



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12461  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/05/21  
[TEST DATE] 01/25/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] PFL-LED-30L-PC-WF-40-80  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor  
[SEARCH\_COLORTEMP] 4000

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

**CHARACTERISTICS**

NEMA Type	6 H x 6 V
Maximum Candela	26155
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	20304
Beam Efficiency	N.A.
Field Lumens	28877
Field Efficiency	N.A.
Spill Lumens	2466
Luminaire Lumens	31343
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	90	85	93
75	202	75	237
65	481	65	637
55	1590	55	1747
47.5	3737	47.5	3822
42.5	5613	42.5	5751
37.5	8346	37.5	8681
33	12268	33	12917
29	16364	29	17046
25.5	19470	25.5	19723
22.5	21606	22.5	21287
19.5	23126	19.5	22477
17	24068	17	23337
15	24676	15	23988
13	25082	13	24570
11	25401	11	25057
9	25628	9	25463
7	25772	7	25791
5	25854	5	26029
3	25900	3	26155
1	25987	1	26097
0	26037	0	26037
-1	25987	-1	26097
-3	25900	-3	26155
-5	25854	-5	26029
-7	25772	-7	25791
-9	25628	-9	25463
-11	25401	-11	25057
-13	25082	-13	24570
-15	24676	-15	23988
-17	24068	-17	23337
-19.5	23126	-19.5	22477
-22.5	21606	-22.5	21287
-25.5	19470	-25.5	19723
-29	16364	-29	17046
-33	12268	-33	12917
-37.5	8346	-37.5	8681
-42.5	5613	-42.5	5751
-47.5	3737	-47.5	3822
-55	1590	-55	1747
-65	481	-65	637
-75	202	-75	237
-85	90	-85	93
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 26155

Beam Edge = 13077.5 Cd (50% of Max.)

