



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12461  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 03/05/21  
[TESTDATE] 01/25/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-24L-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	20552
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	15955
Beam Efficiency	N.A.
Field Lumens	22691
Field Efficiency	N.A.
Spill Lumens	1937
Luminaire Lumens	24629
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	71	85	73
75	159	75	186
65	378	65	500
55	1250	55	1373
47.5	2936	47.5	3004
42.5	4410	42.5	4518
37.5	6559	37.5	6821
33	9640	33	10150
29	12859	29	13394
25.5	15299	25.5	15497
22.5	16977	22.5	16728
19.5	18172	19.5	17662
17	18912	17	18337
15	19390	15	18849
13	19710	13	19306
11	19960	11	19689
9	20138	9	20009
7	20251	7	20266
5	20316	5	20454
3	20353	3	20552
1	20420	1	20506
0	20459	0	20459
-1	20420	-1	20506
-3	20353	-3	20552
-5	20316	-5	20454
-7	20251	-7	20266
-9	20138	-9	20009
-11	19960	-11	19689
-13	19710	-13	19306
-15	19390	-15	18849
-17	18912	-17	18337
-19.5	18172	-19.5	17662
-22.5	16977	-22.5	16728
-25.5	15299	-25.5	15497
-29	12859	-29	13394
-33	9640	-33	10150
-37.5	6559	-37.5	6821
-42.5	4410	-42.5	4518
-47.5	2936	-47.5	3004
-55	1250	-55	1373
-65	378	-65	500
-75	159	-75	186
-85	71	-85	73
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 20552

Beam Edge = 10276 Cd (50% of Max.)

