



IES FLOOD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12620

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-30L-PC-WF-50-80-HGS

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 4000

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	23496
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	16677
Beam Efficiency	N.A.
Field Lumens	23528
Field Efficiency	N.A.
Spill Lumens	1797
Luminaire Lumens	25324
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	9	85	25
75	37	75	143
65	184	65	390
55	872	55	1170
47.5	2332	47.5	2820
42.5	3775	42.5	4626
37.5	6083	37.5	6911
33	9369	33	10109
29	13031	29	13786
25.5	16141	25.5	16562
22.5	18435	22.5	18245
19.5	20197	19.5	19463
17	21460	17	20358
15	22201	15	20985
13	22569	13	21539
11	22848	11	22042
9	23047	9	22489
7	23177	7	22871
5	23247	5	23173
3	23281	3	23404
1	23340	1	23409
0	23374	0	23374
-1	23340	-1	23423
-3	23281	-3	23496
-5	23247	-5	23495
-7	23177	-7	23383
-9	23047	-9	23183
-11	22848	-11	22912
-13	22569	-13	22566
-15	22201	-15	22124
-17	21460	-17	21581
-19.5	20197	-19.5	20877
-22.5	18435	-22.5	19341
-25.5	16141	-25.5	17009
-29	13031	-29	14795
-33	9369	-33	10648
-37.5	6083	-37.5	6529
-42.5	3775	-42.5	4212
-47.5	2332	-47.5	2814
-55	872	-55	1029
-65	184	-65	284
-75	37	-75	9
-85	9	-85	6
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 23496

Beam Edge = 11748 Cd (50% of Max.)