Field Edge = 2615.5 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	25	42	55	59	62	67	72	76
75.0	0	22	62	91	128	149	161	176	192	221
65.0	0	36	91	163	263	339	394	447	493	530
55.0	0	49	120	238	426	606	731	877	1020	1144
47.5	0	58	139	292	572	887	1135	1442	1759	2079
42.5	0	63	152	326	690	1119	1499	1985	2503	3010 *
37.5	0	68	163	358	813	1418	1971	2700 *	3470 *	4223 *
33.0	0	72	171	386	934	1733	2485	3474 *	4479 *	5471 *
29.0	0	76	179	410	1037	2051	2996 *	4211 *	5468 *	6857 *
25.5	0	79	185	430	1150	2333	3461 *	4875 *	6446 *	8177 *
22.5	0	81	188	443	1236	2605	3851 *	5438 *	7330 *	9447 *
19.5	0	83	192	456	1318	2850 *	4235 *	6029 *	8218 *	10834 *
17.0	0	84	194	464	1395	3041 *	4514 *	6492 *	9015 *	12101 *
15.0	0	85	196	468	1448	3191 *	4732 *	6823 *	9623 *	13002 *
13.0	0	86	198	471	1493	3323 *	4937 *	7191 *	10168 *	13818 *
11.0	0	89	200	472	1531	3437 *	5119 *	7514 *	10733 *	14550 *
9.0	0	89	201	476	1560	3534 *	5272 *	7787 *	11238 *	15189 *
7.0	0	89	202	479	1580	3612 *	5398 *	8006 *	11638 *	15680 *
5.0	0	89	203	482	1595	3672 *	5494 *	8170 *	11938 *	16032 *
3.0	0	90	203	484	1610	3733 *	5597 *	8281 *	12137 *	16272 *
1.0	0	90	202	482	1597	3736 *	5608 *	8345 *	12251 *	16365 *
0.0	0	90	202	481	1590	3737 *	5613 *	8346 *	12268 *	16364 *
-1.0	0	90	202	482	1597	3736 *	5608 *	8345 *	12251 *	16365 *
-3.0	0	90	203	484	1610	3733 *	5597 *	8281 *	12137 *	16272 *
-5.0	0	89	203	482	1595	3672 *	5494 *	8170 *	11938 *	16032 *
-7.0	0	89	202	479	1580	3612 *	5398 *	8006 *	11638 *	15680 *
-9.0	0	89	201	476	1560	3534 *	5272 *	7787 *	11238 *	15189 *
-11.0	0	89	200	472	1531	3437 *	5119 *	7514 *	10733 *	14550 *
-13.0	0	86	198	471	1493	3323 *	4937 *	7191 *	10168 *	13818 *
-15.0	0	85	196	468	1448	3191 *	4732 *	6823 *	9623 *	13002 *
-17.0	0	84	194	464	1395	3041 *	4514 *	6492 *	9015 *	12101 *
-19.5	0	83	192	456	1318	2850 *	4235 *	6029 *	8218 *	10834 *
-22.5	0	81	188	443	1236	2605	3851 *	5438 *	7330 *	9447 *
-25.5	0	79	185	430	1150	2333	3461 *	4875 *	6446 *	8177 *
-29.0	0	76	179	410	1037	2051	2996 *	4211 *	5468 *	6857 *
-33.0	0	72	171	386	934	1733	2485	3474 *	4479 *	5471 *
-37.5	0	68	163	358	813	1418	1971	2700 *	3470 *	4223 *
-42.5	0	63	152	326	690	1119	1499	1985	2503	3010 *
-47.5	0	58	139	292	572	887	1135	1442	1759	2079
-55.0	0	49	120	238	426	606	731	877	1020	1144
-65.0	0	36	91	163	263	339	394	447	493	530
-75.0	0	22	62	91	128	149	161	176	192	221
-85.0	0	7	25	42	55	59	62	67	72	76
-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	79	81	83	85	86	87	89	90	90	91
75.0	244	255	258	260	261	258	255	251	246	242
65.0	560	582	600	614	624	631	634	635	635	633
55.0	1260	1346	1432	1513	1569	1618	1661	1696	1723	1741
47.5	2357	2626 *	2875 *	3075 *	3232 *	3372 *	3494 *	3596 *	3678 *	3742 *
42.5	3494 *	3904 *	4325 *	4640 *	4869 *	5080 *	5265 *	5422 *	5546 *	5637 *
37.5	4923 *	5525 *	6159 *	6663 *	7022 *	7409 *	7751 *	8046 *	8295 *	8491 *
33.0	6479 *	7409 *	8371 *	9218 *	9845 *	10404 *	11026 *	11614 *	12094 *	12456 *
29.0	8191 *	9598 *	11081 *	12379 *	13341 *	14208 *	14991 *	15681 *	16218 *	16594 *
25.5	10025 *	11959 *	13847 *	15299 *	16280 *	17127 *	17878 *	18464 *	18946 *	19300 *
22.5	11868 *	14033 *	15978 *	17381 *	18327 *	19094 *	19757 *	20245 *	20668 *	20980 *
19.5	13669 *	15892 *	17762 *	19076 *	19954 *	20647 *	21217 *	21628 *	22002 *	22280 *
17.0	15047 *	17200 *	19054 *	20266 *	21112 *	21741 *	22294 *	22648 *	22929 *	23169 *
15.0	15991 *	18151 *	19954 *	21159 *	21870 *	22523 *	22998 *	23370 *	23595 *	23817 *
13.0	16830 *	18994 *	20734 *	21852 *	22602 *	23152 *	23625 *	23992 *	24232 *	24392 *
11.0	17602 *	19743 *	21450 *	22530 *	23176 *	23733 *	24154 *	24493 *	24748 *	24884 *
9.0	18221 *	20345 *	22009 *	23053 *	23719 *	24224 *	24614 *	24890 *	25137 *	25302 *
7.0	18729 *	20860 *	22496 *	23491 *	24122 *	24636 *	24981 *	25239 *	25422 *	25613 *
5.0	19105 *	21238 *	22885 *	23845 *	24435 *	24892 *	25242 *	25502 *	25678 *	25767 *
3.0	19371 *	21488 *	23085 *	24039 *	24635 *	25061 *	25391 *	25639 *	25825 *	25931 *
1.0	19474 *	21616 *	23153 *	24105 *	24719 *	25129 *	25442 *	25668 *	25830 *	25931 *
0.0	19470 *	21606 *	23126 *	24068 *	24676 *	25082 *	25401 *	25628 *	25772 *	25854 *
-1.0	19474 *	21616 *	23153 *	24105 *	24719 *	25129 *	25442 *	25668 *	25830 *	25931 *
-3.0	19371 *	21488 *	23085 *	24039 *	24635 *	25061 *	25391 *	25639 *	25825 *	25931 *
-5.0	19105 *	21238 *	22885 *	23845 *	24435 *	24892 *	25242 *	25502 *	25678 *	25767 *
-7.0	18729 *	20860 *	22496 *	23491 *	24122 *	24636 *	24981 *	25239 *	25422 *	25613 *
-9.0	18221 *	20345 *	22009 *	23053 *	23719 *	24224 *	24614 *	24890 *	25137 *	25302 *
-11.0	17602 *	19743 *	21450 *	22530 *	23176 *	23733 *	24154 *	24493 *	24748 *	24884 *
-13.0	16830 *	18994 *	20734 *	21852 *	22602 *	23152 *	23625 *	23992 *	24232 *	24392 *
-15.0	15991 *	18151 *	19954 *	21159 *	21870 *	22523 *	22998 *	23370 *	23595 *	23817 *
-17.0	15047 *	17200 *	19054 *	20266 *	21112 *	21741 *	22294 *	22648 *	22929 *	23169 *
-19.5	13669 *	15892 *	17762 *	19076 *	19954 *	20647 *	21217 *	21628 *	22002 *	22280 *
-22.5	11868 *	14033 *	15978 *	17381 *	18327 *	19094 *	19757 *	20245 *	20668 *	20980 *
-25.5	10025 *	11959 *	13847 *	15299 *	16280 *	17127 *	17878 *	18464 *	18946 *	19300 *
-29.0	8191 *	9598 *	11081 *	12379 *	13341 *	14208 *	14991 *	15681 *	16218 *	16594 *
-33.0	6479 *	7409 *	8371 *	9218 *	9845 *	10404 *	11026 *	11614 *	12094 *	12456 *
-37.5	4923 *	5525 *	6159 *	6663 *	7022 *	7409 *	7751 *	8046 *	8295 *	8491 *
-42.5	3494 *	3904 *	4325 *	4640 *	4869 *	5080 *	5265 *	5422 *	5546 *	5637 *
-47.5	2357	2626 *	2875 *	3075 *	3232 *	3372 *	3494 *	3596 *	3678 *	3742 *
-55.0	1260	1346	1432	1513	1569	1618	1661	1696	1723	1741
-65.0	560	582	600	614	624	631	634	635	635	633
-75.0	244	255	258	260	261	258	255	251	246	242
-85.0	79	81	83	85	86	87	89	90	90	91
-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	92	93	93	93	92	91	90	90	89	87
75.0	239	238	237	238	239	242	246	251	255	258
65.0	638	637	637	637	638	633	635	635	634	631

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**CANDELA TABULATION - (Cont.)**