Field Edge = 2055.2 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	6	20	33	43	46	49	53	56	59
<b>75.0</b>	0	17	49	72	101	118	127	139	151	174
<b>65.0</b>	0	28	72	128	206	266	310	351	387	416
<b>55.0</b>	0	38	94	187	335	476	575	689	801	899
<b>47.5</b>	0	45	109	229	450	697	892	1133	1383	1634
<b>42.5</b>	0	49	119	256	542	880	1178	1560	1967	2365 *
<b>37.5</b>	0	53	128	281	639	1114	1549	2121 *	2727 *	3319 *
<b>33.0</b>	0	57	134	303	734	1362	1952	2730 *	3519 *	4299 *
<b>29.0</b>	0	60	141	322	815	1611	2354 *	3309 *	4297 *	5387 *
<b>25.5</b>	0	62	145	338	904	1833	2719 *	3831 *	5065 *	6425 *
<b>22.5</b>	0	63	148	348	972	2047	3026 *	4272 *	5760 *	7423 *
<b>19.5</b>	0	65	151	359	1036	2239 *	3327 *	4738 *	6457 *	8513 *
<b>17.0</b>	0	66	153	365	1096	2390 *	3546 *	5101 *	7084 *	9509 *
<b>15.0</b>	0	67	155	368	1138	2507 *	3718 *	5362 *	7562 *	10217 *
<b>13.0</b>	0	68	156	370	1173	2611 *	3879 *	5651 *	7990 *	10858 *
<b>11.0</b>	0	70	157	371	1202	2701 *	4022 *	5904 *	8435 *	11434 *
<b>9.0</b>	0	70	158	374	1225	2777 *	4143 *	6119 *	8831 *	11936 *
<b>7.0</b>	0	70	159	377	1241	2838 *	4242 *	6291 *	9145 *	12321 *
<b>5.0</b>	0	71	160	378	1253	2885 *	4317 *	6420 *	9380 *	12597 *
<b>3.0</b>	0	71	159	380	1266	2933 *	4398 *	6508 *	9537 *	12786 *
<b>1.0</b>	0	71	159	379	1255	2935 *	4406 *	6558 *	9627 *	12859 *
<b>0.0</b>	0	71	159	378	1250	2936 *	4410 *	6559 *	9640 *	12859 *
<b>-1.0</b>	0	71	159	379	1255	2935 *	4406 *	6558 *	9627 *	12859 *
<b>-3.0</b>	0	71	159	380	1266	2933 *	4398 *	6508 *	9537 *	12786 *
<b>-5.0</b>	0	71	160	378	1253	2885 *	4317 *	6420 *	9380 *	12597 *
<b>-7.0</b>	0	70	159	377	1241	2838 *	4242 *	6291 *	9145 *	12321 *
<b>-9.0</b>	0	70	158	374	1225	2777 *	4143 *	6119 *	8831 *	11936 *
<b>-11.0</b>	0	70	157	371	1202	2701 *	4022 *	5904 *	8435 *	11434 *
<b>-13.0</b>	0	68	156	370	1173	2611 *	3879 *	5651 *	7990 *	10858 *
<b>-15.0</b>	0	67	155	368	1138	2507 *	3718 *	5362 *	7562 *	10217 *
<b>-17.0</b>	0	66	153	365	1096	2390 *	3546 *	5101 *	7084 *	9509 *
<b>-19.5</b>	0	65	151	359	1036	2239 *	3327 *	4738 *	6457 *	8513 *
<b>-22.5</b>	0	63	148	348	972	2047	3026 *	4272 *	5760 *	7423 *
<b>-25.5</b>	0	62	145	338	904	1833	2719 *	3831 *	5065 *	6425 *
<b>-29.0</b>	0	60	141	322	815	1611	2354 *	3309 *	4297 *	5387 *
<b>-33.0</b>	0	57	134	303	734	1362	1952	2730 *	3519 *	4299 *
<b>-37.5</b>	0	53	128	281	639	1114	1549	2121 *	2727 *	3319 *
<b>-42.5</b>	0	49	119	256	542	880	1178	1560	1967	2365 *
<b>-47.5</b>	0	45	109	229	450	697	892	1133	1383	1634
<b>-55.0</b>	0	38	94	187	335	476	575	689	801	899
<b>-65.0</b>	0	28	72	128	206	266	310	351	387	416
<b>-75.0</b>	0	17	49	72	101	118	127	139	151	174
<b>-85.0</b>	0	6	20	33	43	46	49	53	56	59
<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	62	64	65	66	67	68	70	70	71	71
75.0	192	200	203	204	205	203	200	197	193	189
65.0	440	457	472	482	490	495	498	499	499	497
55.0	991	1058	1125	1189	1233	1271	1305	1333	1354	1368
47.5	1852	2064 *	2260 *	2416 *	2540 *	2650 *	2746 *	2826 *	2891 *	2941 *
42.5	2745 *	3068 *	3398 *	3646 *	3826 *	3992 *	4137 *	4261 *	4358 *	4430 *
37.5	3868 *	4341 *	4839 *	5235 *	5518 *	5821 *	6090 *	6322 *	6518 *	6672 *
33.0	5091 *	5822 *	6578 *	7243 *	7736 *	8176 *	8664 *	9127 *	9504 *	9788 *
29.0	6436 *	7542 *	8707 *	9727 *	10483 *	11164 *	11780 *	12322 *	12745 *	13040 *
25.5	7878 *	9396 *	10880 *	12022 *	12793 *	13458 *	14049 *	14509 *	14888 *	15167 *
22.5	9326 *	11026 *	12555 *	13658 *	14401 *	15003 *	15524 *	15908 *	16241 *	16486 *
19.5	10741 *	12488 *	13957 *	14989 *	15679 *	16224 *	16672 *	16994 *	17289 *	17508 *
17.0	11824 *	13515 *	14973 *	15925 *	16589 *	17084 *	17518 *	17797 *	18017 *	18206 *
15.0	12566 *	14263 *	15680 *	16626 *	17184 *	17698 *	18071 *	18364 *	18540 *	18715 *
13.0	13225 *	14925 *	16292 *	17171 *	17760 *	18192 *	18565 *	18853 *	19041 *	19167 *
11.0	13831 *	15513 *	16855 *	17704 *	18211 *	18649 *	18980 *	19247 *	19447 *	19554 *
9.0	14317 *	15987 *	17295 *	18115 *	18638 *	19035 *	19341 *	19559 *	19752 *	19883 *
7.0	14717 *	16392 *	17677 *	18459 *	18955 *	19359 *	19630 *	19833 *	19975 *	20126 *
5.0	15012 *	16689 *	17983 *	18737 *	19201 *	19560 *	19835 *	20039 *	20177 *	20248 *
3.0	15221 *	16885 *	18139 *	18890 *	19358 *	19693 *	19952 *	20147 *	20293 *	20376 *
1.0	15302 *	16985 *	18193 *	18941 *	19424 *	19746 *	19992 *	20169 *	20296 *	20375 *
0.0	15299 *	16977 *	18172 *	18912 *	19390 *	19710 *	19960 *	20138 *	20251 *	20316 *
-1.0	15302 *	16985 *	18193 *	18941 *	19424 *	19746 *	19992 *	20169 *	20296 *	20375 *
-3.0	15221 *	16885 *	18139 *	18890 *	19358 *	19693 *	19952 *	20147 *	20293 *	20376 *
-5.0	15012 *	16689 *	17983 *	18737 *	19201 *	19560 *	19835 *	20039 *	20177 *	20248 *
-7.0	14717 *	16392 *	17677 *	18459 *	18955 *	19359 *	19630 *	19833 *	19975 *	20126 *
-9.0	14317 *	15987 *	17295 *	18115 *	18638 *	19035 *	19341 *	19559 *	19752 *	19883 *
-11.0	13831 *	15513 *	16855 *	17704 *	18211 *	18649 *	18980 *	19247 *	19447 *	19554 *
-13.0	13225 *	14925 *	16292 *	17171 *	17760 *	18192 *	18565 *	18853 *	19041 *	19167 *
-15.0	12566 *	14263 *	15680 *	16626 *	17184 *	17698 *	18071 *	18364 *	18540 *	18715 *
-17.0	11824 *	13515 *	14973 *	15925 *	16589 *	17084 *	17518 *	17797 *	18017 *	18206 *
-19.5	10741 *	12488 *	13957 *	14989 *	15679 *	16224 *	16672 *	16994 *	17289 *	17508 *
-22.5	9326 *	11026 *	12555 *	13658 *	14401 *	15003 *	15524 *	15908 *	16241 *	16486 *
-25.5	7878 *	9396 *	10880 *	12022 *	12793 *	13458 *	14049 *	14509 *	14888 *	15167 *
-29.0	6436 *	7542 *	8707 *	9727 *	10483 *	11164 *	11780 *	12322 *	12745 *	13040 *
-33.0	5091 *	5822 *	6578 *	7243 *	7736 *	8176 *	8664 *	9127 *	9504 *	9788 *
-37.5	3868 *	4341 *	4839 *	5235 *	5518 *	5821 *	6090 *	6322 *	6518 *	6672 *
-42.5	2745 *	3068 *	3398 *	3646 *	3826 *	3992 *	4137 *	4261 *	4358 *	4430 *
-47.5	1852	2064 *	2260 *	2416 *	2540 *	2650 *	2746 *	2826 *	2891 *	2941 *
-55.0	991	1058	1125	1189	1233	1271	1305	1333	1354	1368
-65.0	440	457	472	482	490	495	498	499	499	497
-75.0	192	200	203	204	205	203	200	197	193	189
-85.0	62	64	65	66	67	68	70	70	71	71
-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	72	73	73	73	72	71	71	70	70	68
75.0	188	187	186	187	188	189	193	197	200	203
65.0	501	500	500	500	501	497	499	499	498	495

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**CANDELA TABULATION - (Cont.)**