Field Edge = 2349.6 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	1	5	11	15	17	18	19	20	21
75.0	0	4	11	17	23	34	48	61	73	90
65.0	0	6	15	25	64	113	150	195	234	269
55.0	0	7	18	50	154	271	367	477	589	692
47.5	0	8	21	76	245	458	636	869	1114	1357
42.5	0	8	24	96	319	616	889	1257	1663	2083
37.5	0	8	27	116	405	817	1225	1790	2414 *	3067 *
33.0	0	8	29	134	487	1021	1580	2359 *	3196 *	4059 *
29.0	0	9	32	149	553	1224	1923	2899 *	3941 *	5102 *
25.5	0	9	34	161	620	1400	2236	3395 *	4658 *	6115 *
22.5	0	9	35	169	669	1574	2514 *	3816 *	5325 *	7139 *
19.5	0	9	36	177	715	1726	2792 *	4260 *	5995 *	8236 *
17.0	0	9	37	182	758	1848	2981 *	4620 *	6648 *	9156 *
15.0	0	9	37	185	788	1955	3144 *	4885 *	7165 *	9831 *
13.0	0	9	38	186	813	2048	3317 *	5183 *	7616 *	10589 *
11.0	0	9	38	186	834	2126	3466 *	5440 *	8065 *	11269 *
9.0	0	9	38	188	850	2190	3581 *	5648 *	8479 *	11862 *
7.0	0	9	38	188	861	2239	3664 *	5814 *	8809 *	12319 *
5.0	0	9	38	188	871	2276	3717 *	5935 *	9054 *	12664 *
3.0	0	9	38	188	882	2324	3780 *	6021 *	9217 *	12908 *
1.0	0	9	37	185	876	2329	3777 *	6079 *	9340 *	13021 *
0.0	0	9	37	184	872	2332	3775 *	6083 *	9369 *	13031 *
-1.0	0	9	37	184	872	2329	3781 *	6118 *	9414 *	13104 *
-3.0	0	9	36	183	873	2322	3793 *	6133 *	9439 *	13153 *
-5.0	0	9	36	179	856	2272	3734 *	6084 *	9330 *	13001 *
-7.0	0	9	35	176	840	2233	3684 *	5971 *	9125 *	12744 *
-9.0	0	9	34	172	824	2182	3609 *	5808 *	8830 *	12365 *
-11.0	0	9	33	167	803	2118	3512 *	5596 *	8453 *	11861 *
-13.0	0	8	32	163	776	2039	3391 *	5343 *	8024 *	11263 *
-15.0	0	8	31	158	744	1946	3239 *	5048 *	7594 *	10575 *
-17.0	0	8	30	153	707	1840	3054 *	4767 *	7102 *	9906 *
-19.5	0	8	29	144	653	1701	2808 *	4348 *	6395 *	8854 *
-22.5	0	8	28	133	595	1517	2490 *	3794 *	5559 *	7572 *
-25.5	0	7	26	121	533	1301	2189	3291 *	4718 *	6350 *
-29.0	0	7	24	108	450	1089	1803	2709 *	3814 *	5074 *
-33.0	0	7	21	91	375	862	1378	2108	2890 *	3818 *
-37.5	0	6	19	72	294	653	1004	1510	2070	2678 *
-42.5	0	6	17	55	215	467	702	1034	1399	1784
-47.5	0	5	14	39	148	327	486	704	929	1195
-55.0	0	5	11	22	71	155	232	321	420	512
-65.0	0	3	7	12	17	34	56	85	114	140
-75.0	0	2	4	5	7	8	8	9	9	10
-85.0	0	1	1	2	3	3	3	4	4	5
-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	21	22	23	23	24	24	25	25	25	24
75.0	105	116	125	131	136	138	139	140	141	144
65.0	300	325	346	363	374	383	387	390	392	391
55.0	789	859	932	1005	1055	1098	1127	1144	1153	1169
47.5	1579	1816	2024	2187	2324	2448 *	2557 *	2646 *	2716 *	2758 *
42.5	2491 *	2857 *	3252 *	3552 *	3768 *	3979 *	4174 *	4329 *	4444 *	4530 *
37.5	3702 *	4242 *	4813 *	5270 *	5597 *	5928 *	6220 *	6467 *	6643 *	6777 *
33.0	4924 *	5737 *	6575 *	7290 *	7825 *	8309 *	8823 *	9277 *	9614 *	9867 *
29.0	6293 *	7479 *	8687 *	9710 *	10550 *	11404 *	12062 *	12620 *	13083 *	13445 *
25.5	7731 *	9290 *	10914 *	12385 *	13343 *	14149 *	14863 *	15447 *	15926 *	16251 *
22.5	9117 *	11026 *	12943 *	14391 *	15422 *	16178 *	16806 *	17283 *	17690 *	17979 *
19.5	10546 *	12709 *	14628 *	16048 *	17042 *	17805 *	18352 *	18745 *	19059 *	19269 *
17.0	11764 *	13947 *	15849 *	17230 *	18220 *	18847 *	19364 *	19730 *	19994 *	20158 *
15.0	12631 *	14840 *	16682 *	18096 *	18958 *	19610 *	20036 *	20401 *	20652 *	20801 *
13.0	13419 *	15648 *	17445 *	18824 *	19728 *	20242 *	20669 *	20993 *	21252 *	21398 *
11.0	14175 *	16392 *	18143 *	19560 *	20332 *	20851 *	21228 *	21538 *	21782 *	21922 *
9.0	14784 *	16963 *	18716 *	20042 *	20890 *	21354 *	21712 *	21992 *	22218 *	22370 *
7.0	15286 *	17462 *	19223 *	20523 *	21292 *	21786 *	22112 *	22350 *	22569 *	22728 *
5.0	15688 *	17881 *	19617 *	20928 *	21617 *	22091 *	22432 *	22656 *	22816 *	22974 *
3.0	15977 *	18203 *	19918 *	21202 *	21925 *	22336 *	22626 *	22859 *	23041 *	23133 *
1.0	16120 *	18409 *	20123 *	21388 *	22182 *	22548 *	22824 *	23012 *	23140 *	23217 *
0.0	16141 *	18435 *	20197 *	21460 *	22201 *	22569 *	22848 *	23047 *	23177 *	23247 *
-1.0	16198 *	18500 *	20210 *	21462 *	22246 *	22606 *	22883 *	23094 *	23238 *	23293 *
-3.0	16194 *	18451 *	20171 *	21458 *	22202 *	22625 *	22925 *	23154 *	23329 *	23381 *
-5.0	16013 *	18254 *	20025 *	21373 *	22101 *	22593 *	22941 *	23134 *	23245 *	23346 *
-7.0	15719 *	17956 *	19804 *	21168 *	21973 *	22465 *	22762 *	22961 *	23117 *	23272 *
-9.0	15329 *	17578 *	19449 *	20839 *	21694 *	22163 *	22497 *	22733 *	22941 *	23075 *
-11.0	14831 *	17124 *	18990 *	20411 *	21213 *	21780 *	22146 *	22454 *	22674 *	22779 *
-13.0	14203 *	16533 *	18442 *	19819 *	20742 *	21312 *	21749 *	22091 *	22285 *	22402 *
-15.0	13544 *	15876 *	17826 *	19243 *	20132 *	20815 *	21253 *	21598 *	21787 *	21949 *
-17.0	12768 *	15108 *	17094 *	18493 *	19497 *	20158 *	20676 *	21011 *	21249 *	21422 *
-19.5	11670 *	13836 *	16011 *	17389 *	18415 *	19223 *	19799 *	20168 *	20460 *	20677 *
-22.5	9962 *	12054 *	14001 *	15454 *	16478 *	17312 *	17955 *	18406 *	18842 *	19191 *
-25.5	8176 *	10054 *	11886 *	13149 *	14178 *	14999 *	15596 *	16216 *	16625 *	16839 *
-29.0	6426 *	7732 *	9183 *	10519 *	11505 *	12365 *	13136 *	13887 *	14427 *	14626 *
-33.0	4724 *	5598 *	6478 *	7366 *	7987 *	8546 *	9205 *	9772 *	10162 *	10424 *
-37.5	3250 *	3764 *	4376 *	4860 *	5202 *	5621 *	5998 *	6314 *	6463 *	6522 *
-42.5	2173	2525 *	2881 *	3150 *	3379 *	3597 *	3795 *	3943 *	4051 *	4135 *
-47.5	1443	1666	1896	2091	2244	2383 *	2508 *	2595 *	2670 *	2732 *
-55.0	613	695	779	854	909	958	992	1014	1029	1038
-65.0	164	184	206	224	238	251	260	269	276	281
-75.0	11	11	11	11	11	11	11	10	10	10
-85.0	5	5	6	7	7	7	7	6	6	6
-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	24	25	25	25	24	24	25	25	25	24
75.0	144	143	143	143	144	144	141	140	139	138
65.0	393	391	390	391	393	391	392	390	387	383

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CANDELA TABULATION - (Cont.)