55.0	1759	1751	1747	1751	1759	1741	1723	1696	1661	1618
47.5	3810 *	3818 *	3822 *	3818 *	3810 *	3742 *	3678 *	3596 *	3494 *	3372 *
42.5	5734 *	5745 *	5751 *	5745 *	5734 *	5637 *	5546 *	5422 *	5265 *	5080 *
37.5	8630 *	8687 *	8681 *	8687 *	8630 *	8491 *	8295 *	8046 *	7751 *	7409 *
33.0	12703 *	12873 *	12917 *	12873 *	12703 *	12456 *	12094 *	11614 *	11026 *	10404 *
29.0	16866 *	17015 *	17046 *	17015 *	16866 *	16594 *	16218 *	15681 *	14991 *	14208 *
25.5	19542 *	19686 *	19723 *	19686 *	19542 *	19300 *	18946 *	18464 *	17878 *	17127 *
22.5	21178 *	21288 *	21287 *	21288 *	21178 *	20980 *	20668 *	20245 *	19757 *	19094 *
19.5	22413 *	22469 *	22477 *	22469 *	22413 *	22280 *	22002 *	21628 *	21217 *	20647 *
17.0	23282 *	23317 *	23337 *	23317 *	23282 *	23169 *	22929 *	22648 *	22294 *	21741 *
15.0	23938 *	23974 *	23988 *	23974 *	23938 *	23817 *	23595 *	23370 *	22998 *	22523 *
13.0	24512 *	24518 *	24570 *	24518 *	24512 *	24392 *	24232 *	23992 *	23625 *	23152 *
11.0	25011 *	24995 *	25057 *	24995 *	25011 *	24884 *	24748 *	24493 *	24154 *	23733 *
9.0	25411 *	25411 *	25463 *	25411 *	25411 *	25302 *	25137 *	24890 *	24614 *	24224 *
7.0	25712 *	25751 *	25791 *	25751 *	25712 *	25613 *	25422 *	25239 *	24981 *	24636 *
5.0	25924 *	26010 *	26029 *	26010 *	25924 *	25767 *	25678 *	25502 *	25242 *	24892 *
3.0	25990 *	26121 *	26155 *	26121 *	25990 *	25931 *	25825 *	25639 *	25391 *	25061 *
1.0	26013 *	26057 *	26097 *	26057 *	26013 *	25931 *	25830 *	25668 *	25442 *	25129 *
0.0	25900 *	25987 *	26037 *	25987 *	25900 *	25854 *	25772 *	25628 *	25401 *	25082 *
-1.0	26013 *	26057 *	26097 *	26057 *	26013 *	25931 *	25830 *	25668 *	25442 *	25129 *
-3.0	25990 *	26121 *	26155 *	26121 *	25990 *	25931 *	25825 *	25639 *	25391 *	25061 *
-5.0	25924 *	26010 *	26029 *	26010 *	25924 *	25767 *	25678 *	25502 *	25242 *	24892 *
-7.0	25712 *	25751 *	25791 *	25751 *	25712 *	25613 *	25422 *	25239 *	24981 *	24636 *
-9.0	25411 *	25411 *	25463 *	25411 *	25411 *	25302 *	25137 *	24890 *	24614 *	24224 *
-11.0	25011 *	24995 *	25057 *	24995 *	25011 *	24884 *	24748 *	24493 *	24154 *	23733 *
-13.0	24512 *	24518 *	24570 *	24518 *	24512 *	24392 *	24232 *	23992 *	23625 *	23152 *
-15.0	23938 *	23974 *	23988 *	23974 *	23938 *	23817 *	23595 *	23370 *	22998 *	22523 *
-17.0	23282 *	23317 *	23337 *	23317 *	23282 *	23169 *	22929 *	22648 *	22294 *	21741 *
-19.5	22413 *	22469 *	22477 *	22469 *	22413 *	22280 *	22002 *	21628 *	21217 *	20647 *
-22.5	21178 *	21288 *	21287 *	21288 *	21178 *	20980 *	20668 *	20245 *	19757 *	19094 *
-25.5	19542 *	19686 *	19723 *	19686 *	19542 *	19300 *	18946 *	18464 *	17878 *	17127 *
-29.0	16866 *	17015 *	17046 *	17015 *	16866 *	16594 *	16218 *	15681 *	14991 *	14208 *
-33.0	12703 *	12873 *	12917 *	12873 *	12703 *	12456 *	12094 *	11614 *	11026 *	10404 *
-37.5	8630 *	8687 *	8681 *	8687 *	8630 *	8491 *	8295 *	8046 *	7751 *	7409 *
-42.5	5734 *	5745 *	5751 *	5745 *	5734 *	5637 *	5546 *	5422 *	5265 *	5080 *
-47.5	3810 *	3818 *	3822 *	3818 *	3810 *	3742 *	3678 *	3596 *	3494 *	3372 *
-55.0	1759	1751	1747	1751	1759	1741	1723	1696	1661	1618
-65.0	638	637	637	637	638	633	635	635	634	631
-75.0	239	238	237	238	239	242	246	251	255	258
-85.0	92	93	93	93	92	91	90	90	89	87
-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	86	85	83	81	79	76	72	67	62	59
75.0	261	260	258	255	244	221	192	176	161	149
65.0	624	614	600	582	560	530	493	447	394	339
55.0	1569	1513	1432	1346	1260	1144	1020	877	731	606
47.5	3232 *	3075 *	2875 *	2626 *	2357	2079	1759	1442	1135	887
42.5	4869 *	4640 *	4325 *	3904 *	3494 *	3010 *	2503	1985	1499	1119
37.5	7022 *	6663 *	6159 *	5525 *	4923 *	4223 *	3470 *	2700 *	1971	1418
33.0	9845 *	9218 *	8371 *	7409 *	6479 *	5471 *	4479 *	3474 *	2485	1733
29.0	13341 *	12379 *	11081 *	9598 *	8191 *	6857 *	5468 *	4211 *	2996 *	2051
25.5	16280 *	15299 *	13847 *	11959 *	10025 *	8177 *	6446 *	4875 *	3461 *	2333

