



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12560
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 03/02/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-30L-PC-VWF-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	6 H x 7 V
Maximum Candela	6272
Maximum Candela Angle	-3H 65V
Horizontal Beam Angle (50%)	96.8
Vertical Beam Angle (50%)	56.2
Horizontal Field Angle (10%)	129.2
Vertical Field Angle (10%)	157.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	8086
Beam Efficiency	N.A.
Field Lumens	15148
Field Efficiency	N.A.
Spill Lumens	235
Luminaire Lumens	15383
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	1
85	47	85	831
75	589	75	4310
65	2644	65	6266
55	3296	55	5791
47.5	3279	47.5	5420
42.5	3251	42.5	4875
37.5	3138	37.5	4231
33	3052	33	3739
29	2968	29	3430
25.5	2922	25.5	3254
22.5	2887	22.5	3136
19.5	2852	19.5	3043
17	2826	17	2976
15	2805	15	2928
13	2787	13	2884
11	2776	11	2844
9	2762	9	2807
7	2745	7	2773
5	2730	5	2745
3	2717	3	2727
1	2715	1	2718
0	2715	0	2715
-1	2715	-1	2726
-3	2717	-3	2745
-5	2730	-5	2758
-7	2745	-7	2774
-9	2762	-9	2793
-11	2776	-11	2812
-13	2787	-13	2829
-15	2805	-15	2842
-17	2826	-17	2844
-19.5	2852	-19.5	2756
-22.5	2887	-22.5	2748
-25.5	2922	-25.5	2748
-29	2968	-29	2695
-33	3052	-33	2718
-37.5	3138	-37.5	2820
-42.5	3251	-42.5	3048
-47.5	3279	-47.5	2928
-55	3296	-55	2525
-65	2644	-65	1584
-75	589	-75	96
-85	47	-85	116
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 6272

Beam Edge = 3136 Cd (50% of Max.)

Field Edge = 627.2 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0	0	0	0	0	1	1	1	1	1
85.0	0	6	31	95	165	231	312	442	557	641 *
75.0	0	19	67	142	657 *	1539 *	2141 *	2620 *	3034 *	3257 *
65.0	0	30	101	569	2081 *	3281 *	3843 *	4214 *	4603 *	4842 *
55.0	0	38	187	1421 *	3366 *	4006 *	4358 *	4497 *	4764 *	4899 *
47.5	0	41	274	1978 *	3764 *	4253 *	4382 *	4567 *	4698 *	4841 *
42.5	0	43	386	2289 *	3881 *	4177 *	4254 *	4384 *	4467 *	4591 *
37.5	0	44	466	2542 *	3838 *	4043 *	4115 *	4186 *	4273 *	4326 *
33.0	0	45	512	2671 *	3790 *	3943 *	3972 *	4014 *	4065 *	4069 *
29.0	0	46	567	2753 *	3746 *	3836 *	3877 *	3881 *	3882 *	3824 *
25.5	0	47	601	2828 *	3692 *	3759 *	3767 *	3765 *	3717 *	3643 *
22.5	0	47	620	2829 *	3647 *	3695 *	3691 *	3647 *	3590 *	3506 *
19.5	0	48	629 *	2832 *	3603 *	3621 *	3620 *	3550 *	3473 *	3381 *
17.0	0	48	641 *	2826 *	3562 *	3560 *	3558 *	3480 *	3383 *	3291 *
15.0	0	48	647 *	2817 *	3530 *	3532 *	3508 *	3419 *	3320 *	3227 *
13.0	0	48	650 *	2802 *	3498 *	3500 *	3467 *	3364 *	3264 *	3168 *
11.0	0	49	649 *	2783 *	3467 *	3465 *	3429 *	3319 *	3213 *	3118 *