55.0	1185	1175	1170	1175	1185	1169	1153	1144	1127	1098
47.5	2789 *	2810 *	2820 *	2810 *	2789 *	2758 *	2716 *	2646 *	2557 *	2448 *
42.5	4622 *	4625 *	4626 *	4625 *	4622 *	4530 *	4444 *	4329 *	4174 *	3979 *
37.5	6920 *	6931 *	6911 *	6931 *	6920 *	6777 *	6643 *	6467 *	6220 *	5928 *
33.0	10079 *	10126 *	10109 *	10126 *	10079 *	9867 *	9614 *	9277 *	8823 *	8309 *
29.0	13715 *	13805 *	13786 *	13805 *	13715 *	13445 *	13083 *	12620 *	12062 *	11404 *
25.5	16473 *	16576 *	16562 *	16576 *	16473 *	16251 *	15926 *	15447 *	14863 *	14149 *
22.5	18166 *	18271 *	18245 *	18271 *	18166 *	17979 *	17690 *	17283 *	16806 *	16178 *
19.5	19431 *	19474 *	19463 *	19474 *	19431 *	19269 *	19059 *	18745 *	18352 *	17805 *
17.0	20275 *	20324 *	20358 *	20324 *	20275 *	20158 *	19994 *	19730 *	19364 *	18847 *
15.0	20908 *	20947 *	20985 *	20947 *	20908 *	20801 *	20652 *	20401 *	20036 *	19610 *
13.0	21493 *	21482 *	21539 *	21482 *	21493 *	21398 *	21252 *	20993 *	20669 *	20242 *
11.0	22013 *	21991 *	22042 *	21991 *	22013 *	21922 *	21782 *	21538 *	21228 *	20851 *
9.0	22453 *	22473 *	22489 *	22473 *	22453 *	22370 *	22218 *	21992 *	21712 *	21354 *
7.0	22824 *	22878 *	22871 *	22878 *	22824 *	22728 *	22569 *	22350 *	22112 *	21786 *
5.0	23096 *	23178 *	23173 *	23178 *	23096 *	22974 *	22816 *	22656 *	22432 *	22091 *
3.0	23241 *	23375 *	23404 *	23375 *	23241 *	23133 *	23041 *	22859 *	22626 *	22336 *
1.0	23284 *	23372 *	23409 *	23372 *	23284 *	23217 *	23140 *	23012 *	22824 *	22548 *
0.0	23281 *	23340 *	23374 *	23340 *	23281 *	23247 *	23177 *	23047 *	22848 *	22569 *
-1.0	23360 *	23387 *	23423 *	23387 *	23360 *	23293 *	23238 *	23094 *	22883 *	22606 *
-3.0	23398 *	23467 *	23496 *	23467 *	23398 *	23381 *	23329 *	23154 *	22925 *	22625 *
-5.0	23424 *	23462 *	23495 *	23462 *	23424 *	23346 *	23245 *	23134 *	22941 *	22593 *
-7.0	23338 *	23357 *	23383 *	23357 *	23338 *	23272 *	23117 *	22961 *	22762 *	22465 *
-9.0	23143 *	23155 *	23183 *	23155 *	23143 *	23075 *	22941 *	22733 *	22497 *	22163 *
-11.0	22853 *	22865 *	22912 *	22865 *	22853 *	22779 *	22674 *	22454 *	22146 *	21780 *
-13.0	22483 *	22505 *	22566 *	22505 *	22483 *	22402 *	22285 *	22091 *	21749 *	21312 *
-15.0	22041 *	22085 *	22124 *	22085 *	22041 *	21949 *	21787 *	21598 *	21253 *	20815 *
-17.0	21503 *	21540 *	21581 *	21540 *	21503 *	21422 *	21249 *	21011 *	20676 *	20158 *
-19.5	20765 *	20826 *	20877 *	20826 *	20765 *	20677 *	20460 *	20168 *	19799 *	19223 *
-22.5	19359 *	19399 *	19341 *	19399 *	19359 *	19191 *	18842 *	18406 *	17955 *	17312 *
-25.5	16940 *	16994 *	17009 *	16994 *	16940 *	16839 *	16625 *	16216 *	15596 *	14999 *
-29.0	14758 *	14806 *	14795 *	14806 *	14758 *	14626 *	14427 *	13887 *	13136 *	12365 *
-33.0	10579 *	10647 *	10648 *	10647 *	10579 *	10424 *	10162 *	9772 *	9205 *	8546 *
-37.5	6506 *	6540 *	6529 *	6540 *	6506 *	6522 *	6463 *	6314 *	5998 *	5621 *
-42.5	4218 *	4214 *	4212 *	4214 *	4218 *	4135 *	4051 *	3943 *	3795 *	3597 *
-47.5	2794 *	2807 *	2814 *	2807 *	2794 *	2732 *	2670 *	2595 *	2508 *	2383 *
-55.0	1046	1035	1029	1035	1046	1038	1029	1014	992	958
-65.0	286	285	284	285	286	281	276	269	260	251
-75.0	10	9	9	9	10	10	10	10	11	11
-85.0	6	6	6	6	6	6	6	6	7	7
-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	24	23	23	22	21	21	20	19	18	17
75.0	136	131	125	116	105	90	73	61	48	34
65.0	374	363	346	325	300	269	234	195	150	113
55.0	1055	1005	932	859	789	692	589	477	367	271
47.5	2324	2187	2024	1816	1579	1357	1114	869	636	458
42.5	3768 *	3552 *	3252 *	2857 *	2491 *	2083	1663	1257	889	616
37.5	5597 *	5270 *	4813 *	4242 *	3702 *	3067 *	2414 *	1790	1225	817
33.0	7825 *	7290 *	6575 *	5737 *	4924 *	4059 *	3196 *	2359 *	1580	1021
29.0	10550 *	9710 *	8687 *	7479 *	6293 *	5102 *	3941 *	2899 *	1923	1224
25.5	13343 *	12385 *	10914 *	9290 *	7731 *	6115 *	4658 *	3395 *	2236	1400

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CANDELA TABULATION - (Cont.)

