



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-50-80-FGS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12619  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 04/01/21  
[TEST DATE] 03/17/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-24L-PC-WF-50-80-FGS  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor  
[SEARCH\_COLORTEMP] 4000

Note: Candela values converted from Type-C to Type-B

**CHARACTERISTICS**

NEMA Type	5 H x 5 V
Maximum Candela	24869
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	57.7
Vertical Beam Angle (50%)	61.3
Horizontal Field Angle (10%)	90.3
Vertical Field Angle (10%)	96.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	16142
Beam Efficiency	N.A.
Field Lumens	22866
Field Efficiency	N.A.
Spill Lumens	1767
Luminaire Lumens	24633
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	11	85	16
75	37	75	35
65	76	65	257
55	603	55	954
47.5	1835	47.5	2622
42.5	3225	42.5	4143
37.5	5341	37.5	6289
33	8578	33	10050
29	12392	29	14076
25.5	15620	25.5	17021
22.5	18194	22.5	19229
19.5	20106	19.5	20941
17	21768	17	22204
15	22710	15	22808
13	23696	13	23387
11	24245	11	23857
9	24523	9	24246
7	24645	7	24559
5	24679	5	24771
3	24682	3	24869
1	24711	1	24796
0	24730	0	24730
-1	24711	-1	24796
-3	24682	-3	24869
-5	24679	-5	24771
-7	24645	-7	24559
-9	24523	-9	24246
-11	24245	-11	23857
-13	23696	-13	23387
-15	22710	-15	22808
-17	21768	-17	22204
-19.5	20106	-19.5	20941
-22.5	18194	-22.5	19229
-25.5	15620	-25.5	17021
-29	12392	-29	14076
-33	8578	-33	10050
-37.5	5341	-37.5	6289
-42.5	3225	-42.5	4143
-47.5	1835	-47.5	2622
-55	603	-55	954
-65	76	-65	257
-75	37	-75	35
-85	11	-85	16
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 24869

Beam Edge = 12434.5 Cd (50% of Max.)

