05 *	27.91 *	27.61 *	27.21 *	26.70 *	26.01 *	25.14 *	24.09 *	28.35 *
-17	17.00 *	33.94 *	33.75 *	33.36 *	32.79 *	32.09 *	31.19 *	30.06 *	28.69 *	33.56 *
-19.5	19.49 *	38.88 *	38.59 *	38.07 *	37.29 *	36.34 *	35.17 *	33.72 *	32.00 *	37.12 *
-22.5	18.26 *	36.37 *	35.99 *	35.39 *	34.55 *	33.49 *	32.18 *	30.61 *	28.81 *	33.05 *
-25.5	19.09 *	37.97 *	37.48 *	36.72 *	35.67 *	34.30 *	32.63 *	30.73 *	28.62 *	32.45 *
-29	17.77 *	35.29 *	34.73 *	33.88 *	32.70 *	31.18 *	29.41 *	27.54 *	25.57 *	28.94 *
-33	14.42 *	28.64 *	28.18 *	27.47 *	26.50 *	25.29 *	23.91 *	22.48 *	21.03 *	24.12 *
-37.5	10.71 *	21.36 *	21.10 *	20.65 *	20.07 *	19.36 *	18.52 *	17.56 *	16.55 *	19.20 *
-42.5	7.10 *	14.18 *	14.01 *	13.73 *	13.41 *	13.00 *	12.50 *	11.92 *	11.29 *	13.14 *
-47.5	6.20 *	12.40 *	12.28 *	12.06 *	11.79 *	11.46	11.05	10.58	10.05	11.76
-55	3.54	7.10	7.07	6.99	6.90	6.76	6.60	6.40	6.17	7.33
-65	1.30	2.60	2.59	2.59	2.60	2.59	2.58	2.56	2.51	3.05
-75	0.49	0.98	0.98	0.99	1.00	1.00	1.00	1.00	0.99	1.21
-85	0.07	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.15
-90										
Total	525.85	1048.46	1040.11	1026.24	1007.17	982.56	952.16	916.22	874.67	1025.23

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.17	0.16	0.18	0.19	0.19	0.19	0.16	0.20	0.18	0.08
85	1.41	1.34	1.43	1.43	1.38	1.32	1.13	1.36	1.17	0.55
75	3.52	3.34	3.59	3.65	3.57	3.34	2.73	3.06	2.39	1.03
65	8.23	7.63	8.07	8.11	7.74	6.96	5.43	5.68	4.04	1.55
55	12.91	11.58	11.85	11.46	10.43	8.93	6.61	6.51	4.25	1.50

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LUMENS TABULATION - (Cont.)