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

22.5	18327 *	17381 *	15978 *	14033 *	11868 *	9447 *	7330 *	5438 *	3851 *	2605
19.5	19954 *	19076 *	17762 *	15892 *	13669 *	10834 *	8218 *	6029 *	4235 *	2850 *
17.0	21112 *	20266 *	19054 *	17200 *	15047 *	12101 *	9015 *	6492 *	4514 *	3041 *
15.0	21870 *	21159 *	19954 *	18151 *	15991 *	13002 *	9623 *	6823 *	4732 *	3191 *
13.0	22602 *	21852 *	20734 *	18994 *	16830 *	13818 *	10168 *	7191 *	4937 *	3323 *
11.0	23176 *	22530 *	21450 *	19743 *	17602 *	14550 *	10733 *	7514 *	5119 *	3437 *
9.0	23719 *	23053 *	22009 *	20345 *	18221 *	15189 *	11238 *	7787 *	5272 *	3534 *
7.0	24122 *	23491 *	22496 *	20860 *	18729 *	15680 *	11638 *	8006 *	5398 *	3612 *
5.0	24435 *	23845 *	22885 *	21238 *	19105 *	16032 *	11938 *	8170 *	5494 *	3672 *
3.0	24635 *	24039 *	23085 *	21488 *	19371 *	16272 *	12137 *	8281 *	5597 *	3733 *
1.0	24719 *	24105 *	23153 *	21616 *	19474 *	16365 *	12251 *	8345 *	5608 *	3736 *
0.0	24676 *	24068 *	23126 *	21606 *	19470 *	16364 *	12268 *	8346 *	5613 *	3737 *
-1.0	24719 *	24105 *	23153 *	21616 *	19474 *	16365 *	12251 *	8345 *	5608 *	3736 *
-3.0	24635 *	24039 *	23085 *	21488 *	19371 *	16272 *	12137 *	8281 *	5597 *	3733 *
-5.0	24435 *	23845 *	22885 *	21238 *	19105 *	16032 *	11938 *	8170 *	5494 *	3672 *
-7.0	24122 *	23491 *	22496 *	20860 *	18729 *	15680 *	11638 *	8006 *	5398 *	3612 *
-9.0	23719 *	23053 *	22009 *	20345 *	18221 *	15189 *	11238 *	7787 *	5272 *	3534 *
-11.0	23176 *	22530 *	21450 *	19743 *	17602 *	14550 *	10733 *	7514 *	5119 *	3437 *
-13.0	22602 *	21852 *	20734 *	18994 *	16830 *	13818 *	10168 *	7191 *	4937 *	3323 *
-15.0	21870 *	21159 *	19954 *	18151 *	15991 *	13002 *	9623 *	6823 *	4732 *	3191 *
-17.0	21112 *	20266 *	19054 *	17200 *	15047 *	12101 *	9015 *	6492 *	4514 *	3041 *
-19.5	19954 *	19076 *	17762 *	15892 *	13669 *	10834 *	8218 *	6029 *	4235 *	2850 *
-22.5	18327 *	17381 *	15978 *	14033 *	11868 *	9447 *	7330 *	5438 *	3851 *	2605
-25.5	16280 *	15299 *	13847 *	11959 *	10025 *	8177 *	6446 *	4875 *	3461 *	2333
-29.0	13341 *	12379 *	11081 *	9598 *	8191 *	6857 *	5468 *	4211 *	2996 *	2051
-33.0	9845 *	9218 *	8371 *	7409 *	6479 *	5471 *	4479 *	3474 *	2485 *	1733
-37.5	7022 *	6663 *	6159 *	5525 *	4923 *	4223 *	3470 *	2700 *	1971 *	1418
-42.5	4869 *	4640 *	4325 *	3904 *	3494 *	3010 *	2503 *	1985 *	1499 *	1119
-47.5	3232 *	3075 *	2875 *	2626 *	2357 *	2079 *	1759 *	1442 *	1135 *	887
-55.0	1569 *	1513 *	1432 *	1346 *	1260 *	1144 *	1020 *	877 *	731 *	606
-65.0	624 *	614 *	600 *	582 *	560 *	530 *	493 *	447 *	394 *	339
-75.0	261 *	260 *	258 *	255 *	244 *	221 *	192 *	176 *	161 *	149
-85.0	86 *	85 *	83 *	81 *	79 *	76 *	72 *	67 *	62 *	59
-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	55	42	25	7	0
75.0	128	91	62	22	0
65.0	263	163	91	36	0
55.0	426	238	120	49	0
47.5	572	292	139	58	0
42.5	690	326	152	63	0
37.5	813	358	163	68	0
33.0	934	386	171	72	0
29.0	1037	410	179	76	0
25.5	1150	430	185	79	0
22.5	1236	443	188	81	0
19.5	1318	456	192	83	0
17.0	1395	464	194	84	0
15.0	1448	468	196	85	0
13.0	1493	471	198	86	0
11.0	1531	472	200	89	0
9.0	1560	476	201	89	0

IES FLOOD REPORT  
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CANDELA TABULATION - (Cont.)

7.0	1580	479	202	89	0
5.0	1595	482	203	89	0
3.0	1610	484	203	90	0
1.0	1597	482	202	90	0
0.0	1590	481	202	90	0
-1.0	1597	482	202	90	0
-3.0	1610	484	203	90	0
-5.0	1595	482	203	89	0
-7.0	1580	479	202	89	0
-9.0	1560	476	201	89	0
-11.0	1531	472	200	89	0
-13.0	1493	471	198	86	0
-15.0	1448	468	196	85	0
-17.0	1395	464	194	84	0
-19.5	1318	456	192	83	0
-22.5	1236	443	188	81	0
-25.5	1150	430	185	79	0
-29.0	1037	410	179	76	0
-33.0	934	386	171	72	0
-37.5	813	358	163	68	0
-42.5	690	326	152	63	0
-47.5	572	292	139	58	0
-55.0	426	238	120	49	0
-65.0	263	163	91	36	0
-75.0	128	91	62	22	0
-85.0	55	42	25	7	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
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**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 15671.52