Field Edge = 2486.9 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	1	4	7	9	9	10	11	12	13
<b>75.0</b>	0	3	9	14	18	20	22	24	25	27
<b>65.0</b>	0	5	14	22	29	35	44	67	97	123
<b>55.0</b>	0	7	18	31	44	90	163	254	345	430
<b>47.5</b>	0	8	21	40	68	224	375	571	770	1013
<b>42.5</b>	0	8	24	45	106	345	570	839	1177	1558
<b>37.5</b>	0	9	26	50	167	512	787	1214	1768	2323
<b>33.0</b>	0	9	28	53	234	682	1075	1713	2444	3273 *
<b>29.0</b>	0	10	30	56	294	864	1380	2246	3267 *	4405 *
<b>25.5</b>	0	10	32	58	361	1036	1700	2782 *	4072 *	5597 *
<b>22.5</b>	0	10	33	62	411	1198	1986	3265 *	4837 *	6747 *
<b>19.5</b>	0	10	34	66	458	1342	2282	3745 *	5615 *	7953 *
<b>17.0</b>	0	11	35	69	503	1464	2488 *	4103 *	6291 *	8971 *
<b>15.0</b>	0	11	35	70	532	1561	2647 *	4358 *	6777 *	9660 *
<b>13.0</b>	0	11	36	72	557	1642	2785 *	4628 *	7214 *	10335 *
<b>11.0</b>	0	11	36	73	576	1710	2901 *	4851 *	7630 *	10934 *
<b>9.0</b>	0	11	36	74	589	1763	2998 *	5029 *	7979 *	11449 *
<b>7.0</b>	0	11	37	75	598	1802	3074 *	5161 *	8252 *	11848 *
<b>5.0</b>	0	11	37	75	606	1828	3130 *	5247 *	8446 *	12127 *
<b>3.0</b>	0	11	37	76	613	1851	3209 *	5304 *	8559 *	12302 *
<b>1.0</b>	0	11	37	76	607	1840	3220 *	5345 *	8593 *	12390 *
<b>0.0</b>	0	11	37	76	603	1835	3225 *	5341 *	8578 *	12392 *
<b>-1.0</b>	0	11	37	76	607	1840	3220 *	5345 *	8593 *	12390 *
<b>-3.0</b>	0	11	37	76	613	1851	3209 *	5304 *	8559 *	12302 *
<b>-5.0</b>	0	11	37	75	606	1828	3130 *	5247 *	8446 *	12127 *
<b>-7.0</b>	0	11	37	75	598	1802	3074 *	5161 *	8252 *	11848 *
<b>-9.0</b>	0	11	36	74	589	1763	2998 *	5029 *	7979 *	11449 *
<b>-11.0</b>	0	11	36	73	576	1710	2901 *	4851 *	7630 *	10934 *
<b>-13.0</b>	0	11	36	72	557	1642	2785 *	4628 *	7214 *	10335 *
<b>-15.0</b>	0	11	35	70	532	1561	2647 *	4358 *	6777 *	9660 *
<b>-17.0</b>	0	11	35	69	503	1464	2488 *	4103 *	6291 *	8971 *
<b>-19.5</b>	0	10	34	66	458	1342	2282	3745 *	5615 *	7953 *
<b>-22.5</b>	0	10	33	62	411	1198	1986	3265 *	4837 *	6747 *
<b>-25.5</b>	0	10	32	58	361	1036	1700	2782 *	4072 *	5597 *
<b>-29.0</b>	0	10	30	56	294	864	1380	2246	3267 *	4405 *
<b>-33.0</b>	0	9	28	53	234	682	1075	1713	2444	3273 *
<b>-37.5</b>	0	9	26	50	167	512	787	1214	1768	2323
<b>-42.5</b>	0	8	24	45	106	345	570	839	1177	1558
<b>-47.5</b>	0	8	21	40	68	224	375	571	770	1013
<b>-55.0</b>	0	7	18	31	44	90	163	254	345	430
<b>-65.0</b>	0	5	14	22	29	35	44	67	97	123
<b>-75.0</b>	0	3	9	14	18	20	22	24	25	27
<b>-85.0</b>	0	1	4	7	9	9	10	11	12	13
<b>-90.0</b>	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	14	14	14	15	15	15	15	16	16	16
75.0	29	31	32	33	33	34	34	34	35	35
65.0	145	165	187	204	218	229	236	242	247	250
55.0	522	593	672	751	809	861	898	924	944	959
47.5	1246	1471	1710	1905	2060	2209	2349	2442	2518 *	2577 *
42.5	1958	2302	2661 *	2956 *	3202 *	3437 *	3652 *	3811 *	3927 *	4018 *
37.5	2872 *	3410 *	4010 *	4485 *	4826 *	5210 *	5562 *	5868 *	6051 *	6170 *
33.0	4142 *	4972 *	5819 *	6667 *	7313 *	7885 *	8490 *	9045 *	9468 *	9776 *
29.0	5645 *	6915 *	8286 *	9521 *	10491 *	11434 *	12223 *	12925 *	13484 *	13814 *
25.5	7283 *	8958 *	10761 *	12207 *	13341 *	14372 *	15266 *	15944 *	16460 *	16772 *
22.5	8910 *	10897 *	12955 *	14534 *	15681 *	16735 *	17604 *	18197 *	18666 *	19008 *
19.5	10557 *	12765 *	15008 *	16670 *	17843 *	18844 *	19611 *	20180 *	20613 *	20893 *
17.0	11714 *	14204 *	16359 *	18076 *	19311 *	20205 *	21052 *	21491 *	21792 *	22064 *
15.0	12582 *	15065 *	17188 *	18950 *	20076 *	21045 *	21791 *	22269 *	22472 *	22684 *
13.0	13315 *	15819 *	17916 *	19572 *	20756 *	21691 *	22421 *	22857 *	23080 *	23230 *
11.0	13954 *	16528 *	18528 *	20231 *	21259 *	22220 *	23005 *	23369 *	23574 *	23710 *
9.0	14516 *	17052 *	19064 *	20717 *	21810 *	22708 *	23406 *	23812 *	23973 *	24103 *
7.0	14994 *	17496 *	19568 *	21185 *	22208 *	23084 *	23759 *	24070 *	24299 *	24405 *
5.0	15356 *	17840 *	19916 *	21583 *	22447 *	23334 *	24071 *	24299 *	24445 *	24626 *
3.0	15568 *	18086 *	20116 *	21769 *	22596 *	23529 *	24136 *	24424 *	24620 *	24663 *
1.0	15637 *	18215 *	20158 *	21802 *	22709 *	23644 *	24193 *	24485 *	24628 *	24683 *
0.0	15620 *	18194 *	20106 *	21768 *	22710 *	23696 *	24245 *	24523 *	24645 *	24679 *
-1.0	15637 *	18215 *	20158 *	21802 *	22709 *	23644 *	24193 *	24485 *	24628 *	24683 *
-3.0	15568 *	18086 *	20116 *	21769 *	22596 *	23529 *	24136 *	24424 *	24620 *	24663 *
-5.0	15356 *	17840 *	19916 *	21583 *	22447 *	23334 *	24071 *	24299 *	24445 *	24626 *
-7.0	14994 *	17496 *	19568 *	21185 *	22208 *	23084 *	23759 *	24070 *	24299 *	24405 *
-9.0	14516 *	17052 *	19064 *	20717 *	21810 *	22708 *	23406 *	23812 *	23973 *	24103 *
-11.0	13954 *	16528 *	18528 *	20231 *	21259 *	22220 *	23005 *	23369 *	23574 *	23710 *
-13.0	13315 *	15819 *	17916 *	19572 *	20756 *	21691 *	22421 *	22857 *	23080 *	23230 *
-15.0	12582 *	15065 *	17188 *	18950 *	20076 *	21045 *	21791 *	22269 *	22472 *	22684 *
-17.0	11714 *	14204 *	16359 *	18076 *	19311 *	20205 *	21052 *	21491 *	21792 *	22064 *
-19.5	10557 *	12765 *	15008 *	16670 *	17843 *	18844 *	19611 *	20180 *	20613 *	20893 *
-22.5	8910 *	10897 *	12955 *	14534 *	15681 *	16735 *	17604 *	18197 *	18666 *	19008 *
-25.5	7283 *	8958 *	10761 *	12207 *	13341 *	14372 *	15266 *	15944 *	16460 *	16772 *
-29.0	5645 *	6915 *	8286 *	9521 *	10491 *	11434 *	12223 *	12925 *	13484 *	13814 *
-33.0	4142 *	4972 *	5819 *	6667 *	7313 *	7885 *	8490 *	9045 *	9468 *	9776 *
-37.5	2872 *	3410 *	4010 *	4485 *	4826 *	5210 *	5562 *	5868 *	6051 *	6170 *
-42.5	1958	2302	2661 *	2956 *	3202 *	3437 *	3652 *	3811 *	3927 *	4018 *
-47.5	1246	1471	1710	1905	2060	2209	2349	2442	2518 *	2577 *
-55.0	522	593	672	751	809	861	898	924	944	959
-65.0	145	165	187	204	218	229	236	242	247	250
-75.0	29	31	32	33	33	34	34	34	35	35
-85.0	14	14	14	15	15	15	15	16	16	16
-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	16	16	16	16	16	16	16	16	15	15
75.0	35	35	35	35	35	35	35	34	34	34
65.0	255	256	257	256	255	250	247	242	236	229

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**CANDELA TABULATION - (Cont.)**