55.0	1382	1376	1373	1376	1382	1368	1354	1333	1305	1271
47.5	2994 *	3001 *	3004 *	3001 *	2994 *	2941 *	2891 *	2826 *	2746 *	2650 *
42.5	4506 *	4514 *	4518 *	4514 *	4506 *	4430 *	4358 *	4261 *	4137 *	3992 *
37.5	6782 *	6826 *	6821 *	6826 *	6782 *	6672 *	6518 *	6322 *	6090 *	5821 *
33.0	9982 *	10115 *	10150 *	10115 *	9982 *	9788 *	9504 *	9127 *	8664 *	8176 *
29.0	13253 *	13370 *	13394 *	13370 *	13253 *	13040 *	12745 *	12322 *	11780 *	11164 *
25.5	15357 *	15469 *	15497 *	15469 *	15357 *	15167 *	14888 *	14509 *	14049 *	13458 *
22.5	16642 *	16729 *	16728 *	16729 *	16642 *	16486 *	16241 *	15908 *	15524 *	15003 *
19.5	17612 *	17656 *	17662 *	17656 *	17612 *	17508 *	17289 *	16994 *	16672 *	16224 *
17.0	18295 *	18322 *	18337 *	18322 *	18295 *	18206 *	18017 *	17797 *	17518 *	17084 *
15.0	18810 *	18838 *	18849 *	18838 *	18810 *	18715 *	18540 *	18364 *	18071 *	17698 *
13.0	19261 *	19266 *	19306 *	19266 *	19261 *	19167 *	19041 *	18853 *	18565 *	18192 *
11.0	19653 *	19640 *	19689 *	19640 *	19653 *	19554 *	19447 *	19247 *	18980 *	18649 *
9.0	19967 *	19968 *	20009 *	19968 *	19967 *	19883 *	19752 *	19559 *	19341 *	19035 *
7.0	20204 *	20236 *	20266 *	20236 *	20204 *	20126 *	19975 *	19833 *	19630 *	19359 *
5.0	20370 *	20439 *	20454 *	20439 *	20370 *	20248 *	20177 *	20039 *	19835 *	19560 *
3.0	20423 *	20526 *	20552 *	20526 *	20423 *	20376 *	20293 *	20147 *	19952 *	19693 *
1.0	20440 *	20475 *	20506 *	20475 *	20440 *	20375 *	20296 *	20169 *	19992 *	19746 *
0.0	20353 *	20420 *	20459 *	20420 *	20353 *	20316 *	20251 *	20138 *	19960 *	19710 *
-1.0	20440 *	20475 *	20506 *	20475 *	20440 *	20375 *	20296 *	20169 *	19992 *	19746 *
-3.0	20423 *	20526 *	20552 *	20526 *	20423 *	20376 *	20293 *	20147 *	19952 *	19693 *
-5.0	20370 *	20439 *	20454 *	20439 *	20370 *	20248 *	20177 *	20039 *	19835 *	19560 *
-7.0	20204 *	20236 *	20266 *	20236 *	20204 *	20126 *	19975 *	19833 *	19630 *	19359 *
-9.0	19967 *	19968 *	20009 *	19968 *	19967 *	19883 *	19752 *	19559 *	19341 *	19035 *
-11.0	19653 *	19640 *	19689 *	19640 *	19653 *	19554 *	19447 *	19247 *	18980 *	18649 *
-13.0	19261 *	19266 *	19306 *	19266 *	19261 *	19167 *	19041 *	18853 *	18565 *	18192 *
-15.0	18810 *	18838 *	18849 *	18838 *	18810 *	18715 *	18540 *	18364 *	18071 *	17698 *
-17.0	18295 *	18322 *	18337 *	18322 *	18295 *	18206 *	18017 *	17797 *	17518 *	17084 *
-19.5	17612 *	17656 *	17662 *	17656 *	17612 *	17508 *	17289 *	16994 *	16672 *	16224 *
-22.5	16642 *	16729 *	16728 *	16729 *	16642 *	16486 *	16241 *	15908 *	15524 *	15003 *
-25.5	15357 *	15469 *	15497 *	15469 *	15357 *	15167 *	14888 *	14509 *	14049 *	13458 *
-29.0	13253 *	13370 *	13394 *	13370 *	13253 *	13040 *	12745 *	12322 *	11780 *	11164 *
-33.0	9982 *	10115 *	10150 *	10115 *	9982 *	9788 *	9504 *	9127 *	8664 *	8176 *
-37.5	6782 *	6826 *	6821 *	6826 *	6782 *	6672 *	6518 *	6322 *	6090 *	5821 *
-42.5	4506 *	4514 *	4518 *	4514 *	4506 *	4430 *	4358 *	4261 *	4137 *	3992 *
-47.5	2994 *	3001 *	3004 *	3001 *	2994 *	2941 *	2891 *	2826 *	2746 *	2650 *
-55.0	1382	1376	1373	1376	1382	1368	1354	1333	1305	1271
-65.0	501	500	500	500	501	497	499	499	498	495
-75.0	188	187	186	187	188	189	193	197	200	203
-85.0	72	73	73	73	72	71	71	70	70	68
-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	67	66	65	64	62	59	56	53	49	46
75.0	205	204	203	200	192	174	151	139	127	118
65.0	490	482	472	457	440	416	387	351	310	266
55.0	1233	1189	1125	1058	991	899	801	689	575	476
47.5	2540 *	2416 *	2260 *	2064 *	1852	1634	1383	1133	892	697
42.5	3826 *	3646 *	3398 *	3068 *	2745 *	2365 *	1967	1560	1178	880
37.5	5518 *	5235 *	4839 *	4341 *	3868 *	3319 *	2727 *	2121 *	1549	1114
33.0	7736 *	7243 *	6578 *	5822 *	5091 *	4299 *	3519 *	2730 *	1952	1362
29.0	10483 *	9727 *	8707 *	7542 *	6436 *	5387 *	4297 *	3309 *	2354 *	1611
25.5	12793 *	12022 *	10880 *	9396 *	7878 *	6425 *	5065 *	3831 *	2719 *	1833

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**CANDELA TABULATION - (Cont.)**