22.5	15422 *	14391 *	12943 *	11026 *	9117 *	7139 *	5325 *	3816 *	2514 *	1574
19.5	17042 *	16048 *	14628 *	12709 *	10546 *	8236 *	5995 *	4260 *	2792 *	1726
17.0	18220 *	17230 *	15849 *	13947 *	11764 *	9156 *	6648 *	4620 *	2981 *	1848
15.0	18958 *	18096 *	16682 *	14840 *	12631 *	9831 *	7165 *	4885 *	3144 *	1955
13.0	19728 *	18824 *	17445 *	15648 *	13419 *	10589 *	7616 *	5183 *	3317 *	2048
11.0	20332 *	19560 *	18143 *	16392 *	14175 *	11269 *	8065 *	5440 *	3466 *	2126
9.0	20890 *	20042 *	18716 *	16963 *	14784 *	11862 *	8479 *	5648 *	3581 *	2190
7.0	21292 *	20523 *	19223 *	17462 *	15286 *	12319 *	8809 *	5814 *	3664 *	2239
5.0	21617 *	20928 *	19617 *	17881 *	15688 *	12664 *	9054 *	5935 *	3717 *	2276
3.0	21925 *	21202 *	19918 *	18203 *	15977 *	12908 *	9217 *	6021 *	3780 *	2324
1.0	22182 *	21388 *	20123 *	18409 *	16120 *	13021 *	9340 *	6079 *	3777 *	2329
0.0	22201 *	21460 *	20197 *	18435 *	16141 *	13031 *	9369 *	6083 *	3775 *	2332
-1.0	22246 *	21462 *	20210 *	18500 *	16198 *	13104 *	9414 *	6118 *	3781 *	2329
-3.0	22202 *	21458 *	20171 *	18451 *	16194 *	13153 *	9439 *	6133 *	3793 *	2322
-5.0	22101 *	21373 *	20025 *	18254 *	16013 *	13001 *	9330 *	6084 *	3734 *	2272
-7.0	21973 *	21168 *	19804 *	17956 *	15719 *	12744 *	9125 *	5971 *	3684 *	2233
-9.0	21694 *	20839 *	19449 *	17578 *	15329 *	12365 *	8830 *	5808 *	3609 *	2182
-11.0	21213 *	20411 *	18990 *	17124 *	14831 *	11861 *	8453 *	5596 *	3512 *	2118
-13.0	20742 *	19819 *	18442 *	16533 *	14203 *	11263 *	8024 *	5343 *	3391 *	2039
-15.0	20132 *	19243 *	17826 *	15876 *	13544 *	10575 *	7594 *	5048 *	3239 *	1946
-17.0	19497 *	18493 *	17094 *	15108 *	12768 *	9906 *	7102 *	4767 *	3054 *	1840
-19.5	18415 *	17389 *	16011 *	13836 *	11670 *	8854 *	6395 *	4348 *	2808 *	1701
-22.5	16478 *	15454 *	14001 *	12054 *	9962 *	7572 *	5559 *	3794 *	2490 *	1517
-25.5	14178 *	13149 *	11886 *	10054 *	8176 *	6350 *	4718 *	3291 *	2189 *	1301
-29.0	11505 *	10519 *	9183 *	7732 *	6426 *	5074 *	3814 *	2709 *	1803 *	1089
-33.0	7987 *	7366 *	6478 *	5598 *	4724 *	3818 *	2890 *	2108 *	1378 *	862
-37.5	5202 *	4860 *	4376 *	3764 *	3250 *	2678 *	2070 *	1510 *	1004 *	653
-42.5	3379 *	3150 *	2881 *	2525 *	2173 *	1784 *	1399 *	1034 *	702 *	467
-47.5	2244 *	2091 *	1896 *	1666 *	1443 *	1195 *	929 *	704 *	486 *	327
-55.0	909 *	854 *	779 *	695 *	613 *	512 *	420 *	321 *	232 *	155
-65.0	238 *	224 *	206 *	184 *	164 *	140 *	114 *	85 *	56 *	34
-75.0	11 *	11 *	11 *	11 *	11 *	10 *	9 *	9 *	8 *	8
-85.0	7 *	7 *	6 *	5 *	5 *	5 *	4 *	4 *	3 *	3
-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	15	11	5	1	0
75.0	23	17	11	4	0
65.0	64	25	15	6	0
55.0	154	50	18	7	0
47.5	245	76	21	8	0
42.5	319	96	24	8	0
37.5	405	116	27	8	0
33.0	487	134	29	8	0
29.0	553	149	32	9	0
25.5	620	161	34	9	0
22.5	669	169	35	9	0
19.5	715	177	36	9	0
17.0	758	182	37	9	0
15.0	788	185	37	9	0
13.0	813	186	38	9	0
11.0	834	186	38	9	0
9.0	850	188	38	9	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	861	188	38	9	0
5.0	871	188	38	9	0
3.0	882	188	38	9	0
1.0	876	185	37	9	0
0.0	872	184	37	9	0
-1.0	872	184	37	9	0
-3.0	873	183	36	9	0
-5.0	856	179	36	9	0
-7.0	840	176	35	9	0
-9.0	824	172	34	9	0
-11.0	803	167	33	9	0
-13.0	776	163	32	8	0
-15.0	744	158	31	8	0
-17.0	707	153	30	8	0
-19.5	653	144	29	8	0
-22.5	595	133	28	8	0
-25.5	533	121	26	7	0
-29.0	450	108	24	7	0
-33.0	375	91	21	7	0
-37.5	294	72	19	6	0
-42.5	215	55	17	6	0
-47.5	148	39	14	5	0
-55.0	71	22	11	5	0
-65.0	17	12	7	3	0
-75.0	7	5	4	2	0
-85.0	3	2	1	1	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12662.14