55.0	969	959	954	959	969	959	944	924	898	861
47.5	2630 *	2625 *	2622 *	2625 *	2630 *	2577 *	2518 *	2442	2349	2209
42.5	4112 *	4133 *	4143 *	4133 *	4112 *	4018 *	3927 *	3811 *	3652 *	3437 *
37.5	6231 *	6287 *	6289 *	6287 *	6231 *	6170 *	6051 *	5868 *	5562 *	5210 *
33.0	9981 *	10054 *	10050 *	10054 *	9981 *	9776 *	9468 *	9045 *	8490 *	7885 *
29.0	14023 *	14090 *	14076 *	14090 *	14023 *	13814 *	13484 *	12925 *	12223 *	11434 *
25.5	16962 *	17033 *	17021 *	17033 *	16962 *	16772 *	16460 *	15944 *	15266 *	14372 *
22.5	19203 *	19273 *	19229 *	19273 *	19203 *	19008 *	18666 *	18197 *	17604 *	16735 *
19.5	20984 *	20980 *	20941 *	20980 *	20984 *	20893 *	20613 *	20180 *	19611 *	18844 *
17.0	22203 *	22226 *	22204 *	22226 *	22203 *	22064 *	21792 *	21491 *	21052 *	20205 *
15.0	22802 *	22839 *	22808 *	22839 *	22802 *	22684 *	22472 *	22269 *	21791 *	21045 *
13.0	23340 *	23373 *	23387 *	23373 *	23340 *	23230 *	23080 *	22857 *	22421 *	21691 *
11.0	23799 *	23830 *	23857 *	23830 *	23799 *	23710 *	23574 *	23369 *	23005 *	22220 *
9.0	24186 *	24223 *	24246 *	24223 *	24186 *	24103 *	23973 *	23812 *	23406 *	22708 *
7.0	24492 *	24539 *	24559 *	24539 *	24492 *	24405 *	24299 *	24070 *	23759 *	23084 *
5.0	24662 *	24749 *	24771 *	24749 *	24662 *	24626 *	24445 *	24299 *	24071 *	23334 *
3.0	24769 *	24822 *	24869 *	24822 *	24769 *	24663 *	24620 *	24424 *	24136 *	23529 *
1.0	24706 *	24773 *	24796 *	24773 *	24706 *	24683 *	24628 *	24485 *	24193 *	23644 *
0.0	24682 *	24711 *	24730 *	24711 *	24682 *	24679 *	24645 *	24523 *	24245 *	23696 *
-1.0	24706 *	24773 *	24796 *	24773 *	24706 *	24683 *	24628 *	24485 *	24193 *	23644 *
-3.0	24769 *	24822 *	24869 *	24822 *	24769 *	24663 *	24620 *	24424 *	24136 *	23529 *
-5.0	24662 *	24749 *	24771 *	24749 *	24662 *	24626 *	24445 *	24299 *	24071 *	23334 *
-7.0	24492 *	24539 *	24559 *	24539 *	24492 *	24405 *	24299 *	24070 *	23759 *	23084 *
-9.0	24186 *	24223 *	24246 *	24223 *	24186 *	24103 *	23973 *	23812 *	23406 *	22708 *
-11.0	23799 *	23830 *	23857 *	23830 *	23799 *	23710 *	23574 *	23369 *	23005 *	22220 *
-13.0	23340 *	23373 *	23387 *	23373 *	23340 *	23230 *	23080 *	22857 *	22421 *	21691 *
-15.0	22802 *	22839 *	22808 *	22839 *	22802 *	22684 *	22472 *	22269 *	21791 *	21045 *
-17.0	22203 *	22226 *	22204 *	22226 *	22203 *	22064 *	21792 *	21491 *	21052 *	20205 *
-19.5	20984 *	20980 *	20941 *	20980 *	20984 *	20893 *	20613 *	20180 *	19611 *	18844 *
-22.5	19203 *	19273 *	19229 *	19273 *	19203 *	19008 *	18666 *	18197 *	17604 *	16735 *
-25.5	16962 *	17033 *	17021 *	17033 *	16962 *	16772 *	16460 *	15944 *	15266 *	14372 *
-29.0	14023 *	14090 *	14076 *	14090 *	14023 *	13814 *	13484 *	12925 *	12223 *	11434 *
-33.0	9981 *	10054 *	10050 *	10054 *	9981 *	9776 *	9468 *	9045 *	8490 *	7885 *
-37.5	6231 *	6287 *	6289 *	6287 *	6231 *	6170 *	6051 *	5868 *	5562 *	5210 *
-42.5	4112 *	4133 *	4143 *	4133 *	4112 *	4018 *	3927 *	3811 *	3652 *	3437 *
-47.5	2630 *	2625 *	2622 *	2625 *	2630 *	2577 *	2518 *	2442	2349	2209
-55.0	969	959	954	959	969	959	944	924	898	861
-65.0	255	256	257	256	255	250	247	242	236	229
-75.0	35	35	35	35	35	35	35	34	34	34
-85.0	16	16	16	16	16	16	16	16	15	15
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	15	15	14	14	14	13	12	11	10	9
75.0	33	33	32	31	29	27	25	24	22	20
65.0	218	204	187	165	145	123	97	67	44	35
55.0	809	751	672	593	522	430	345	254	163	90
47.5	2060	1905	1710	1471	1246	1013	770	571	375	224
42.5	3202 *	2956 *	2661 *	2302	1958	1558	1177	839	570	345
37.5	4826 *	4485 *	4010 *	3410 *	2872 *	2323	1768	1214	787	512
33.0	7313 *	6667 *	5819 *	4972 *	4142 *	3273 *	2444	1713	1075	682
29.0	10491 *	9521 *	8286 *	6915 *	5645 *	4405 *	3267 *	2246	1380	864
25.5	13341 *	12207 *	10761 *	8958 *	7283 *	5597 *	4072 *	2782 *	1700	1036