22.5	14401 *	13658 *	12555 *	11026 *	9326 *	7423 *	5760 *	4272 *	3026 *	2047
19.5	15679 *	14989 *	13957 *	12488 *	10741 *	8513 *	6457 *	4738 *	3327 *	2239 *
17.0	16589 *	15925 *	14973 *	13515 *	11824 *	9509 *	7084 *	5101 *	3546 *	2390 *
15.0	17184 *	16626 *	15680 *	14263 *	12566 *	10217 *	7562 *	5362 *	3718 *	2507 *
13.0	17760 *	17171 *	16292 *	14925 *	13225 *	10858 *	7990 *	5651 *	3879 *	2611 *
11.0	18211 *	17704 *	16855 *	15513 *	13831 *	11434 *	8435 *	5904 *	4022 *	2701 *
9.0	18638 *	18115 *	17295 *	15987 *	14317 *	11936 *	8831 *	6119 *	4143 *	2777 *
7.0	18955 *	18459 *	17677 *	16392 *	14717 *	12321 *	9145 *	6291 *	4242 *	2838 *
5.0	19201 *	18737 *	17983 *	16689 *	15012 *	12597 *	9380 *	6420 *	4317 *	2885 *
3.0	19358 *	18890 *	18139 *	16885 *	15221 *	12786 *	9537 *	6508 *	4398 *	2933 *
1.0	19424 *	18941 *	18193 *	16985 *	15302 *	12859 *	9627 *	6558 *	4406 *	2935 *
0.0	19390 *	18912 *	18172 *	16977 *	15299 *	12859 *	9640 *	6559 *	4410 *	2936 *
-1.0	19424 *	18941 *	18193 *	16985 *	15302 *	12859 *	9627 *	6558 *	4406 *	2935 *
-3.0	19358 *	18890 *	18139 *	16885 *	15221 *	12786 *	9537 *	6508 *	4398 *	2933 *
-5.0	19201 *	18737 *	17983 *	16689 *	15012 *	12597 *	9380 *	6420 *	4317 *	2885 *
-7.0	18955 *	18459 *	17677 *	16392 *	14717 *	12321 *	9145 *	6291 *	4242 *	2838 *
-9.0	18638 *	18115 *	17295 *	15987 *	14317 *	11936 *	8831 *	6119 *	4143 *	2777 *
-11.0	18211 *	17704 *	16855 *	15513 *	13831 *	11434 *	8435 *	5904 *	4022 *	2701 *
-13.0	17760 *	17171 *	16292 *	14925 *	13225 *	10858 *	7990 *	5651 *	3879 *	2611 *
-15.0	17184 *	16626 *	15680 *	14263 *	12566 *	10217 *	7562 *	5362 *	3718 *	2507 *
-17.0	16589 *	15925 *	14973 *	13515 *	11824 *	9509 *	7084 *	5101 *	3546 *	2390 *
-19.5	15679 *	14989 *	13957 *	12488 *	10741 *	8513 *	6457 *	4738 *	3327 *	2239 *
-22.5	14401 *	13658 *	12555 *	11026 *	9326 *	7423 *	5760 *	4272 *	3026 *	2047
-25.5	12793 *	12022 *	10880 *	9396 *	7878 *	6425 *	5065 *	3831 *	2719 *	1833
-29.0	10483 *	9727 *	8707 *	7542 *	6436 *	5387 *	4297 *	3309 *	2354 *	1611
-33.0	7736 *	7243 *	6578 *	5822 *	5091 *	4299 *	3519 *	2730 *	1952 *	1362
-37.5	5518 *	5235 *	4839 *	4341 *	3868 *	3319 *	2727 *	2121 *	1549 *	1114
-42.5	3826 *	3646 *	3398 *	3068 *	2745 *	2365 *	1967 *	1560 *	1178 *	880
-47.5	2540 *	2416 *	2260 *	2064 *	1852 *	1634 *	1383 *	1133 *	892 *	697
-55.0	1233	1189	1125	1058	991	899	801	689	575	476
-65.0	490	482	472	457	440	416	387	351	310	266
-75.0	205	204	203	200	192	174	151	139	127	118
-85.0	67	66	65	64	62	59	56	53	49	46
-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	43	33	20	6	0
75.0	101	72	49	17	0
65.0	206	128	72	28	0
55.0	335	187	94	38	0
47.5	450	229	109	45	0
42.5	542	256	119	49	0
37.5	639	281	128	53	0
33.0	734	303	134	57	0
29.0	815	322	141	60	0
25.5	904	338	145	62	0
22.5	972	348	148	63	0
19.5	1036	359	151	65	0
17.0	1096	365	153	66	0
15.0	1138	368	155	67	0
13.0	1173	370	156	68	0
11.0	1202	371	157	70	0
9.0	1225	374	158	70	0

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

<b>7.0</b>	1241	377	159	70	0
<b>5.0</b>	1253	378	160	71	0
<b>3.0</b>	1266	380	159	71	0
<b>1.0</b>	1255	379	159	71	0
<b>0.0</b>	1250	378	159	71	0
<b>-1.0</b>	1255	379	159	71	0
<b>-3.0</b>	1266	380	159	71	0
<b>-5.0</b>	1253	378	160	71	0
<b>-7.0</b>	1241	377	159	70	0
<b>-9.0</b>	1225	374	158	70	0
<b>-11.0</b>	1202	371	157	70	0
<b>-13.0</b>	1173	370	156	68	0
<b>-15.0</b>	1138	368	155	67	0
<b>-17.0</b>	1096	365	153	66	0
<b>-19.5</b>	1036	359	151	65	0
<b>-22.5</b>	972	348	148	63	0
<b>-25.5</b>	904	338	145	62	0
<b>-29.0</b>	815	322	141	60	0
<b>-33.0</b>	734	303	134	57	0
<b>-37.5</b>	639	281	128	53	0
<b>-42.5</b>	542	256	119	49	0
<b>-47.5</b>	450	229	109	45	0
<b>-55.0</b>	335	187	94	38	0
<b>-65.0</b>	206	128	72	28	0
<b>-75.0</b>	101	72	49	17	0
<b>-85.0</b>	43	33	20	6	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12314.43