9.0	0	48	645 *	2767 *	3436 *	3427 *	3391 *	3280 *	3168 *	3074 *
7.0	0	48	638 *	2749 *	3405 *	3388 *	3353 *	3241 *	3130 *	3040 *
5.0	0	48	635 *	2725 *	3374 *	3351 *	3315 *	3203 *	3097 *	3009 *
3.0	0	47	617	2704 *	3344 *	3320 *	3286 *	3171 *	3070 *	2983 *
1.0	0	47	598	2664 *	3312 *	3293 *	3263 *	3148 *	3057 *	2971 *
0.0	0	47	589	2644 *	3296 *	3279 *	3251 *	3138 *	3052 *	2968 *
-1.0	0	47	581	2626 *	3283 *	3268 *	3242 *	3130 *	3047 *	2965 *
-3.0	0	46	566	2591 *	3257 *	3247 *	3223 *	3118 *	3039 *	2961 *
-5.0	0	46	550	2537 *	3229 *	3228 *	3207 *	3113 *	3040 *	2965 *
-7.0	0	46	521	2483 *	3201 *	3203 *	3195 *	3114 *	3044 *	2971 *
-9.0	0	45	498	2423 *	3162 *	3176 *	3182 *	3116 *	3049 *	2981 *
-11.0	0	45	473	2361 *	3118 *	3146 *	3168 *	3119 *	3050 *	2996 *
-13.0	0	44	448	2289 *	3072 *	3112 *	3153 *	3110 *	3043 *	3009 *
-15.0	0	43	421	2214 *	3021 *	3076 *	3126 *	3089 *	3028 *	3020 *
-17.0	0	42	394	2133 *	2965 *	3035 *	3075 *	3049 *	3008 *	2983 *
-19.5	0	41	360	2024 *	2888 *	2968 *	2991 *	2989 *	2976 *	2947 *
-22.5	0	40	324	1881 *	2784 *	2880 *	2879 *	2913 *	2922 *	2913 *
-25.5	0	39	286	1742 *	2671 *	2780 *	2783 *	2846 *	2844 *	2870 *
-29.0	0	37	239	1515 *	2536 *	2631 *	2709 *	2732 *	2765 *	2805 *
-33.0	0	36	183	1265 *	2342 *	2489 *	2565 *	2599 *	2661 *	2694 *
-37.5	0	33	147	985 *	2105 *	2395 *	2430 *	2522 *	2580 *	2633 *
-42.5	0	31	111	679 *	1783 *	2203 *	2319 *	2415 *	2541 *	2650 *
-47.5	0	28	78	424	1354 *	1900 *	2092 *	2245 *	2316 *	2446 *
-55.0	0	24	54	172	646 *	1195 *	1521 *	1692 *	1842 *	1911 *
-65.0	0	18	36	53	96	203	342	530	698 *	841 *
-75.0	0	11	35	47	73	77	83	87	89	83
-85.0	0	4	20	50	82	93	100	100	102	108
-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	1	1	1	1	1	1	1	1	1	1
85.0	720 *	751 *	770 *	784 *	793 *	793 *	813 *	802 *	792 *	781 *
75.0	3454 *	3619 *	3782 *	3918 *	4025 *	4097 *	4153 *	4202 *	4246 *	4301 *
65.0	5217 *	5424 *	5540 *	5673 *	5800 *	5918 *	5997 *	6077 *	6158 *	6238 *
55.0	5110 *	5260 *	5385 *	5483 *	5561 *	5641 *	5685 *	5715 *	5748 *	5785 *
47.5	4948 *	5051 *	5180 *	5246 *	5277 *	5313 *	5350 *	5354 *	5369 *	5393 *
42.5	4668 *	4741 *	4807 *	4852 *	4851 *	4852 *	4860 *	4861 *	4860 *	4866 *
37.5	4347 *	4353 *	4354 *	4341 *	4322 *	4303 *	4287 *	4274 *	4254 *	4241 *
33.0	4040 *	4014 *	3974 *	3933 *	3900 *	3865 *	3836 *	3815 *	3786 *	3758 *
29.0	3767 *	3733 *	3687 *	3635 *	3593 *	3562 *	3530 *	3503 *	3483 *	3462 *
25.5	3585 *	3537 *	3478 *	3432 *	3395 *	3363 *	3335 *	3315 *	3300 *	3282 *
22.5	3439 *	3390 *	3336 *	3292 *	3264 *	3235 *	3212 *	3195 *	3178 *	3162 *
19.5	3311 *	3265 *	3215 *	3179 *	3151 *	3128 *	3110 *	3099 *	3080 *	3065 *