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**CANDELA TABULATION - (Cont.)**

22.5	15681 *	14534 *	12955 *	10897 *	8910 *	6747 *	4837 *	3265 *	1986	1198
19.5	17843 *	16670 *	15008 *	12765 *	10557 *	7953 *	5615 *	3745 *	2282	1342
17.0	19311 *	18076 *	16359 *	14204 *	11714 *	8971 *	6291 *	4103 *	2488 *	1464
15.0	20076 *	18950 *	17188 *	15065 *	12582 *	9660 *	6777 *	4358 *	2647 *	1561
13.0	20756 *	19572 *	17916 *	15819 *	13315 *	10335 *	7214 *	4628 *	2785 *	1642
11.0	21259 *	20231 *	18528 *	16528 *	13954 *	10934 *	7630 *	4851 *	2901 *	1710
9.0	21810 *	20717 *	19064 *	17052 *	14516 *	11449 *	7979 *	5029 *	2998 *	1763
7.0	22208 *	21185 *	19568 *	17496 *	14994 *	11848 *	8252 *	5161 *	3074 *	1802
5.0	22447 *	21583 *	19916 *	17840 *	15356 *	12127 *	8446 *	5247 *	3130 *	1828
3.0	22596 *	21769 *	20116 *	18086 *	15568 *	12302 *	8559 *	5304 *	3209 *	1851
1.0	22709 *	21802 *	20158 *	18215 *	15637 *	12390 *	8593 *	5345 *	3220 *	1840
0.0	22710 *	21768 *	20106 *	18194 *	15620 *	12392 *	8578 *	5341 *	3225 *	1835
-1.0	22709 *	21802 *	20158 *	18215 *	15637 *	12390 *	8593 *	5345 *	3220 *	1840
-3.0	22596 *	21769 *	20116 *	18086 *	15568 *	12302 *	8559 *	5304 *	3209 *	1851
-5.0	22447 *	21583 *	19916 *	17840 *	15356 *	12127 *	8446 *	5247 *	3130 *	1828
-7.0	22208 *	21185 *	19568 *	17496 *	14994 *	11848 *	8252 *	5161 *	3074 *	1802
-9.0	21810 *	20717 *	19064 *	17052 *	14516 *	11449 *	7979 *	5029 *	2998 *	1763
-11.0	21259 *	20231 *	18528 *	16528 *	13954 *	10934 *	7630 *	4851 *	2901 *	1710
-13.0	20756 *	19572 *	17916 *	15819 *	13315 *	10335 *	7214 *	4628 *	2785 *	1642
-15.0	20076 *	18950 *	17188 *	15065 *	12582 *	9660 *	6777 *	4358 *	2647 *	1561
-17.0	19311 *	18076 *	16359 *	14204 *	11714 *	8971 *	6291 *	4103 *	2488 *	1464
-19.5	17843 *	16670 *	15008 *	12765 *	10557 *	7953 *	5615 *	3745 *	2282	1342
-22.5	15681 *	14534 *	12955 *	10897 *	8910 *	6747 *	4837 *	3265 *	1986	1198
-25.5	13341 *	12207 *	10761 *	8958 *	7283 *	5597 *	4072 *	2782 *	1700	1036
-29.0	10491 *	9521 *	8286 *	6915 *	5645 *	4405 *	3267 *	2246	1380	864
-33.0	7313 *	6667 *	5819 *	4972 *	4142 *	3273 *	2444	1713	1075	682
-37.5	4826 *	4485 *	4010 *	3410 *	2872 *	2323	1768	1214	787	512
-42.5	3202 *	2956 *	2661 *	2302	1958	1558	1177	839	570	345
-47.5	2060	1905	1710	1471	1246	1013	770	571	375	224
-55.0	809	751	672	593	522	430	345	254	163	90
-65.0	218	204	187	165	145	123	97	67	44	35
-75.0	33	33	32	31	29	27	25	24	22	20
-85.0	15	15	14	14	14	13	12	11	10	9
-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	9	7	4	1	0
75.0	18	14	9	3	0
65.0	29	22	14	5	0
55.0	44	31	18	7	0
47.5	68	40	21	8	0
42.5	106	45	24	8	0
37.5	167	50	26	9	0
33.0	234	53	28	9	0
29.0	294	56	30	10	0
25.5	361	58	32	10	0
22.5	411	62	33	10	0
19.5	458	66	34	10	0
17.0	503	69	35	11	0
15.0	532	70	35	11	0
13.0	557	72	36	11	0
11.0	576	73	36	11	0
9.0	589	74	36	11	0

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	598	75	37	11	0
<b>5.0</b>	606	75	37	11	0
<b>3.0</b>	613	76	37	11	0
<b>1.0</b>	607	76	37	11	0
<b>0.0</b>	603	76	37	11	0
<b>-1.0</b>	607	76	37	11	0
<b>-3.0</b>	613	76	37	11	0
<b>-5.0</b>	606	75	37	11	0
<b>-7.0</b>	598	75	37	11	0
<b>-9.0</b>	589	74	36	11	0
<b>-11.0</b>	576	73	36	11	0
<b>-13.0</b>	557	72	36	11	0
<b>-15.0</b>	532	70	35	11	0
<b>-17.0</b>	503	69	35	11	0
<b>-19.5</b>	458	66	34	10	0
<b>-22.5</b>	411	62	33	10	0
<b>-25.5</b>	361	58	32	10	0
<b>-29.0</b>	294	56	30	10	0
<b>-33.0</b>	234	53	28	9	0
<b>-37.5</b>	167	50	26	9	0
<b>-42.5</b>	106	45	24	8	0
<b>-47.5</b>	68	40	21	8	0
<b>-55.0</b>	44	31	18	7	0
<b>-65.0</b>	29	22	14	5	0
<b>-75.0</b>	18	14	9	3	0
<b>-85.0</b>	9	7	4	1	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-50-80-FGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12316.45