Total Field Lumens (one side of beam only) = 11763.79

* 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	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
75	0.26	0.51	0.51	0.51	0.51	0.50	0.49	0.49	0.48	0.46
65	0.81	1.63	1.63	1.63	1.62	1.60	1.58	1.56	1.52	1.47
55	2.38	4.79	4.77	4.77	4.70	4.64	4.57	4.46	4.30	4.09
47.5	4.55	9.09	9.00	9.00	8.86	8.66	8.41	8.08	7.68	7.22
42.5	5.67 *	11.30 *	11.17 *	11.17 *	10.94 *	10.66 *	10.28 *	9.80 *	9.25 *	8.66 *
37.5	8.79 *	17.58 *	17.36 *	17.36 *	16.96 *	16.50 *	15.89 *	15.12 *	14.24 *	13.31 *
33	11.68 *	23.33 *	23.00 *	23.00 *	22.43 *	21.72 *	20.78 *	19.63 *	18.39 *	17.12 *
29	14.57 *	29.06 *	28.63 *	28.63 *	27.88 *	26.90 *	25.67 *	24.19 *	22.51 *	20.72 *
25.5	16.19 *	32.27 *	31.84 *	31.84 *	31.12 *	30.13 *	28.87 *	27.36 *	25.57 *	23.56 *
22.5	15.91 *	31.73 *	31.39 *	31.39 *	30.83 *	30.02 *	28.98 *	27.71 *	26.20 *	24.39 *
19.5	17.24 *	34.40 *	34.11 *	34.11 *	33.62 *	32.93 *	32.03 *	30.90 *	29.46 *	27.63 *
17	15.16 *	30.25 *	30.06 *	30.06 *	29.72 *	29.23 *	28.57 *	27.70 *	26.57 *	25.09 *
15	12.58 *	25.10 *	24.96 *	24.96 *	24.72 *	24.37 *	23.86 *	23.20 *	22.35 *	21.23 *
13	12.94 *	25.82 *	25.71 *	25.71 *	25.48 *	25.13 *	24.63 *	24.00 *	23.21 *	22.14 *
11	13.26 *	26.48 *	26.38 *	26.38 *	26.16 *	25.81 *	25.33 *	24.73 *	23.99 *	22.97 *
9	13.55 *	27.07 *	26.97 *	26.97 *	26.75 *	26.40 *	25.94 *	25.37 *	24.66 *	23.67 *
7	13.82 *	27.59 *	27.46 *	27.46 *	27.23 *	26.88 *	26.45 *	25.91 *	25.22 *	24.23 *
5	14.03 *	28.00 *	27.84 *	27.84 *	27.59 *	27.27 *	26.86 *	26.34 *	25.65 *	24.70 *
3	14.18 *	28.28 *	28.09 *	28.09 *	27.86 *	27.56 *	27.17 *	26.66 *	26.00 *	25.08 *
1	14.25 *	28.39 *	28.22 *	28.22 *	28.03 *	27.77 *	27.39 *	26.91 *	26.30 *	25.39 *
0	7.12 *	14.20 *	14.13 *	14.13 *	14.05 *	13.93 *	13.76 *	13.53 *	13.23 *	12.77 *
-1	7.12 *	14.21 *	14.16 *	14.16 *	14.08 *	13.96 *	13.78 *	13.54 *	13.24 *	12.79 *
	14.28 *	28.50 *	28.39 *	28.39 *	28.25 *	28.00 *	27.61 *	27.12 *	26.50 *	25.58 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	14.30 *	28.54 *	28.43 *	28.26 *	28.01 *	27.64 *	27.14 *	26.46 *	25.51 *	30.02 *
-5	14.27 *	28.49 *	28.37 *	28.17 *	27.89 *	27.54 *	27.04 *	26.34 *	25.36 *	29.78 *
-7	14.18 *	28.31 *	28.21 *	27.99 *	27.68 *	27.28 *	26.78 *	26.10 *	25.09 *	29.38 *
-9	14.03 *	28.01 *	27.91 *	27.71 *	27.39 *	26.95 *	26.39 *	25.67 *	24.64 *	28.81 *
-11	13.84 *	27.61 *	27.50 *	27.31 *	27.00 *	26.53 *	25.92 *	25.14 *	24.06 *	28.08 *
-13	13.60 *	27.13 *	27.01 *	26.79 *	26.47 *	26.01 *	25.36 *	24.53 *	23.41 *	27.24 *
-15	13.30 *	26.54 *	26.41 *	26.18 *	25.83 *	25.36 *	24.70 *	23.82 *	22.65 *	26.27 *
-17	16.15 *	32.20 *	32.04 *	31.74 *	31.25 *	30.62 *	29.74 *	28.56 *	27.01 *	31.18 *
-19.5	18.38 *	36.69 *	36.46 *	35.97 *	35.24 *	34.34 *	33.20 *	31.67 *	29.75 *	34.09 *
-22.5	16.62 *	33.19 *	32.97 *	32.49 *	31.71 *	30.68 *	29.43 *	27.92 *	26.03 *	29.55 *
-25.5	16.95 *	33.83 *	33.59 *	33.14 *	32.28 *	30.89 *	29.25 *	27.44 *	25.29 *	28.31 *
-29	15.50 *	30.92 *	30.62 *	30.07 *	29.11 *	27.60 *	25.77 *	23.88 *	21.89 *	24.26 *
-33	11.78 *	23.47 *	23.27 *	22.88 *	22.20 *	21.12 *	19.69 *	18.19 *	16.74 *	18.78 *
-37.5	8.18 *	16.35 *	16.24 *	16.03 *	15.66 *	15.04 *	14.16 *	13.15 *	12.14 *	13.80 *
-42.5	5.35 *	10.68 *	10.54 *	10.29 *	10.00 *	9.63 *	9.15 *	8.57 *	7.95 *	9.06 *
-47.5	4.39	8.77	8.67	8.48	8.27	8.00	7.64	7.20	6.70	7.62
-55	2.01	4.04	4.03	3.97	3.90	3.80	3.67	3.48	3.26	3.73
-65	0.45	0.90	0.89	0.87	0.85	0.82	0.79	0.76	0.71	0.82
-75	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	463.64	925.32	919.03	907.82	891.40	868.83	840.25	805.48	762.54	880.16