Total Field Lumens (one side of beam only) = 14438.69

\* 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	0.14	0.14	0.14	0.13	0.13	0.13	0.15
75	0.50	1.01	1.01	1.01	1.01	1.02	1.03	1.03	1.02	1.24
65	1.33	2.67	2.66	2.66	2.66	2.66	2.65	2.62	2.58	3.13
55	3.63	7.28	7.25	7.17	7.07	6.94	6.77	6.56	6.32	7.52
47.5	6.36 *	12.71 *	12.59 *	12.36 *	12.10 *	11.75	11.33	10.85	10.31	12.06
42.5	7.29 *	14.54 *	14.37 *	14.09 *	13.76 *	13.33 *	12.82 *	12.23 *	11.58 *	13.48 *
37.5	10.99 *	21.91 *	21.64 *	21.18 *	20.59 *	19.86 *	19.00 *	18.01 *	16.98 *	19.69 *
33	14.79 *	29.38 *	28.91 *	28.17 *	27.18 *	25.94 *	24.53 *	23.06 *	21.57 *	24.74 *
29	18.23 *	36.20 *	35.62 *	34.75 *	33.55 *	31.98 *	30.17 *	28.25 *	26.23 *	29.69 *
25.5	19.58 *	38.95 *	38.45 *	37.67 *	36.59 *	35.18 *	33.48 *	31.53 *	29.36 *	33.29 *
22.5	18.73 *	37.30 *	36.92 *	36.30 *	35.44 *	34.35 *	33.01 *	31.40 *	29.55 *	33.90 *
19.5	19.99 *	39.89 *	39.59 *	39.05 *	38.25 *	37.28 *	36.07 *	34.59 *	32.83 *	38.07 *
17	17.44 *	34.81 *	34.62 *	34.22 *	33.64 *	32.92 *	31.99 *	30.83 *	29.43 *	34.42 *
15	14.41 *	28.77 *	28.63 *	28.33 *	27.91 *	27.39 *	26.68 *	25.79 *	24.71 *	29.08 *
13	14.78 *	29.51 *	29.37 *	29.09 *	28.71 *	28.19 *	27.50 *	26.64 *	25.62 *	30.26 *
11	15.10 *	30.15 *	30.02 *	29.77 *	29.40 *	28.88 *	28.20 *	27.39 *	26.40 *	31.30 *
9	15.37 *	30.69 *	30.57 *	30.31 *	29.94 *	29.44 *	28.82 *	28.03 *	27.08 *	32.20 *
7	15.60 *	31.14 *	31.01 *	30.74 *	30.37 *	29.91 *	29.33 *	28.58 *	27.64 *	32.92 *
5	15.78 *	31.48 *	31.30 *	31.04 *	30.72 *	30.29 *	29.72 *	28.99 *	28.08 *	33.53 *
3	15.89 *	31.67 *	31.48 *	31.26 *	30.96 *	30.53 *	29.97 *	29.27 *	28.39 *	33.94 *
1	15.90 *	31.71 *	31.56 *	31.36 *	31.06 *	30.64 *	30.10 *	29.42 *	28.55 *	34.13 *
0	7.93 *	15.82 *	15.75 *	15.66 *	15.52 *	15.32 *	15.05 *	14.72 *	14.28 *	17.08 *
-1	7.93 *	15.82 *	15.75 *	15.66 *	15.52 *	15.32 *	15.05 *	14.72 *	14.28 *	17.08 *
	15.90 *	31.71 *	31.56 *	31.36 *	31.06 *	30.64 *	30.10 *	29.42 *	28.55 *	34.13 *



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

<b>-3</b>	15.89 *	31.67 *	31.48 *	31.26 *	30.96 *	30.53 *	29.97 *	29.27 *	28.39 *	33.94 *
<b>-5</b>	15.78 *	31.48 *	31.30 *	31.04 *	30.72 *	30.29 *	29.72 *	28.99 *	28.08 *	33.53 *
<b>-7</b>	15.60 *	31.14 *	31.01 *	30.74 *	30.37 *	29.91 *	29.33 *	28.58 *	27.64 *	32.92 *
<b>-9</b>	15.37 *	30.69 *	30.57 *	30.31 *	29.94 *	29.44 *	28.82 *	28.03 *	27.08 *	32.20 *
<b>-11</b>	15.10 *	30.15 *	30.02 *	29.77 *	29.40 *	28.88 *	28.20 *	27.39 *	26.40 *	31.30 *
<b>-13</b>	14.78 *	29.51 *	29.37 *	29.09 *	28.71 *	28.19 *	27.50 *	26.64 *	25.62 *	30.26 *
<b>-15</b>	14.41 *	28.77 *	28.63 *	28.33 *	27.91 *	27.39 *	26.68 *	25.79 *	24.71 *	29.08 *
<b>-17</b>	17.44 *	34.81 *	34.62 *	34.22 *	33.64 *	32.92 *	31.99 *	30.83 *	29.43 *	34.42 *
<b>-19.5</b>	19.99 *	39.89 *	39.59 *	39.05 *	38.25 *	37.28 *	36.07 *	34.59 *	32.83 *	38.07 *
<b>-22.5</b>	18.73 *	37.30 *	36.92 *	36.30 *	35.44 *	34.35 *	33.01 *	31.40 *	29.55 *	33.90 *
<b>-25.5</b>	19.58 *	38.95 *	38.45 *	37.67 *	36.59 *	35.18 *	33.48 *	31.53 *	29.36 *	33.29 *
<b>-29</b>	18.23 *	36.20 *	35.62 *	34.75 *	33.55 *	31.98 *	30.17 *	28.25 *	26.23 *	29.69 *
<b>-33</b>	14.79 *	29.38 *	28.91 *	28.17 *	27.18 *	25.94 *	24.53 *	23.06 *	21.57 *	24.74 *
<b>-37.5</b>	10.99 *	21.91 *	21.64 *	21.18 *	20.59 *	19.86 *	19.00 *	18.01 *	16.98 *	19.69 *
<b>-42.5</b>	7.29 *	14.54 *	14.37 *	14.09 *	13.76 *	13.33 *	12.82 *	12.23 *	11.58 *	13.48 *
<b>-47.5</b>	6.36 *	12.71 *	12.59 *	12.36 *	12.10 *	11.75	11.33	10.85	10.31	12.06
<b>-55</b>	3.63	7.28	7.25	7.17	7.07	6.94	6.77	6.56	6.32	7.52
<b>-65</b>	1.33	2.67	2.66	2.66	2.66	2.66	2.65	2.62	2.58	3.13
<b>-75</b>	0.50	1.01	1.01	1.01	1.02	1.03	1.03	1.02	1.01	1.24
<b>-85</b>	0.07	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.15
<b>-90</b>										
<b>Total</b>	539.40	1075.48	1066.93	1052.7	1033.15	1007.91	976.72	939.85	897.22	1051.66