Total Field Lumens (one side of beam only) = 11432.98

\* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
75	0.08	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.17
65	0.44	0.88	0.87	0.86	0.84	0.82	0.79	0.76	0.71	0.82
55	1.85	3.71	3.70	3.64	3.55	3.45	3.31	3.13	2.90	3.28
47.5	4.09	8.20	8.13	7.95	7.72	7.44	7.06	6.58	6.07	6.83
42.5	5.15 *	10.27 *	10.13 *	9.88 *	9.58 *	9.19 *	8.68 *	8.06 *	7.41 *	8.35
37.5	7.94 *	15.80 *	15.60 *	15.27 *	14.82 *	14.17 *	13.30 *	12.32 *	11.32 *	12.76 *
33	11.20 *	22.30 *	21.99 *	21.45 *	20.65 *	19.55 *	18.20 *	16.78 *	15.34 *	17.07 *
29	14.70 *	29.31 *	28.92 *	28.20 *	27.10 *	25.61 *	23.85 *	21.94 *	19.91 *	21.91 *
25.5	16.58 *	33.09 *	32.74 *	32.09 *	31.05 *	29.59 *	27.79 *	25.67 *	23.35 *	25.80 *
22.5	16.58 *	33.09 *	32.79 *	32.22 *	31.34 *	30.15 *	28.59 *	26.66 *	24.49 *	27.37 *
19.5	18.37 *	36.73 *	36.50 *	35.98 *	35.14 *	34.01 *	32.53 *	30.64 *	28.43 *	32.09 *
17	16.44 *	32.87 *	32.72 *	32.32 *	31.70 *	30.87 *	29.69 *	28.15 *	26.32 *	29.88 *
15	13.72 *	27.42 *	27.27 *	26.96 *	26.55 *	25.98 *	25.06 *	23.83 *	22.37 *	25.52 *
13	14.07 *	28.11 *	27.97 *	27.71 *	27.35 *	26.80 *	25.91 *	24.70 *	23.24 *	26.62 *
11	14.38 *	28.72 *	28.59 *	28.35 *	28.02 *	27.49 *	26.62 *	25.40 *	23.96 *	27.57 *
9	14.64 *	29.24 *	29.11 *	28.89 *	28.57 *	28.08 *	27.21 *	26.01 *	24.60 *	28.40 *
7	14.86 *	29.66 *	29.53 *	29.32 *	29.00 *	28.51 *	27.70 *	26.54 *	25.16 *	29.12 *
5	15.02 *	29.97 *	29.83 *	29.62 *	29.29 *	28.86 *	28.08 *	26.92 *	25.60 *	29.74 *
3	15.11 *	30.14 *	30.00 *	29.79 *	29.50 *	29.08 *	28.33 *	27.16 *	25.88 *	30.15 *
1	15.12 *	30.16 *	30.03 *	29.87 *	29.61 *	29.17 *	28.45 *	27.33 *	26.02 *	30.32 *
0	7.54 *	15.05 *	15.00 *	14.94 *	14.82 *	14.62 *	14.27 *	13.71 *	13.03 *	15.16 *
-1	7.54 *	15.05 *	15.00 *	14.94 *	14.82 *	14.62 *	14.27 *	13.71 *	13.03 *	15.16 *
	15.12 *	30.16 *	30.03 *	29.87 *	29.61 *	29.17 *	28.45 *	27.33 *	26.02 *	30.32 *



**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-3</b>	15.11 *	30.14 *	30.00 *	29.79 *	29.50 *	29.08 *	28.33 *	27.16 *	25.88 *	30.15 *
<b>-5</b>	15.02 *	29.97 *	29.83 *	29.62 *	29.29 *	28.86 *	28.08 *	26.92 *	25.60 *	29.74 *
<b>-7</b>	14.86 *	29.66 *	29.53 *	29.32 *	29.00 *	28.51 *	27.70 *	26.54 *	25.16 *	29.12 *
<b>-9</b>	14.64 *	29.24 *	29.11 *	28.89 *	28.57 *	28.08 *	27.21 *	26.01 *	24.60 *	28.40 *
<b>-11</b>	14.38 *	28.72 *	28.59 *	28.35 *	28.02 *	27.49 *	26.62 *	25.40 *	23.96 *	27.57 *
<b>-13</b>	14.07 *	28.11 *	27.97 *	27.71 *	27.35 *	26.80 *	25.91 *	24.70 *	23.24 *	26.62 *
<b>-15</b>	13.72 *	27.42 *	27.27 *	26.96 *	26.55 *	25.98 *	25.06 *	23.83 *	22.37 *	25.52 *
<b>-17</b>	16.44 *	32.87 *	32.72 *	32.32 *	31.70 *	30.87 *	29.69 *	28.15 *	26.32 *	29.88 *
<b>-19.5</b>	18.37 *	36.73 *	36.50 *	35.98 *	35.14 *	34.01 *	32.53 *	30.64 *	28.43 *	32.09 *
<b>-22.5</b>	16.58 *	33.09 *	32.79 *	32.22 *	31.34 *	30.15 *	28.59 *	26.66 *	24.49 *	27.37 *
<b>-25.5</b>	16.58 *	33.09 *	32.74 *	32.09 *	31.05 *	29.59 *	27.79 *	25.67 *	23.35 *	25.80 *
<b>-29</b>	14.70 *	29.31 *	28.92 *	28.20 *	27.10 *	25.61 *	23.85 *	21.94 *	19.91 *	21.91 *
<b>-33</b>	11.20 *	22.30 *	21.99 *	21.45 *	20.65 *	19.55 *	18.20 *	16.78 *	15.34 *	17.07 *
<b>-37.5</b>	7.94 *	15.80 *	15.60 *	15.27 *	14.82 *	14.17 *	13.30 *	12.32 *	11.32 *	12.76 *
<b>-42.5</b>	5.15 *	10.27 *	10.13 *	9.88 *	9.58 *	9.19 *	8.68 *	8.06 *	7.41 *	8.35
<b>-47.5</b>	4.09	8.20	8.13	7.95	7.72	7.44	7.06	6.58	6.07	6.83
<b>-55</b>	1.85	3.71	3.70	3.64	3.55	3.45	3.31	3.13	2.90	3.28
<b>-65</b>	0.44	0.88	0.87	0.86	0.84	0.82	0.79	0.76	0.71	0.82
<b>-75</b>	0.08	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.17
<b>-85</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
<b>-90</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
<b>Total</b>	475.80	949.82	943.21	930.96	912.78	887.19	851.17	804.92	752.53	857.90