17.0	3222 *	3178 *	3132 *	3100 *	3072 *	3054 *	3039 *	3025 *	3010 *	2994 *
15.0	3159 *	3118 *	3074 *	3042 *	3021 *	3001 *	2991 *	2977 *	2961 *	2945 *
13.0	3106 *	3065 *	3024 *	2994 *	2972 *	2953 *	2942 *	2932 *	2913 *	2900 *
11.0	3061 *	3018 *	2980 *	2951 *	2930 *	2912 *	2902 *	2888 *	2872 *	2857 *
9.0	3017 *	2979 *	2943 *	2914 *	2892 *	2876 *	2864 *	2850 *	2834 *	2819 *
7.0	2980 *	2945 *	2909 *	2881 *	2859 *	2842 *	2833 *	2818 *	2800 *	2786 *
5.0	2956 *	2920 *	2880 *	2852 *	2832 *	2816 *	2804 *	2790 *	2774 *	2756 *
3.0	2936 *	2899 *	2861 *	2834 *	2814 *	2796 *	2782 *	2769 *	2752 *	2738 *
1.0	2925 *	2888 *	2851 *	2824 *	2804 *	2787 *	2774 *	2761 *	2743 *	2726 *
0.0	2922 *	2887 *	2852 *	2826 *	2805 *	2787 *	2776 *	2762 *	2745 *	2730 *
-1.0	2920 *	2886 *	2851 *	2825 *	2805 *	2789 *	2778 *	2764 *	2746 *	2729 *
-3.0	2919 *	2887 *	2853 *	2828 *	2809 *	2793 *	2781 *	2769 *	2754 *	2743 *
-5.0	2924 *	2893 *	2858 *	2835 *	2818 *	2804 *	2795 *	2783 *	2772 *	2761 *
-7.0	2929 *	2904 *	2874 *	2851 *	2833 *	2819 *	2814 *	2804 *	2792 *	2782 *
-9.0	2940 *	2919 *	2893 *	2870 *	2853 *	2841 *	2834 *	2825 *	2815 *	2805 *
-11.0	2953 *	2935 *	2911 *	2889 *	2874 *	2862 *	2858 *	2848 *	2838 *	2828 *
-13.0	2970 *	2948 *	2927 *	2907 *	2892 *	2880 *	2875 *	2869 *	2859 *	2848 *
-15.0	2967 *	2960 *	2938 *	2921 *	2907 *	2895 *	2890 *	2884 *	2872 *	2860 *
-17.0	2946 *	2959 *	2922 *	2909 *	2899 *	2879 *	2884 *	2866 *	2855 *	2856 *
-19.5	2895 *	2909 *	2873 *	2867 *	2848 *	2827 *	2819 *	2814 *	2794 *	2757 *
-22.5	2887 *	2891 *	2864 *	2851 *	2840 *	2822 *	2817 *	2805 *	2789 *	2774 *
-25.5	2861 *	2870 *	2843 *	2837 *	2819 *	2809 *	2809 *	2776 *	2755 *	2754 *
-29.0	2793 *	2814 *	2817 *	2795 *	2790 *	2775 *	2762 *	2750 *	2740 *	2723 *
-33.0	2743 *	2742 *	2767 *	2778 *	2781 *	2775 *	2766 *	2767 *	2768 *	2761 *
-37.5	2705 *	2746 *	2789 *	2820 *	2839 *	2849 *	2857 *	2862 *	2849 *	2838 *
-42.5	2719 *	2800 *	2877 *	2932 *	2968 *	3001 *	3034 *	3049 *	3053 *	3059 *
-47.5	2580 *	2647 *	2721 *	2816 *	2882 *	2934 *	2972 *	2965 *	2957 *	2947 *
-55.0	2054 *	2127 *	2213 *	2316 *	2378 *	2423 *	2455 *	2481 *	2504 *	2526 *
-65.0	997 *	1056 *	1148 *	1215 *	1262 *	1311 *	1374 *	1438 *	1503 *	1566 *
-75.0	80	81	81	80	78	76	75	74	73	72
-85.0	113	117	121	125	128	121	116	107	99	90
-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	1	1	1	1	1	1	1	1	1	1
85.0	801 *	821 *	831 *	821 *	801 *	781 *	792 *	802 *	813 *	793 *
75.0	4306 *	4309 *	4310 *	4309 *	4306 *	4301 *	4246 *	4202 *	4153 *	4097 *
65.0	6272 *	6268 *	6266 *	6268 *	6272 *	6238 *	6158 *	6077 *	5997 *	5918 *

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CANDELA TABULATION - (Cont.)