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.02
85	0.61	0.55	0.56	0.53	0.48	0.43	0.31	0.32	0.25	0.11
75	1.94	1.77	1.81	1.74	1.58	1.32	0.93	0.84	0.49	0.18
65	5.25	4.74	4.86	4.66	4.18	3.47	2.43	2.15	1.11	0.28
55	9.01	7.89	7.85	7.35	6.40	5.14	3.50	3.02	1.50	0.32

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	10.61 *	9.12	8.90	8.11	6.86	5.32	3.50	2.93	1.40	0.28
42.5	16.17 *	13.87 *	13.44 *	12.04	9.97	7.52	4.77	3.85	1.78	0.34
37.5	20.51 *	17.47 *	16.79 *	14.96 *	12.29 *	9.12	5.62	4.39	1.95	0.36
33	24.29 *	20.40 *	19.31 *	17.02 *	13.87 *	10.22	6.19	4.69	2.01	0.36
29	27.15 *	22.49 *	20.93 *	18.11 *	14.58 *	10.67 *	6.39	4.75	1.97	0.34
25.5	28.26 *	23.27 *	21.40 *	18.20 *	14.43 *	10.46 *	6.24	4.57	1.85	0.31
22.5	32.83 *	27.17 *	24.90 *	20.91 *	16.28 *	11.71 *	6.95	5.02	1.97	0.33
19.5	30.46 *	25.55 *	23.52 *	19.60 *	15.05 *	10.68 *	6.29	4.51	1.74	0.28
17	26.15 *	22.20 *	20.56 *	17.13 *	13.05 *	9.12 *	5.34 *	3.82	1.45	0.23
15	27.56 *	23.60 *	22.02 *	18.38 *	13.90 *	9.64 *	5.63 *	4.00	1.50	0.23
13	28.85 *	24.89 *	23.43 *	19.60 *	14.72 *	10.15 *	5.90 *	4.16	1.54	0.23
11	29.95 *	26.01 *	24.68 *	20.71 *	15.46 *	10.58 *	6.12 *	4.29	1.57	0.23
9	30.87 *	26.92 *	25.71 *	21.65 *	16.09 *	10.91 *	6.28 *	4.39	1.59	0.24
7	31.64 *	27.68 *	26.51 *	22.37 *	16.57 *	11.16 *	6.40 *	4.46	1.60	0.24
5	32.25 *	28.28 *	27.12 *	22.89 *	16.91 *	11.34 *	6.51 *	4.54	1.62	0.24
3	32.69 *	28.68 *	27.50 *	23.23 *	17.15 *	11.46 *	6.57 *	4.58	1.62	0.23
1	16.46 *	14.42 *	13.82 *	11.69 *	8.64 *	5.75 *	3.29 *	2.29	0.81	0.12
0	16.49 *	14.46 *	13.85 *	11.73 *	8.67 *	5.76 *	3.29 *	2.29	0.80	0.11
-1	32.98 *	28.94 *	27.79 *	23.55 *	17.40 *	11.56 *	6.58 *	4.57	1.61	0.23
-3	32.80 *	28.76 *	27.65 *	23.45 *	17.34 *	11.51 *	6.52 *	4.52	1.59	0.23
-5	32.43 *	28.36 *	27.24 *	23.08 *	17.07 *	11.36 *	6.42 *	4.43	1.56	0.22
-7	31.90 *	27.79 *	26.61 *	22.48 *	16.64 *	11.12 *	6.30 *	4.34	1.53	0.22
-9	31.20 *	27.07 *	25.77 *	21.67 *	16.05 *	10.80 *	6.15 *	4.23	1.50	0.21
-11	30.32 *	26.17 *	24.71 *	20.68 *	15.34 *	10.41 *	5.95 *	4.10	1.45	0.21
-13	29.29 *	25.11 *	23.50 *	19.56 *	14.55 *	9.93 *	5.71 *	3.93	1.40	0.20
-15	28.11 *	23.91 *	22.17 *	18.37 *	13.72 *	9.39 *	5.43 *	3.74	1.34	0.19
-17	33.08 *	27.85 *	25.59 *	21.05 *	15.82 *	10.92 *	6.33 *	4.38	1.58	0.23
-19.5	35.77 *	29.75 *	27.05 *	22.23 *	16.87 *	11.76 *	6.88	4.79	1.74	0.26