<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>	0.17	0.17	0.18	0.19	0.19	0.19	0.16	0.20	0.18	0.09
<b>85</b>	1.44	1.38	1.47	1.46	1.42	1.36	1.16	1.40	1.20	0.57
<b>75</b>	3.61	3.42	3.68	3.75	3.66	3.43	2.81	3.14	2.45	1.06
<b>65</b>	8.45	7.82	8.28	8.32	7.94	7.14	5.57	5.84	4.15	1.59
<b>55</b>	13.24	11.88	12.15	11.75	10.70	9.15	6.78	6.67	4.36	1.54

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

<b>47.5</b>										
	14.64 *	12.92 *	12.96 *	12.21	10.76	8.84	6.24	5.84	3.57	1.18
<b>42.5</b>										
	21.23 *	18.62 *	18.54 *	17.24 *	14.91 *	11.89	8.08	7.22	4.16	1.30
<b>37.5</b>										
	26.36 *	22.85 *	22.49 *	20.73 *	17.78 *	13.95 *	9.21	7.87	4.26	1.26
<b>33</b>										
	31.10 *	26.44 *	25.59 *	23.26 *	19.73 *	15.36 *	9.98	8.22	4.21	1.19
<b>29</b>										
	34.70 *	29.05 *	27.57 *	24.62 *	20.56 *	15.86 *	10.21 *	8.22	4.03	1.10
<b>25.5</b>										
	35.71 *	29.98 *	28.09 *	24.59 *	20.22 *	15.42 *	9.89 *	7.85	3.72	0.97
<b>22.5</b>										
	40.73 *	34.72 *	32.57 *	28.06 *	22.68 *	17.10 *	10.93 *	8.58	3.94	1.00
<b>19.5</b>										
	37.27 *	32.25 *	30.59 *	26.22 *	20.81 *	15.51 *	9.85 *	7.68	3.45	0.85
<b>17</b>										
	31.72 *	27.71 *	26.60 *	22.84 *	17.88 *	13.16 *	8.33 *	6.48	2.87	0.69
<b>15</b>										
	33.20 *	29.20 *	28.26 *	24.34 *	18.92 *	13.81 *	8.71 *	6.76	2.95	0.69
<b>13</b>										
	34.52 *	30.54 *	29.76 *	25.72 *	19.92 *	14.44 *	9.05 *	6.99	3.02	0.70
<b>11</b>										
	35.64 *	31.68 *	31.07 *	27.00 *	20.86 *	14.98 *	9.35 *	7.19	3.07	0.70
<b>9</b>										
	36.56 *	32.62 *	32.14 *	28.06 *	21.64 *	15.43 *	9.59 *	7.35	3.11	0.71
<b>7</b>										
	37.31 *	33.36 *	32.95 *	28.87 *	22.24 *	15.79 *	9.78 *	7.47	3.15	0.71
<b>5</b>										
	37.83 *	33.89 *	33.54 *	29.44 *	22.68 *	16.06 *	9.96 *	7.58 *	3.17	0.71
<b>3</b>										
	38.11 *	34.20 *	33.87 *	29.77 *	22.95 *	16.23 *	10.05 *	7.63 *	3.17	0.71
<b>1</b>										
	19.09 *	17.15 *	16.98 *	14.94 *	11.53 *	8.14 *	5.03 *	3.81 *	1.58	0.36
<b>0</b>										
	19.09 *	17.15 *	16.98 *	14.94 *	11.53 *	8.14 *	5.03 *	3.81 *	1.58	0.36
<b>-1</b>										
	38.11 *	34.20 *	33.87 *	29.77 *	22.95 *	16.23 *	10.05 *	7.63 *	3.17	0.71
<b>-3</b>										
	37.83 *	33.89 *	33.54 *	29.44 *	22.68 *	16.06 *	9.96 *	7.58 *	3.17	0.71
<b>-5</b>										
	37.31 *	33.36 *	32.95 *	28.87 *	22.24 *	15.79 *	9.78 *	7.47	3.15	0.71
<b>-7</b>										
	36.56 *	32.62 *	32.14 *	28.06 *	21.64 *	15.43 *	9.59 *	7.35	3.11	0.71
<b>-9</b>										
	35.64 *	31.68 *	31.07 *	27.00 *	20.86 *	14.98 *	9.35 *	7.19	3.07	0.70
<b>-11</b>										
	34.52 *	30.54 *	29.76 *	25.72 *	19.92 *	14.44 *	9.05 *	6.99	3.02	0.70
<b>-13</b>										
	33.20 *	29.20 *	28.26 *	24.34 *	18.92 *	13.81 *	8.71 *	6.76	2.95	0.69
<b>-15</b>										
	31.72 *	27.71 *	26.60 *	22.84 *	17.88 *	13.16 *	8.33 *	6.48	2.87	0.69
<b>-17</b>										
	37.27 *	32.25 *	30.59 *	26.22 *	20.81 *	15.51 *	9.85 *	7.68	3.45	0.85
<b>-19.5</b>										
	40.73 *	34.72 *	32.57 *	28.06 *	22.68 *	17.10 *	10.93 *	8.58	3.94	1.00