Total Field Lumens (one side of beam only) = 11345.7

\* 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	0.10	0.10	0.10	0.10
75	0.40	0.79	0.79	0.79	0.79	0.80	0.81	0.81	0.80	0.79
65	1.05	2.09	2.09	2.09	2.09	2.09	2.09	2.08	2.06	2.02
55	2.85	5.72	5.69	5.63	5.56	5.45	5.32	5.16	4.97	4.79
47.5	5.00 *	9.99 *	9.90 *	9.72 *	9.51 *	9.24	8.91	8.53	8.10	7.72
42.5	5.73 *	11.43 *	11.30 *	11.07 *	10.81 *	10.48 *	10.07 *	9.61 *	9.10 *	8.59 *
37.5	8.64 *	17.22 *	17.01 *	16.64 *	16.18 *	15.61 *	14.93 *	14.15 *	13.34 *	12.47 *
33	11.62 *	23.09 *	22.71 *	22.14 *	21.36 *	20.39 *	19.27 *	18.12 *	16.95 *	15.64 *
29	14.33 *	28.44 *	27.99 *	27.31 *	26.36 *	25.13 *	23.71 *	22.20 *	20.61 *	18.87 *
25.5	15.39 *	30.60 *	30.21 *	29.60 *	28.75 *	27.64 *	26.31 *	24.77 *	23.07 *	21.16 *
22.5	14.72 *	29.31 *	29.01 *	28.53 *	27.85 *	26.99 *	25.94 *	24.67 *	23.22 *	21.54 *
19.5	15.71 *	31.34 *	31.11 *	30.68 *	30.06 *	29.29 *	28.34 *	27.18 *	25.79 *	24.12 *
17	13.70 *	27.35 *	27.20 *	26.89 *	26.43 *	25.87 *	25.14 *	24.23 *	23.12 *	21.75 *
15	11.32 *	22.61 *	22.49 *	22.26 *	21.93 *	21.52 *	20.97 *	20.26 *	19.42 *	18.35 *
13	11.61 *	23.19 *	23.08 *	22.86 *	22.56 *	22.15 *	21.61 *	20.94 *	20.13 *	19.07 *
11	11.86 *	23.69 *	23.59 *	23.39 *	23.10 *	22.69 *	22.16 *	21.52 *	20.74 *	19.60 *
9	12.08 *	24.12 *	24.02 *	23.82 *	23.53 *	23.14 *	22.65 *	22.03 *	21.28 *	20.07 *
7	12.26 *	24.47 *	24.36 *	24.15 *	23.87 *	23.51 *	23.05 *	22.46 *	21.72 *	20.44 *
5	12.40 *	24.73 *	24.60 *	24.39 *	24.14 *	23.80 *	23.35 *	22.78 *	22.06 *	20.71 *
3	12.48 *	24.89 *	24.74 *	24.57 *	24.33 *	23.99 *	23.55 *	23.00 *	22.31 *	20.99 *
1	12.50 *	24.92 *	24.80 *	24.64 *	24.40 *	24.08 *	23.65 *	23.12 *	22.43 *	21.04 *
0	6.23 *	12.43 *	12.38 *	12.30 *	12.19 *	12.04 *	11.83 *	11.57 *	11.22 *	10.79 *
-1	6.23 *	12.43 *	12.38 *	12.30 *	12.19 *	12.04 *	11.83 *	11.57 *	11.22 *	10.79 *
	12.50 *	24.92 *	24.80 *	24.64 *	24.40 *	24.08 *	23.65 *	23.12 *	22.43 *	21.04 *



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

<b>-3</b>	12.48 *	24.89 *	24.74 *	24.57 *	24.33 *	23.99 *	23.55 *	23.00 *	22.31 *	26.67 *
<b>-5</b>	12.40 *	24.73 *	24.60 *	24.39 *	24.14 *	23.80 *	23.35 *	22.78 *	22.06 *	26.34 *
<b>-7</b>	12.26 *	24.47 *	24.36 *	24.15 *	23.87 *	23.51 *	23.05 *	22.46 *	21.72 *	25.87 *
<b>-9</b>	12.08 *	24.12 *	24.02 *	23.82 *	23.53 *	23.14 *	22.65 *	22.03 *	21.28 *	25.30 *
<b>-11</b>	11.86 *	23.69 *	23.59 *	23.39 *	23.10 *	22.69 *	22.16 *	21.52 *	20.74 *	24.60 *
<b>-13</b>	11.61 *	23.19 *	23.08 *	22.86 *	22.56 *	22.15 *	21.61 *	20.94 *	20.13 *	23.78 *
<b>-15</b>	11.32 *	22.61 *	22.49 *	22.26 *	21.93 *	21.52 *	20.97 *	20.26 *	19.42 *	22.85 *
<b>-17</b>	13.70 *	27.35 *	27.20 *	26.89 *	26.43 *	25.87 *	25.14 *	24.23 *	23.12 *	27.05 *
<b>-19.5</b>	15.71 *	31.34 *	31.11 *	30.68 *	30.06 *	29.29 *	28.34 *	27.18 *	25.79 *	29.92 *
<b>-22.5</b>	14.72 *	29.31 *	29.01 *	28.53 *	27.85 *	26.99 *	25.94 *	24.67 *	23.22 *	26.64 *
<b>-25.5</b>	15.39 *	30.60 *	30.21 *	29.60 *	28.75 *	27.64 *	26.31 *	24.77 *	23.07 *	26.16 *
<b>-29</b>	14.33 *	28.44 *	27.99 *	27.31 *	26.36 *	25.13 *	23.71 *	22.20 *	20.61 *	23.33 *
<b>-33</b>	11.62 *	23.09 *	22.71 *	22.14 *	21.36 *	20.39 *	19.27 *	18.12 *	16.95 *	19.44 *
<b>-37.5</b>	8.64 *	17.22 *	17.01 *	16.64 *	16.18 *	15.61 *	14.93 *	14.15 *	13.34 *	15.47 *
<b>-42.5</b>	5.73 *	11.43 *	11.30 *	11.07 *	10.81 *	10.48 *	10.07 *	9.61 *	9.10 *	10.59 *
<b>-47.5</b>	5.00 *	9.99 *	9.90 *	9.72 *	9.51 *	9.24	8.91	8.53	8.10	9.48
<b>-55</b>	2.85	5.72	5.69	5.63	5.56	5.45	5.32	5.16	4.97	5.91
<b>-65</b>	1.05	2.09	2.09	2.09	2.09	2.09	2.08	2.06	2.02	2.46
<b>-75</b>	0.40	0.79	0.79	0.79	0.80	0.81	0.81	0.80	0.79	0.97
<b>-85</b>	0.06	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.12
<b>-90</b>										
<b>Total</b>	423.85	845.10	838.38	827.20	811.84	792.00	767.48	738.51	705.01	826.37