47.5										
	14.27 *	12.59 *	12.63 *	11.90	10.49	8.62	6.09	5.69	3.49	1.15
42.5	20.70 *	18.15 *	18.07 *	16.80 *	14.53 *	11.59	7.88	7.04	4.05	1.27
37.5	25.69 *	22.28 *	21.93 *	20.20 *	17.33 *	13.60 *	8.98	7.67	4.16	1.23
33	30.32 *	25.78 *	24.94 *	22.67 *	19.24 *	14.97 *	9.72	8.02	4.10	1.16
29	33.82 *	28.32 *	26.88 *	24.00 *	20.05 *	15.46 *	9.95 *	8.01	3.93	1.07
25.5	34.81 *	29.23 *	27.38 *	23.97 *	19.71 *	15.03 *	9.64 *	7.65	3.62	0.95
22.5	39.71 *	33.85 *	31.75 *	27.36 *	22.11 *	16.68 *	10.66 *	8.37	3.84	0.97
19.5	36.33 *	31.44 *	29.82 *	25.56 *	20.29 *	15.11 *	9.60 *	7.49	3.37	0.83
17	30.92 *	27.01 *	25.93 *	22.26 *	17.43 *	12.83 *	8.12 *	6.32	2.80	0.67
15	32.36 *	28.47 *	27.55 *	23.72 *	18.44 *	13.46 *	8.49 *	6.59	2.88	0.68
13	33.65 *	29.77 *	29.01 *	25.08 *	19.42 *	14.08 *	8.82 *	6.81	2.94	0.68
11	34.74 *	30.89 *	30.28 *	26.32 *	20.33 *	14.61 *	9.11 *	7.01	2.99	0.68
9	35.64 *	31.80 *	31.33 *	27.35 *	21.09 *	15.05 *	9.35 *	7.16	3.04	0.69
7	36.37 *	32.52 *	32.12 *	28.14 *	21.69 *	15.39 *	9.54 *	7.28	3.07	0.69
5	36.88 *	33.04 *	32.70 *	28.70 *	22.11 *	15.66 *	9.71 *	7.39 *	3.09	0.70
3	37.15 *	33.34 *	33.02 *	29.03 *	22.37 *	15.82 *	9.80 *	7.44 *	3.09	0.70
1	18.61 *	16.72 *	16.55 *	14.57 *	11.24 *	7.93 *	4.91 *	3.71 *	1.54	0.35
0	18.61 *	16.72 *	16.55 *	14.57 *	11.24 *	7.93 *	4.91 *	3.71 *	1.54	0.35
-1	37.15 *	33.34 *	33.02 *	29.03 *	22.37 *	15.82 *	9.80 *	7.44 *	3.09	0.70
-3	36.88 *	33.04 *	32.70 *	28.70 *	22.11 *	15.66 *	9.71 *	7.39 *	3.09	0.70
-5	36.37 *	32.52 *	32.12 *	28.14 *	21.69 *	15.39 *	9.54 *	7.28	3.07	0.69
-7	35.64 *	31.80 *	31.33 *	27.35 *	21.09 *	15.05 *	9.35 *	7.16	3.04	0.69
-9	34.74 *	30.89 *	30.28 *	26.32 *	20.33 *	14.61 *	9.11 *	7.01	2.99	0.68
-11	33.65 *	29.77 *	29.01 *	25.08 *	19.42 *	14.08 *	8.82 *	6.81	2.94	0.68
-13	32.36 *	28.47 *	27.55 *	23.72 *	18.44 *	13.46 *	8.49 *	6.59	2.88	0.68
-15	30.92 *	27.01 *	25.93 *	22.26 *	17.43 *	12.83 *	8.12 *	6.32	2.80	0.67
-17	36.33 *	31.44 *	29.82 *	25.56 *	20.29 *	15.11 *	9.60 *	7.49	3.37	0.83
-19.5	39.71 *	33.85 *	31.75 *	27.36 *	22.11 *	16.68 *	10.66 *	8.37	3.84	0.97

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LUMENS TABULATION - (Cont.)

-22.5	34.81 *	29.23 *	27.38 *	23.97 *	19.71 *	15.03 *	9.64 *	7.65	3.62	0.95
-25.5	33.82 *	28.32 *	26.88 *	24.00 *	20.05 *	15.46 *	9.95 *	8.01	3.93	1.07
-29	30.32 *	25.78 *	24.94 *	22.67 *	19.24 *	14.97 *	9.72	8.02	4.10	1.16
-33	25.69 *	22.28 *	21.93 *	20.20 *	17.33 *	13.60 *	8.98	7.67	4.16	1.23
-37.5	20.70 *	18.15 *	18.07 *	16.80 *	14.53 *	11.59	7.88	7.04	4.05	1.27
-42.5	14.27 *	12.59 *	12.63 *	11.90	10.49	8.62	6.09	5.69	3.49	1.15
-47.5	12.91	11.58	11.85	11.46	10.43	8.93	6.61	6.51	4.25	1.50
-55	8.23	7.63	8.07	8.11	7.74	6.96	5.43	5.68	4.04	1.55
-65	3.52	3.34	3.59	3.65	3.57	3.34	2.73	3.06	2.39	1.03
-75	1.41	1.34	1.43	1.43	1.38	1.32	1.13	1.36	1.17	0.55
-85	0.17	0.16	0.18	0.19	0.19	0.19	0.16	0.20	0.18	0.08
-90										
Total	1116.45	978.47	954.06	844.95	682.36	513.25	332.89	272.90	136.04	38.36

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		2.98
85				
	0.15	0.00		22.31
75				
	0.27	0.01		55.48
65				
	0.38	0.01		128.69
55				
	0.35	0.01		195.99
47.5				
	0.26	0.01		211.48
42.5				
	0.29	0.01		305.48
37.5				
	0.28	0.01		385.40
33				
	0.26	0.01		458.21
29				
	0.23	0.01		497.41
25.5				
	0.21	0.01		490.91
22.5				
	0.21	0.01		542.16
19.5				
	0.18	0.01		486.45
17				
	0.14	0.01		409.57