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
<b>85</b>	0.19	0.18	0.20	0.20	0.20	0.20	0.16	0.20	0.18	0.09
<b>75</b>	0.89	0.77	0.77	0.71	0.60	0.46	0.33	0.36	0.32	0.15
<b>65</b>	3.45	2.97	2.89	2.60	2.13	1.54	0.89	0.71	0.48	0.22
<b>55</b>	7.11	6.00	5.71	5.01	4.07	2.98	1.72	1.14	0.52	0.21

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>47.5</b>	8.68	7.28	6.84	5.90	4.70	3.43	2.04	1.33	0.49	0.17
<b>42.5</b>	13.20 *	11.00 *	10.32	8.91	6.99	4.97	2.98	2.02	0.70	0.19
<b>37.5</b>	17.48 *	14.46 *	13.44 *	11.52	8.99	6.28	3.70	2.56	0.86	0.18
<b>33</b>	22.17 *	18.09 *	16.55 *	13.98 *	10.82	7.48	4.31	2.96	0.97	0.17
<b>29</b>	26.07 *	21.04 *	19.01 *	15.84 *	12.11 *	8.27	4.69	3.19	1.02	0.16
<b>25.5</b>	27.88 *	22.57 *	20.28 *	16.64 *	12.55 *	8.51	4.78	3.22	1.02	0.14
<b>22.5</b>	33.03 *	27.00 *	24.28 *	19.70 *	14.66 *	9.87 *	5.50	3.65	1.14	0.15
<b>19.5</b>	31.10 *	25.69 *	23.22 *	18.82 *	13.82 *	9.20 *	5.10	3.36	1.04	0.13
<b>17</b>	26.79 *	22.36 *	20.34 *	16.55 *	12.05 *	7.93 *	4.39	2.90	0.89	0.11
<b>15</b>	28.15 *	23.70 *	21.75 *	17.74 *	12.86 *	8.41 *	4.65	3.07	0.94	0.11
<b>13</b>	29.34 *	24.88 *	23.00 *	18.85 *	13.61 *	8.84 *	4.87	3.20	0.97	0.11
<b>11</b>	30.36 *	25.90 *	24.10 *	19.84 *	14.26 *	9.20 *	5.05	3.31	1.00	0.11
<b>9</b>	31.21 *	26.74 *	25.02 *	20.64 *	14.78 *	9.48 *	5.19	3.40	1.02	0.12
<b>7</b>	31.91 *	27.42 *	25.74 *	21.24 *	15.17 *	9.69 *	5.29	3.45	1.03	0.12
<b>5</b>	32.40 *	27.90 *	26.23 *	21.63 *	15.42 *	9.85 *	5.39 *	3.50	1.04	0.12
<b>3</b>	32.66 *	28.18 *	26.49 *	21.85 *	15.56 *	9.96 *	5.45 *	3.51	1.04	0.12
<b>1</b>	16.35 *	14.12 *	13.28 *	10.95 *	7.79 *	5.00 *	2.72 *	1.75	0.52	0.06
<b>0</b>	16.35 *	14.12 *	13.28 *	10.95 *	7.79 *	5.00 *	2.72 *	1.75	0.52	0.06
<b>-1</b>	32.66 *	28.18 *	26.49 *	21.85 *	15.56 *	9.96 *	5.45 *	3.51	1.04	0.12
<b>-3</b>	32.40 *	27.90 *	26.23 *	21.63 *	15.42 *	9.85 *	5.39 *	3.50	1.04	0.12
<b>-5</b>	31.91 *	27.42 *	25.74 *	21.24 *	15.17 *	9.69 *	5.29	3.45	1.03	0.12
<b>-7</b>	31.21 *	26.74 *	25.02 *	20.64 *	14.78 *	9.48 *	5.19	3.40	1.02	0.12
<b>-9</b>	30.36 *	25.90 *	24.10 *	19.84 *	14.26 *	9.20 *	5.05	3.31	1.00	0.11
<b>-11</b>	29.34 *	24.88 *	23.00 *	18.85 *	13.61 *	8.84 *	4.87	3.20	0.97	0.11
<b>-13</b>	28.15 *	23.70 *	21.75 *	17.74 *	12.86 *	8.41 *	4.65	3.07	0.94	0.11
<b>-15</b>	26.79 *	22.36 *	20.34 *	16.55 *	12.05 *	7.93 *	4.39	2.90	0.89	0.11
<b>-17</b>	31.10 *	25.69 *	23.22 *	18.82 *	13.82 *	9.20 *	5.10	3.36	1.04	0.13
<b>-19.5</b>	33.03 *	27.00 *	24.28 *	19.70 *	14.66 *	9.87 *	5.50	3.65	1.14	0.15