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	30.71 *	25.20 *	22.79 *	18.95 *	14.57 *	10.29 *	6.05	4.23	1.58	0.24
-25.5	29.00 *	23.66 *	21.58 *	18.23 *	14.23 *	10.20 *	6.01	4.22	1.61	0.25
-29	24.73 *	20.43 *	18.99 *	16.29 *	12.89 *	9.33	5.53	3.97	1.56	0.25
-33	19.40 *	16.28 *	15.43 *	13.46 *	10.80	7.87	4.72	3.51	1.42	0.24
-37.5	14.44 *	12.22 *	11.71 *	10.35	8.41	6.20	3.80	2.91	1.21	0.21
-42.5	9.56	8.15	7.81	6.93	5.69	4.27	2.67	2.07	0.87	0.16
-47.5	8.05	6.91	6.69	5.98	4.98	3.81	2.42	1.88	0.80	0.17
-55	3.98	3.46	3.39	3.10	2.63	2.02	1.28	0.99	0.46	0.14
-65	0.88	0.77	0.77	0.71	0.61	0.46	0.29	0.24	0.16	0.07
-75	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.08	0.06	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Total	938.77	802.32	756.83	642.85	492.90	345.27	203.62	147.03	57.21	9.58

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.00	0.00	0.84
85			
	0.03	0.00	8.94
75			
	0.05	0.00	27.81
65			
	0.06	0.00	76.68
55			
	0.05	0.00	131.90
47.5			
	0.04	0.00	154.75
42.5			
	0.04	0.00	234.83
37.5			
	0.04	0.00	301.06
33			
	0.04	0.00	361.86
29			
	0.04	0.00	400.72
25.5			
	0.03	0.00	403.63
22.5			
	0.04	0.00	451.88
19.5			
	0.03	0.00	408.87
17			
	0.02	0.00	345.97

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

LUMENS TABULATION - (Cont.)

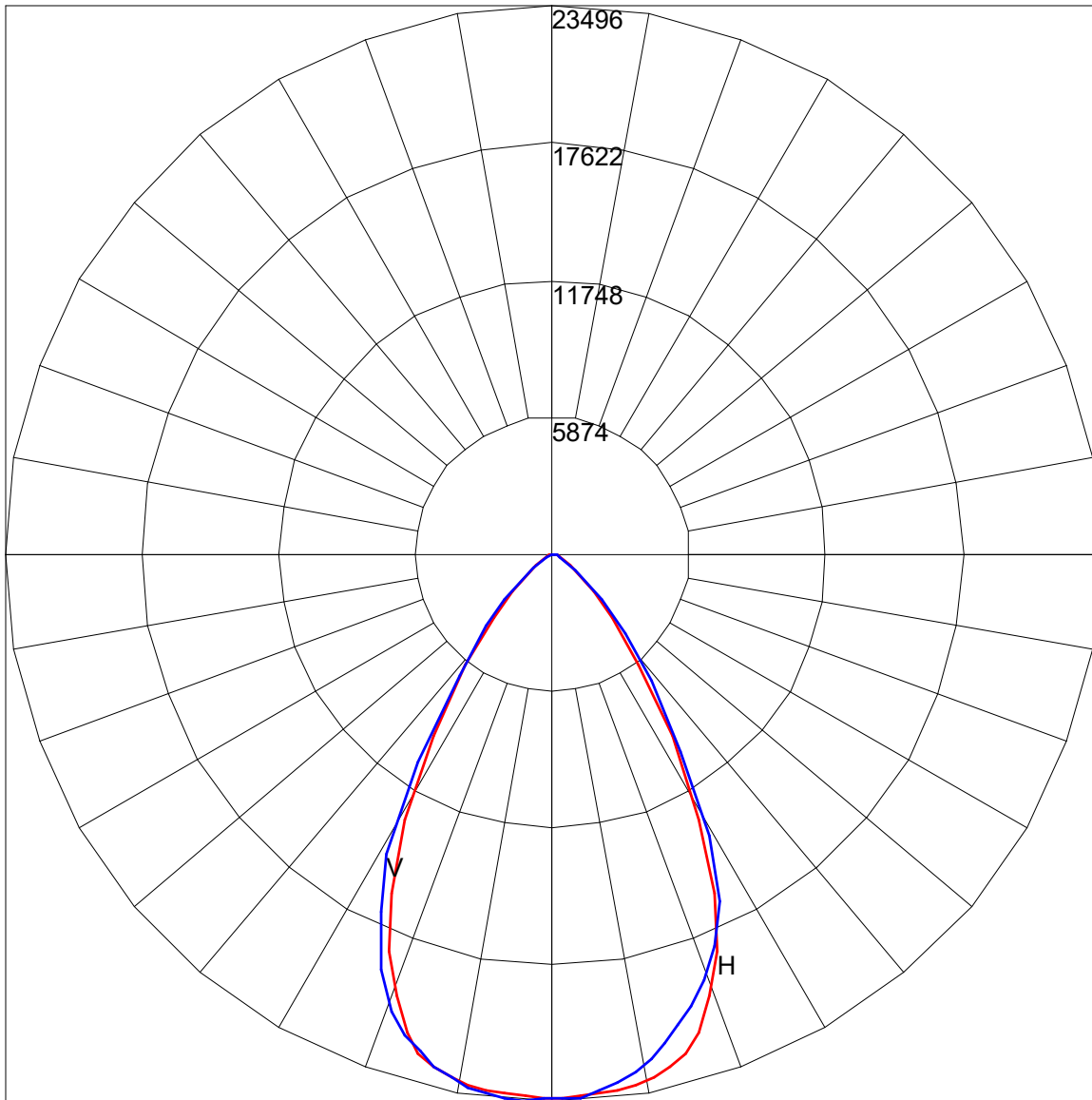
15			
	0.02	0.00	361.24
13			
	0.02	0.00	375.33
11			
	0.02	0.00	387.64
9			
	0.02	0.00	397.83
7			
	0.02	0.00	405.98
5			
	0.02	0.00	412.15
3			
	0.02	0.00	416.28
1			
	0.01	0.00	209.03
0			
	0.01	0.00	209.42
-1			
	0.02	0.00	419.60
-3			
	0.02	0.00	418.73
-5			
	0.02	0.00	415.44
-7			
	0.02	0.00	409.95
-9			
	0.02	0.00	402.19
-11			
	0.02	0.00	392.34
-13			
	0.02	0.00	380.73
-15			
	0.02	0.00	367.46
-17			
	0.02	0.00	437.33
-19.5			
	0.03	0.00	482.90
-22.5			
	0.03	0.00	425.22
-25.5			
	0.03	0.00	419.99
-29			
	0.03	0.00	373.63
-33			
	0.03	0.00	291.28
-37.5			
	0.03	0.00	212.27
-42.5			
	0.03	0.00	139.42
-47.5			
	0.03	0.00	117.47
-55			
	0.03	0.00	57.36
-65			
	0.02	0.00	12.84