**Vert. Horizontal Angles**

<b>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>	0.14	0.13	0.14	0.15	0.15	0.15	0.13	0.16	0.14	0.07
<b>85</b>	1.13	1.08	1.15	1.15	1.12	1.07	0.92	1.10	0.95	0.45
<b>75</b>	2.84	2.69	2.90	2.94	2.88	2.70	2.21	2.47	1.93	0.84
<b>65</b>	6.64	6.15	6.51	6.53	6.23	5.61	4.38	4.58	3.26	1.25
<b>55</b>	10.41	9.34	9.55	9.24	8.41	7.19	5.33	5.25	3.43	1.21

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

<b>47.5</b>										
	11.51 *	10.15 *	10.18 *	9.59	8.45	6.94	4.91	4.59	2.81	0.93
<b>42.5</b>	16.68 *	14.63 *	14.57 *	13.55 *	11.72 *	9.34	6.35	5.67	3.27	1.02
<b>37.5</b>	20.71 *	17.96 *	17.67 *	16.29 *	13.97 *	10.96 *	7.24	6.19	3.35	0.99
<b>33</b>	24.44 *	20.78 *	20.10 *	18.28 *	15.51 *	12.07 *	7.84	6.46	3.31	0.94
<b>29</b>	27.26 *	22.83 *	21.66 *	19.35 *	16.16 *	12.46 *	8.02 *	6.46	3.17	0.86
<b>25.5</b>	28.06 *	23.56 *	22.07 *	19.32 *	15.89 *	12.11 *	7.77 *	6.17	2.92	0.76
<b>22.5</b>	32.01 *	27.28 *	25.59 *	22.05 *	17.82 *	13.44 *	8.59 *	6.75	3.10	0.79
<b>19.5</b>	29.29 *	25.34 *	24.04 *	20.60 *	16.35 *	12.18 *	7.74 *	6.04	2.72	0.67
<b>17</b>	24.92 *	21.77 *	20.90 *	17.95 *	14.05 *	10.34 *	6.55 *	5.10	2.26	0.54
<b>15</b>	26.09 *	22.95 *	22.21 *	19.12 *	14.87 *	10.85 *	6.84 *	5.31	2.32	0.55
<b>13</b>	27.12 *	24.00 *	23.38 *	20.21 *	15.66 *	11.35 *	7.11 *	5.49	2.37	0.55
<b>11</b>	28.00 *	24.90 *	24.41 *	21.22 *	16.39 *	11.77 *	7.34 *	5.65	2.41	0.55
<b>9</b>	28.73 *	25.63 *	25.25 *	22.05 *	17.00 *	12.13 *	7.54 *	5.77	2.45	0.56
<b>7</b>	29.32 *	26.22 *	25.89 *	22.68 *	17.48 *	12.40 *	7.69 *	5.87	2.47	0.56
<b>5</b>	29.73 *	26.63 *	26.35 *	23.13 *	17.82 *	12.62 *	7.82 *	5.96 *	2.49	0.56
<b>3</b>	29.94 *	26.88 *	26.61 *	23.40 *	18.04 *	12.75 *	7.90 *	5.99 *	2.49	0.56
<b>1</b>	15.00 *	13.47 *	13.34 *	11.74 *	9.06 *	6.40 *	3.95 *	2.99 *	1.24	0.28
<b>0</b>	15.00 *	13.47 *	13.34 *	11.74 *	9.06 *	6.40 *	3.95 *	2.99 *	1.24	0.28
<b>-1</b>	29.94 *	26.88 *	26.61 *	23.40 *	18.04 *	12.75 *	7.90 *	5.99 *	2.49	0.56
<b>-3</b>	29.73 *	26.63 *	26.35 *	23.13 *	17.82 *	12.62 *	7.82 *	5.96 *	2.49	0.56
<b>-5</b>	29.32 *	26.22 *	25.89 *	22.68 *	17.48 *	12.40 *	7.69 *	5.87	2.47	0.56
<b>-7</b>	28.73 *	25.63 *	25.25 *	22.05 *	17.00 *	12.13 *	7.54 *	5.77	2.45	0.56
<b>-9</b>	28.00 *	24.90 *	24.41 *	21.22 *	16.39 *	11.77 *	7.34 *	5.65	2.41	0.55
<b>-11</b>	27.12 *	24.00 *	23.38 *	20.21 *	15.66 *	11.35 *	7.11 *	5.49	2.37	0.55
<b>-13</b>	26.09 *	22.95 *	22.21 *	19.12 *	14.87 *	10.85 *	6.84 *	5.31	2.32	0.55
<b>-15</b>	24.92 *	21.77 *	20.90 *	17.95 *	14.05 *	10.34 *	6.55 *	5.10	2.26	0.54
<b>-17</b>	29.29 *	25.34 *	24.04 *	20.60 *	16.35 *	12.18 *	7.74 *	6.04	2.72	0.67
<b>-19.5</b>	32.01 *	27.28 *	25.59 *	22.05 *	17.82 *	13.44 *	8.59 *	6.75	3.10	0.79