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

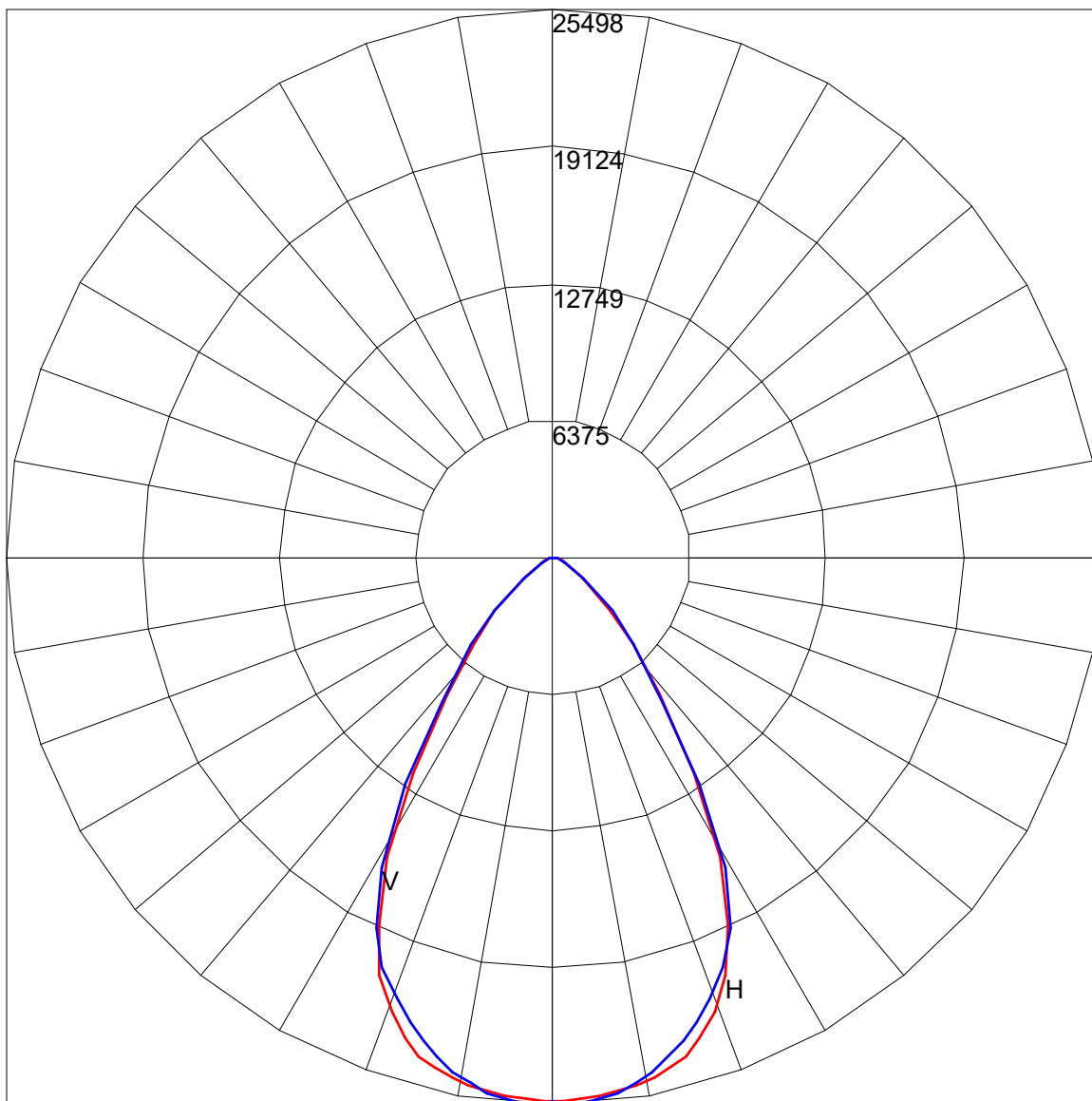
15	0.15	0.01	425.70
13	0.15	0.01	440.07
11	0.15	0.01	452.49
9	0.15	0.01	462.67
7	0.15	0.01	470.58
5	0.15	0.01	476.10
3	0.15	0.01	478.94
1	0.08	0.00	239.65
0	0.08	0.00	239.65
-1	0.15	0.01	478.94
-3	0.15	0.01	476.10
-5	0.15	0.01	470.58
-7	0.15	0.01	462.67
-9	0.15	0.01	452.49
-11	0.15	0.01	440.07
-13	0.15	0.01	425.70
-15	0.14	0.01	409.57
-17	0.18	0.01	486.45
-19.5	0.21	0.01	542.16
-22.5	0.21	0.01	490.91
-25.5	0.23	0.01	497.41
-29	0.26	0.01	458.21
-33	0.28	0.01	385.40
-37.5	0.29	0.01	305.48
-42.5	0.26	0.01	211.48
-47.5	0.35	0.01	195.99
-55	0.38	0.01	128.69
-65	0.27	0.01	55.48

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-50-80.IES

LUMENS TABULATION - (Cont.)