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

LUMENS TABULATION - (Cont.)

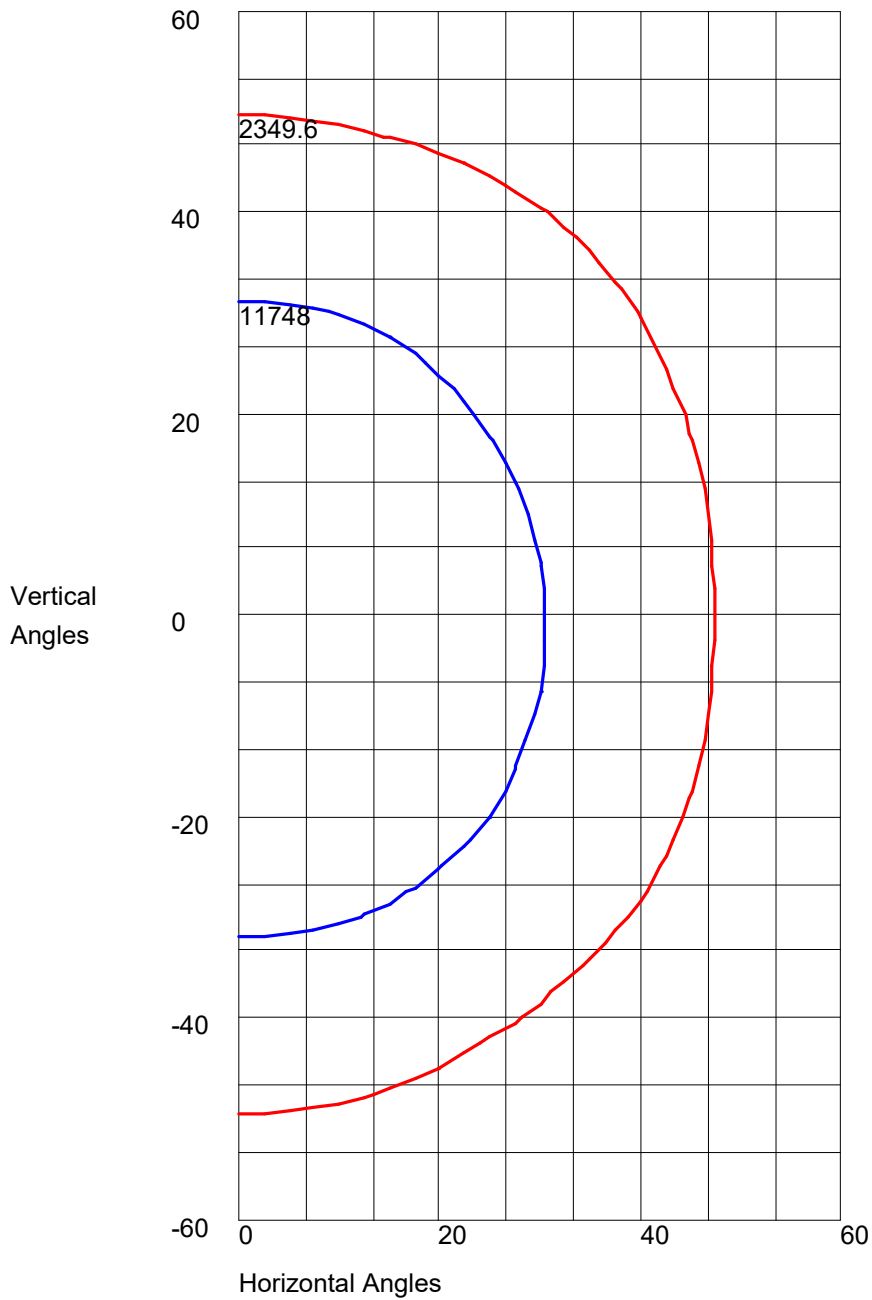
-75	0.01	0.00	1.16
-85	0.00	0.00	0.19
-90			
Total	1.24	0.04	12662.14

AXIAL CANDELA DISPLAY



Maximum Candela = 23496 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 23496 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 11748
10% Maximum Candela = 2349.6