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

<b>-22.5</b>	28.06 *	23.56 *	22.07 *	19.32 *	15.89 *	12.11 *	7.77 *	6.17	2.92	0.76
<b>-25.5</b>	27.26 *	22.83 *	21.66 *	19.35 *	16.16 *	12.46 *	8.02 *	6.46	3.17	0.86
<b>-29</b>	24.44 *	20.78 *	20.10 *	18.28 *	15.51 *	12.07 *	7.84	6.46	3.31	0.94
<b>-33</b>	20.71 *	17.96 *	17.67 *	16.29 *	13.97 *	10.96 *	7.24	6.19	3.35	0.99
<b>-37.5</b>	16.68 *	14.63 *	14.57 *	13.55 *	11.72 *	9.34	6.35	5.67	3.27	1.02
<b>-42.5</b>	11.51 *	10.15 *	10.18 *	9.59	8.45	6.94	4.91	4.59	2.81	0.93
<b>-47.5</b>	10.41	9.34	9.55	9.24	8.41	7.19	5.33	5.25	3.43	1.21
<b>-55</b>	6.64	6.15	6.51	6.53	6.23	5.61	4.38	4.58	3.26	1.25
<b>-65</b>	2.84	2.69	2.90	2.94	2.88	2.70	2.21	2.47	1.93	0.84
<b>-75</b>	1.13	1.08	1.15	1.15	1.12	1.07	0.92	1.10	0.95	0.45
<b>-85</b>	0.14	0.13	0.14	0.15	0.15	0.15	0.13	0.16	0.14	0.07
<b>-90</b>										
<b>Total</b>	899.92	788.70	769.01	681.07	550.02	413.72	268.35	220.01	109.67	30.94

<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>				
	0.02	0.00		2.39
<b>85</b>				
	0.12	0.00		18.00
<b>75</b>				
	0.22	0.01		44.74
<b>65</b>				
	0.31	0.01		103.72
<b>55</b>				
	0.28	0.01		157.99
<b>47.5</b>				
	0.21	0.01		170.47
<b>42.5</b>				
	0.23	0.01		246.23
<b>37.5</b>				
	0.22	0.01		310.65
<b>33</b>				
	0.21	0.01		369.34
<b>29</b>				
	0.19	0.01		400.93
<b>25.5</b>				
	0.17	0.01		395.69
<b>22.5</b>				
	0.17	0.01		437.01
<b>19.5</b>				
	0.14	0.01		392.10
<b>17</b>				
	0.12	0.00		330.14

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

**LUMENS TABULATION - (Cont.)**

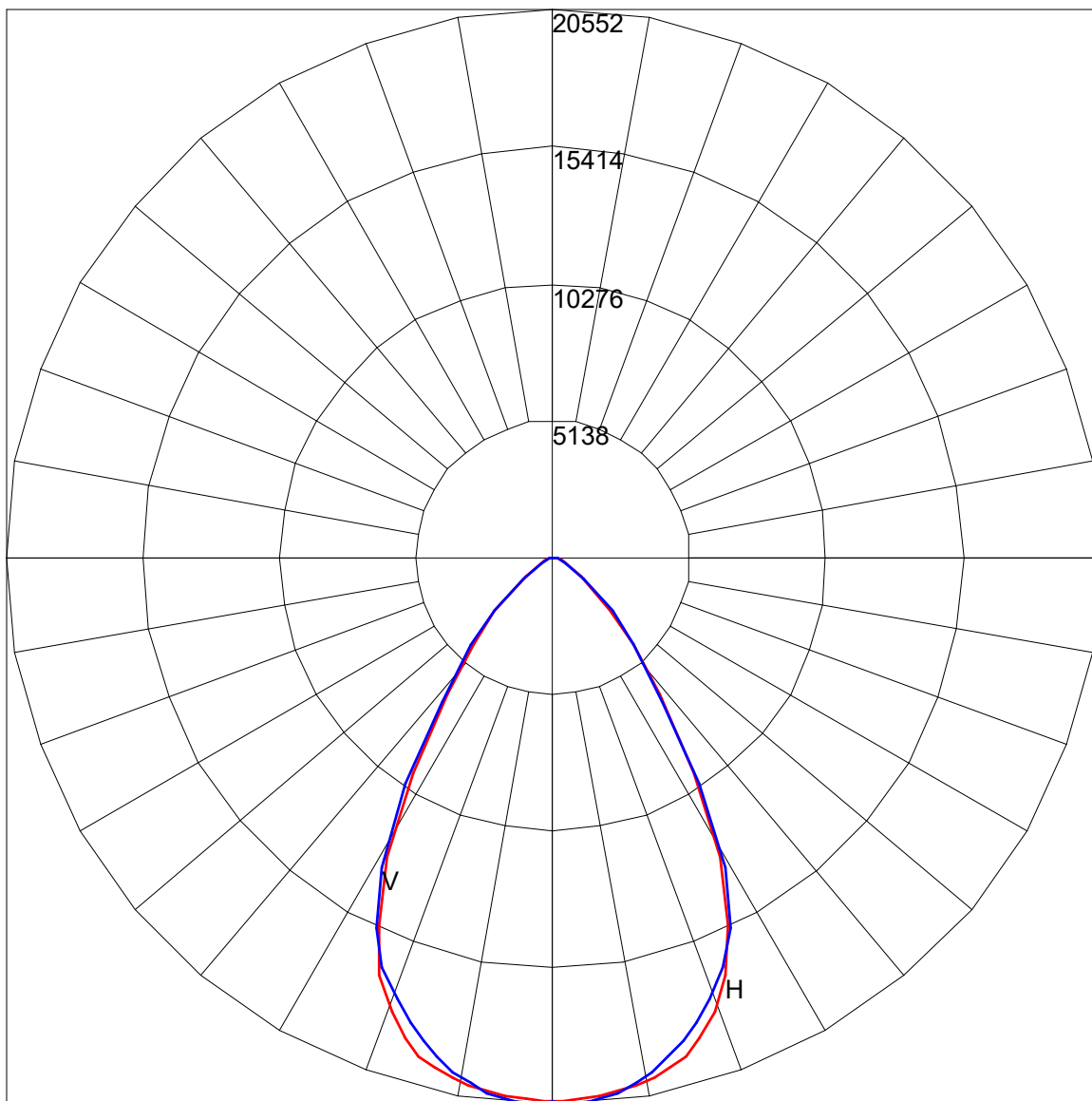
<b>15</b>			
	0.12	0.00	343.13
<b>13</b>			
	0.12	0.00	354.72
<b>11</b>			
	0.12	0.00	364.73
<b>9</b>			
	0.12	0.00	372.94
<b>7</b>			
	0.12	0.00	379.31
<b>5</b>			
	0.12	0.00	383.76
<b>3</b>			
	0.12	0.00	386.05
<b>1</b>			
	0.06	0.00	193.17
<b>0</b>			
	0.06	0.00	193.17
<b>-1</b>			
	0.12	0.00	386.05
<b>-3</b>			
	0.12	0.00	383.76
<b>-5</b>			
	0.12	0.00	379.31
<b>-7</b>			
	0.12	0.00	372.94
<b>-9</b>			
	0.12	0.00	364.73
<b>-11</b>			
	0.12	0.00	354.72
<b>-13</b>			
	0.12	0.00	343.13
<b>-15</b>			
	0.12	0.00	330.14
<b>-17</b>			
	0.14	0.01	392.10
<b>-19.5</b>			
	0.17	0.01	437.01
<b>-22.5</b>			
	0.17	0.01	395.69
<b>-25.5</b>			
	0.19	0.01	400.93
<b>-29</b>			
	0.21	0.01	369.34
<b>-33</b>			
	0.22	0.01	310.65
<b>-37.5</b>			
	0.23	0.01	246.23
<b>-42.5</b>			
	0.21	0.01	170.47
<b>-47.5</b>			
	0.28	0.01	157.99
<b>-55</b>			
	0.31	0.01	103.72
<b>-65</b>			
	0.22	0.01	44.74