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	27.88 *	22.57 *	20.28 *	16.64 *	12.55 *	8.51	4.78	3.22	1.02	0.14
<b>-25.5</b>	26.07 *	21.04 *	19.01 *	15.84 *	12.11 *	8.27	4.69	3.19	1.02	0.16
<b>-29</b>	22.17 *	18.09 *	16.55 *	13.98 *	10.82	7.48	4.31	2.96	0.97	0.17
<b>-33</b>	17.48 *	14.46 *	13.44 *	11.52	8.99	6.28	3.70	2.56	0.86	0.18
<b>-37.5</b>	13.20 *	11.00 *	10.32	8.91	6.99	4.97	2.98	2.02	0.70	0.19
<b>-42.5</b>	8.68	7.28	6.84	5.90	4.70	3.43	2.04	1.33	0.49	0.17
<b>-47.5</b>	7.11	6.00	5.71	5.01	4.07	2.98	1.72	1.14	0.52	0.21
<b>-55</b>	3.45	2.97	2.89	2.60	2.13	1.54	0.89	0.71	0.48	0.22
<b>-65</b>	0.89	0.77	0.77	0.71	0.60	0.46	0.33	0.36	0.32	0.15
<b>-75</b>	0.19	0.18	0.20	0.20	0.20	0.20	0.16	0.20	0.18	0.09
<b>-85</b>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
<b>-90</b>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01
<b>Total</b>	900.91	756.54	698.97	578.31	426.34	283.18	158.44	105.68	34.45	5.94

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	0.00	0.00	0.52	
<b>85</b>				
	0.02	0.00	3.27	
<b>75</b>				
	0.04	0.00	13.20	
<b>65</b>				
	0.06	0.00	50.46	
<b>55</b>				
	0.05	0.00	104.60	
<b>47.5</b>				
	0.04	0.00	127.59	
<b>42.5</b>				
	0.04	0.00	194.64	
<b>37.5</b>				
	0.04	0.00	264.05	
<b>33</b>				
	0.04	0.00	339.02	
<b>29</b>				
	0.04	0.00	389.19	
<b>25.5</b>				
	0.03	0.00	400.92	
<b>22.5</b>				
	0.03	0.00	459.44	
<b>19.5</b>				
	0.03	0.00	422.47	
<b>17</b>				
	0.02	0.00	359.02	

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

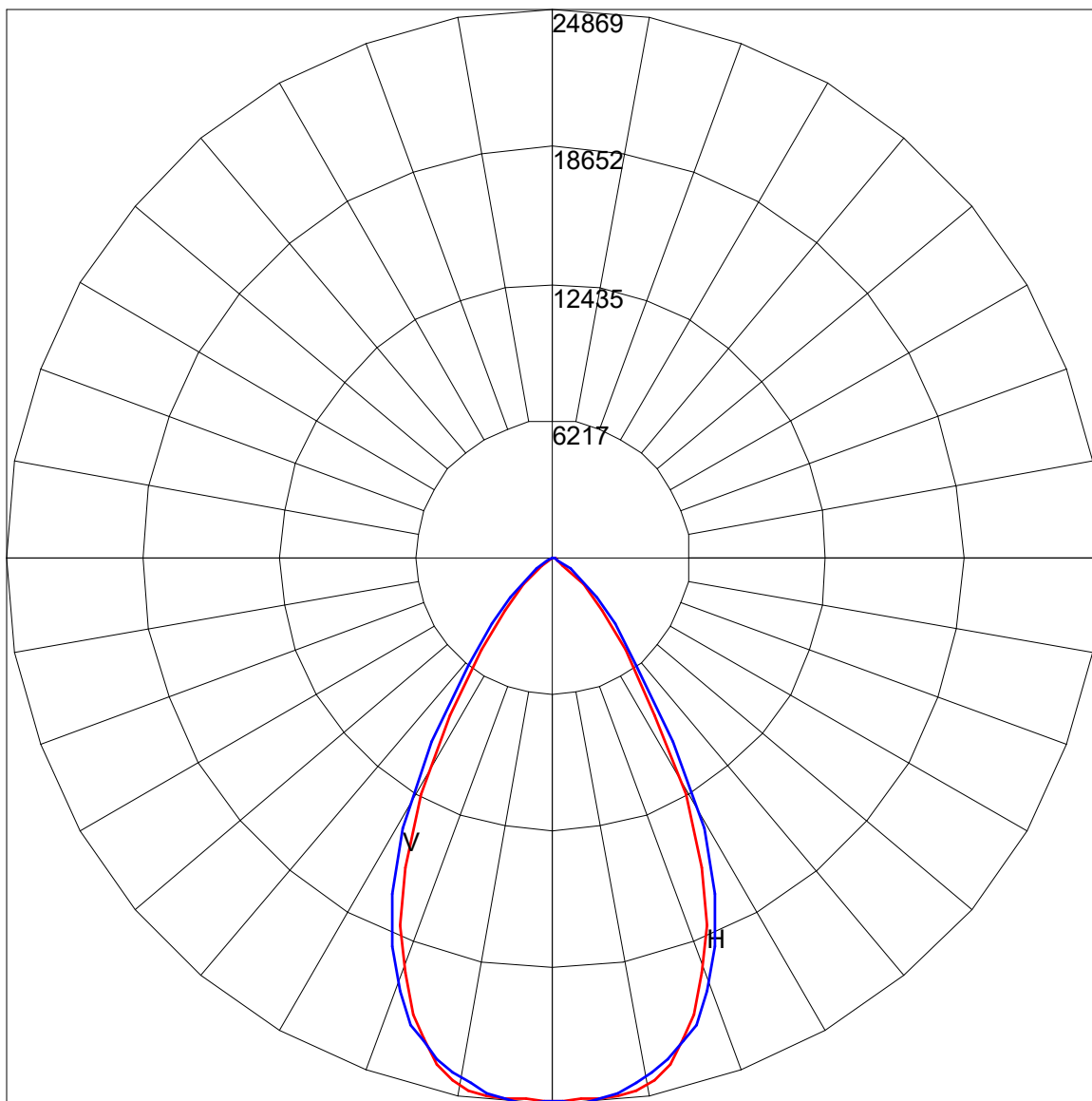
<b>15</b>	0.02	0.00	373.87
<b>13</b>	0.02	0.00	386.81
<b>11</b>	0.02	0.00	397.90
<b>9</b>	0.03	0.00	407.02
<b>7</b>	0.03	0.00	414.01
<b>5</b>	0.03	0.00	418.64
<b>3</b>	0.03	0.00	420.91
<b>1</b>	0.01	0.00	210.68
<b>0</b>	0.01	0.00	210.68
<b>-1</b>	0.03	0.00	420.91
<b>-3</b>	0.03	0.00	418.64
<b>-5</b>	0.03	0.00	414.01
<b>-7</b>	0.03	0.00	407.02
<b>-9</b>	0.02	0.00	397.90
<b>-11</b>	0.02	0.00	386.81
<b>-13</b>	0.02	0.00	373.87
<b>-15</b>	0.02	0.00	359.02
<b>-17</b>	0.03	0.00	422.47
<b>-19.5</b>	0.03	0.00	459.44
<b>-22.5</b>	0.03	0.00	400.92
<b>-25.5</b>	0.04	0.00	389.19
<b>-29</b>	0.04	0.00	339.02
<b>-33</b>	0.04	0.00	264.05
<b>-37.5</b>	0.04	0.00	194.64
<b>-42.5</b>	0.04	0.00	127.59
<b>-47.5</b>	0.05	0.00	104.60
<b>-55</b>	0.06	0.00	50.46
<b>-65</b>	0.04	0.00	13.20