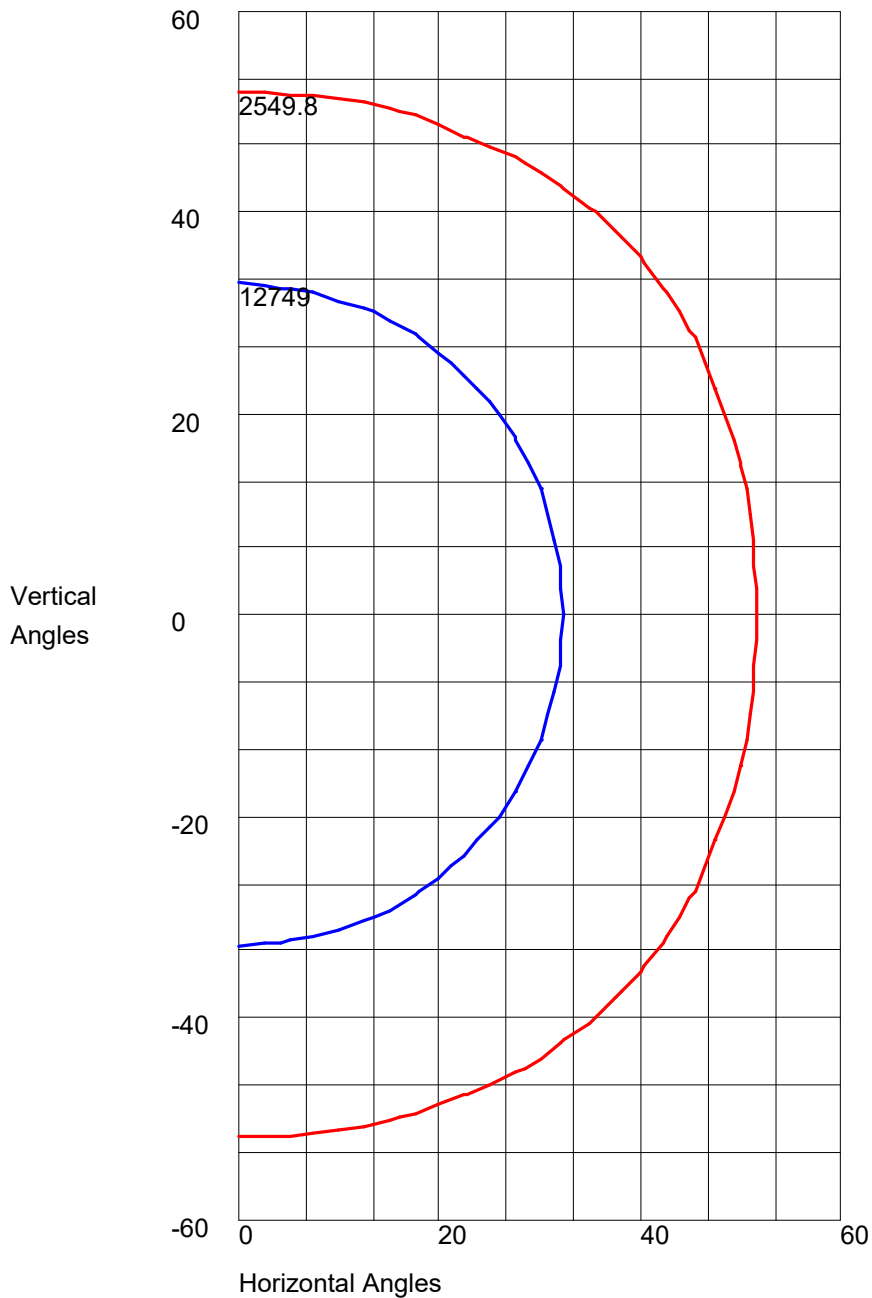
-75	0.15	0.00	22.31
-85	0.02	0.00	2.98
-90			
Total	8.70	0.32	15277.42

AXIAL CANDELA DISPLAY



Maximum Candela = 25498 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 25498 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 12749
10% Maximum Candela = 2549.8