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

**LUMENS TABULATION - (Cont.)**

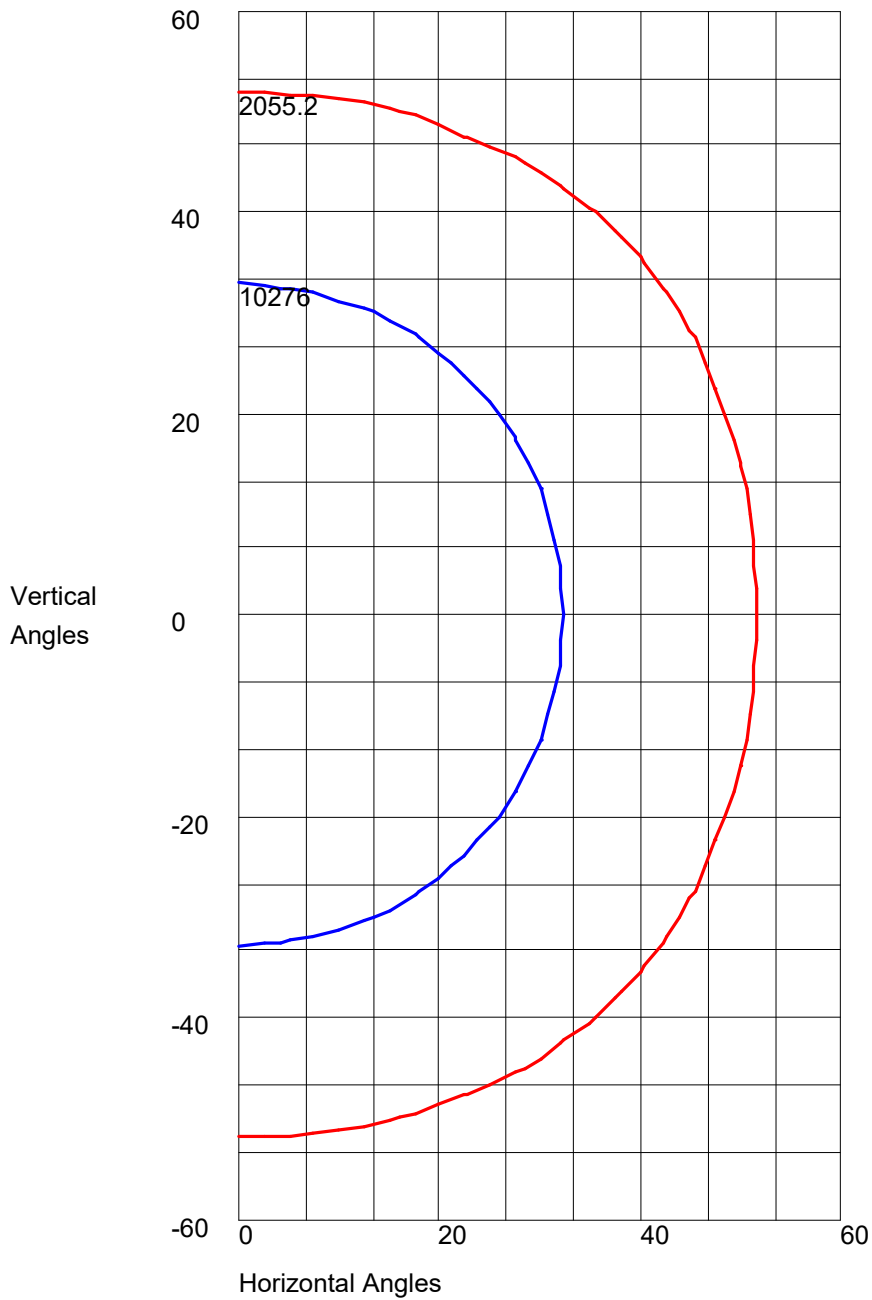
<b>-75</b>	0.12	0.00	18.00
<b>-85</b>	0.02	0.00	2.39
<b>-90</b>			
<b>Total</b>	7.01	0.26	12314.42

AXIAL CANDELA DISPLAY



Maximum Candela = 20552 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 20552 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 10276  
10% Maximum Candela = 2055.2