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-50-80-FGS.IES**

**LUMENS TABULATION - (Cont.)**

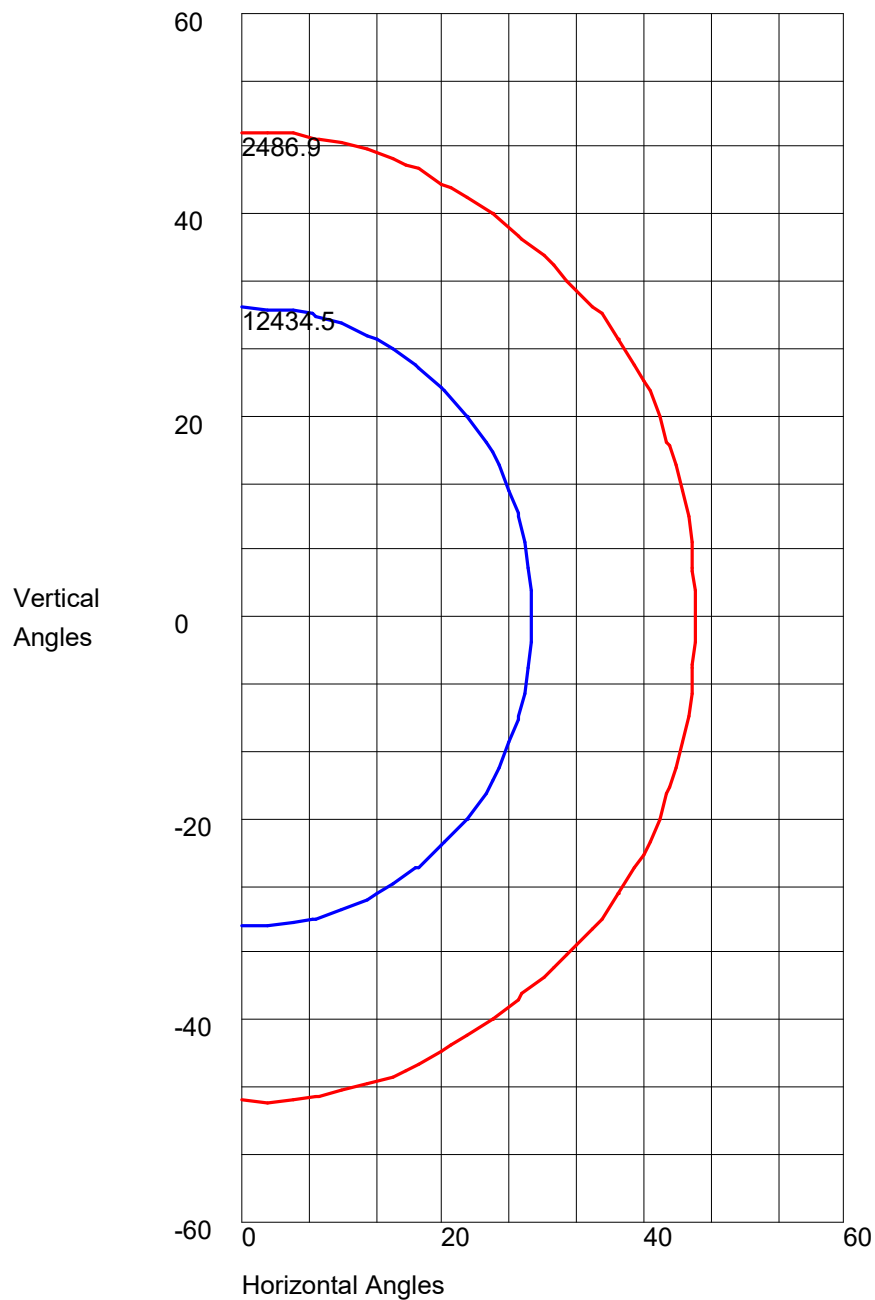
<b>-75</b>	0.02	0.00	3.27
<b>-85</b>	0.00	0.00	0.52
<b>-90</b>			
<b>Total</b>	1.39	0.04	12316.45

AXIAL CANDELA DISPLAY



Maximum Candela = 24869 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 24869 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 12434.5  
10% Maximum Candela = 2486.9