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

<b>-22.5</b>	35.71 *	29.98 *	28.09 *	24.59 *	20.22 *	15.42 *	9.89 *	7.85	3.72	0.97
<b>-25.5</b>	34.70 *	29.05 *	27.57 *	24.62 *	20.56 *	15.86 *	10.21 *	8.22	4.03	1.10
<b>-29</b>	31.10 *	26.44 *	25.59 *	23.26 *	19.73 *	15.36 *	9.98	8.22	4.21	1.19
<b>-33</b>	26.36 *	22.85 *	22.49 *	20.73 *	17.78 *	13.95 *	9.21	7.87	4.26	1.26
<b>-37.5</b>	21.23 *	18.62 *	18.54 *	17.24 *	14.91 *	11.89	8.08	7.22	4.16	1.30
<b>-42.5</b>	14.64 *	12.92 *	12.96 *	12.21	10.76	8.84	6.24	5.84	3.57	1.18
<b>-47.5</b>	13.24	11.88	12.15	11.75	10.70	9.15	6.78	6.67	4.36	1.54
<b>-55</b>	8.45	7.82	8.28	8.32	7.94	7.14	5.57	5.84	4.15	1.59
<b>-65</b>	3.61	3.42	3.68	3.75	3.66	3.43	2.81	3.14	2.45	1.06
<b>-75</b>	1.44	1.38	1.47	1.46	1.42	1.36	1.16	1.40	1.20	0.57
<b>-85</b>	0.17	0.17	0.18	0.19	0.19	0.19	0.16	0.20	0.18	0.09
<b>-90</b>										
<b>Total</b>	1145.25	1003.72	978.66	866.75	699.95	526.48	341.50	279.99	139.57	39.36

<b>Vert. Angles</b>	<b>Horizontal Angles</b>		
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>
<b>90</b>			
	0.02	0.00	3.05
<b>85</b>			
	0.15	0.00	22.90
<b>75</b>			
	0.28	0.01	56.94
<b>65</b>			
	0.39	0.01	132.02
<b>55</b>			
	0.36	0.01	201.04
<b>47.5</b>			
	0.27	0.01	216.93
<b>42.5</b>			
	0.29	0.01	313.37
<b>37.5</b>			
	0.28	0.01	395.34
<b>33</b>			
	0.26	0.01	470.03
<b>29</b>			
	0.24	0.01	510.24
<b>25.5</b>			
	0.21	0.01	503.56
<b>22.5</b>			
	0.22	0.01	556.14
<b>19.5</b>			
	0.18	0.01	498.99
<b>17</b>			
	0.15	0.01	420.14

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

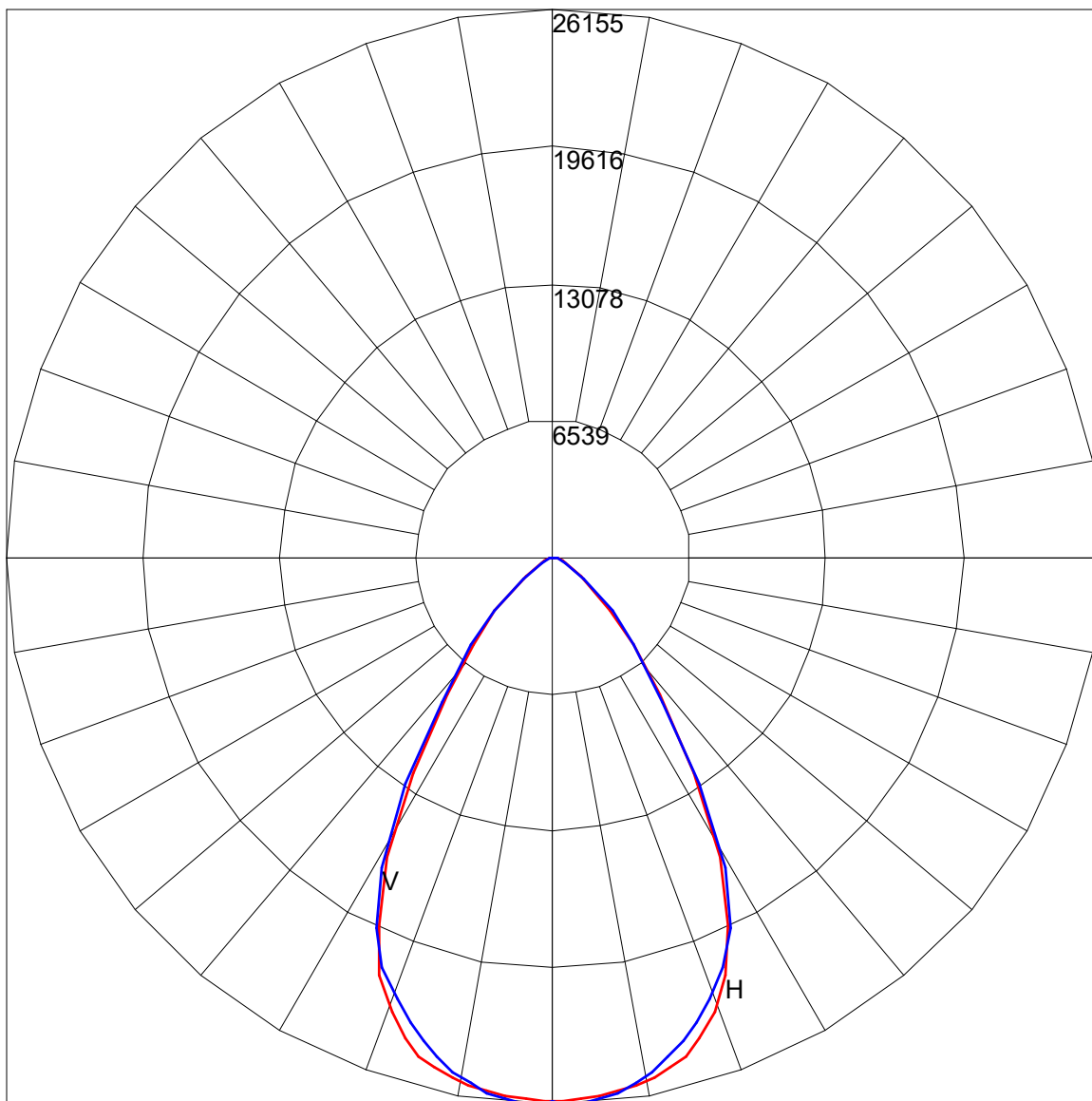
<b>15</b>	0.15	0.01	436.67
<b>13</b>	0.15	0.01	451.42
<b>11</b>	0.15	0.01	464.15
<b>9</b>	0.15	0.01	474.61
<b>7</b>	0.15	0.01	482.72
<b>5</b>	0.15	0.01	488.38
<b>3</b>	0.15	0.01	491.29
<b>1</b>	0.08	0.00	245.83
<b>0</b>	0.08	0.00	245.83
<b>-1</b>	0.15	0.01	491.29
<b>-3</b>	0.15	0.01	488.38
<b>-5</b>	0.15	0.01	482.72
<b>-7</b>	0.15	0.01	474.61
<b>-9</b>	0.15	0.01	464.15
<b>-11</b>	0.15	0.01	451.42
<b>-13</b>	0.15	0.01	436.67
<b>-15</b>	0.15	0.01	420.14
<b>-17</b>	0.18	0.01	498.99
<b>-19.5</b>	0.22	0.01	556.14
<b>-22.5</b>	0.21	0.01	503.56
<b>-25.5</b>	0.24	0.01	510.24
<b>-29</b>	0.26	0.01	470.03
<b>-33</b>	0.28	0.01	395.34
<b>-37.5</b>	0.29	0.01	313.37
<b>-42.5</b>	0.27	0.01	216.93
<b>-47.5</b>	0.36	0.01	201.04
<b>-55</b>	0.39	0.01	132.02
<b>-65</b>	0.28	0.01	56.94

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-30L-PC-WF-40-80.IES**

**LUMENS TABULATION - (Cont.)**

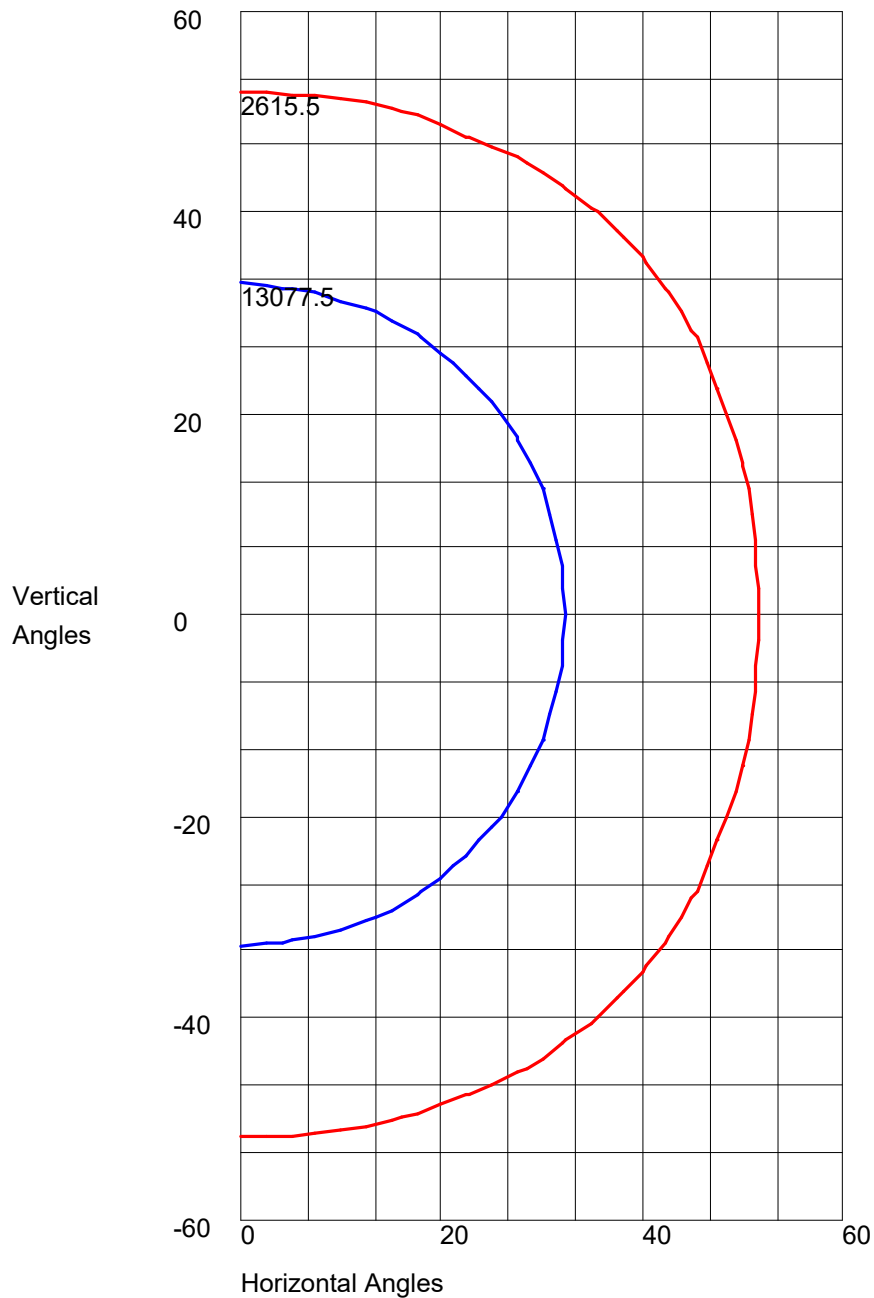
<b>-75</b>	0.15	0.00	22.90
<b>-85</b>	0.02	0.00	3.05
<b>-90</b>			
<b>Total</b>	8.92	0.33	15671.51

AXIAL CANDELA DISPLAY



Maximum Candela = 26155 Located At Horizontal Angle = 0, Vertical Angle = -3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 26155 Located At Horizontal Angle = 0, Vertical Angle = -3  
50% Maximum Candela = 13077.5  
10% Maximum Candela = 2615.5