55.0	5791 *	5791 *	5791 *	5791 *	5791 *	5785 *	5748 *	5715 *	5685 *	5641 *
47.5	5410 *	5417 *	5420 *	5417 *	5410 *	5393 *	5369 *	5354 *	5350 *	5313 *
42.5	4865 *	4872 *	4875 *	4872 *	4865 *	4866 *	4860 *	4861 *	4860 *	4852 *
37.5	4237 *	4229 *	4231 *	4229 *	4237 *	4241 *	4254 *	4274 *	4287 *	4303 *
33.0	3739 *	3736 *	3739 *	3736 *	3739 *	3758 *	3786 *	3815 *	3836 *	3865 *
29.0	3447 *	3434 *	3430 *	3434 *	3447 *	3462 *	3483 *	3503 *	3530 *	3562 *
25.5	3268 *	3258 *	3254 *	3258 *	3268 *	3282 *	3300 *	3315 *	3335 *	3363 *
22.5	3146 *	3137 *	3136 *	3137 *	3146 *	3162 *	3178 *	3195 *	3212 *	3235 *
19.5	3052 *	3044 *	3043 *	3044 *	3052 *	3065 *	3080 *	3099 *	3110 *	3128 *
17.0	2983 *	2977 *	2976 *	2977 *	2983 *	2994 *	3010 *	3025 *	3039 *	3054 *
15.0	2935 *	2928 *	2928 *	2928 *	2935 *	2945 *	2961 *	2977 *	2991 *	3001 *
13.0	2891 *	2886 *	2884 *	2886 *	2891 *	2900 *	2913 *	2932 *	2942 *	2953 *
11.0	2850 *	2845 *	2844 *	2845 *	2850 *	2857 *	2872 *	2888 *	2902 *	2912 *
9.0	2810 *	2808 *	2807 *	2808 *	2810 *	2819 *	2834 *	2850 *	2864 *	2876 *
7.0	2772 *	2773 *	2773 *	2773 *	2772 *	2786 *	2800 *	2818 *	2833 *	2842 *
5.0	2746 *	2742 *	2745 *	2742 *	2746 *	2756 *	2774 *	2790 *	2804 *	2816 *
3.0	2723 *	2722 *	2727 *	2722 *	2723 *	2738 *	2752 *	2769 *	2782 *	2796 *
1.0	2714 *	2712 *	2718 *	2712 *	2714 *	2726 *	2743 *	2761 *	2774 *	2787 *
0.0	2717 *	2715 *	2715 *	2715 *	2717 *	2730 *	2745 *	2762 *	2776 *	2787 *
-1.0	2719 *	2721 *	2726 *	2721 *	2719 *	2729 *	2746 *	2764 *	2778 *	2789 *
-3.0	2737 *	2745 *	2745 *	2745 *	2737 *	2743 *	2754 *	2769 *	2781 *	2793 *
-5.0	2757 *	2759 *	2758 *	2759 *	2757 *	2761 *	2772 *	2783 *	2795 *	2804 *
-7.0	2777 *	2776 *	2774 *	2776 *	2777 *	2782 *	2792 *	2804 *	2814 *	2819 *
-9.0	2799 *	2797 *	2793 *	2797 *	2799 *	2805 *	2815 *	2825 *	2834 *	2841 *
-11.0	2821 *	2816 *	2812 *	2816 *	2821 *	2828 *	2838 *	2848 *	2858 *	2862 *
-13.0	2839 *	2832 *	2829 *	2832 *	2839 *	2848 *	2859 *	2869 *	2875 *	2880 *
-15.0	2851 *	2845 *	2842 *	2845 *	2851 *	2860 *	2872 *	2884 *	2890 *	2895 *
-17.0	2855 *	2847 *	2844 *	2847 *	2855 *	2856 *	2855 *	2866 *	2884 *	2879 *
-19.5	2758 *	2758 *	2756 *	2758 *	2758 *	2757 *	2794 *	2814 *	2819 *	2827 *
-22.5	2761 *	2751 *	2748 *	2751 *	2761 *	2774 *	2789 *	2805 *	2817 *	2822 *
-25.5	2752 *	2751 *	2748 *	2751 *	2752 *	2754 *	2755 *	2776 *	2809 *	2809 *
-29.0	2708 *	2698 *	2695 *	2698 *	2708 *	2723 *	2740 *	2750 *	2762 *	2775 *
-33.0	2748 *	2728 *	2718 *	2728 *	2748 *	2761 *	2768 *	2767 *	2766 *	2775 *
-37.5	2829 *	2822 *	2820 *	2822 *	2829 *	2838 *	2849 *	2862 *	2857 *	2849 *
-42.5	3060 *	3052 *	3048 *	3052 *	3060 *	3059 *	3053 *	3049 *	3034 *	3001 *
-47.5	2939 *	2932 *	2928 *	2932 *	2939 *	2947 *	2957 *	2965 *	2972 *	2934 *
-55.0	2527 *	2526 *	2525 *	2526 *	2527 *	2526 *	2504 *	2481 *	2455 *	2423 *
-65.0	1592 *	1587 *	1584 *	1587 *	1592 *	1566 *	1503 *	1438 *	1374 *	1311 *
-75.0	81	91	96	91	81	72	73	74	75	76
-85.0	100	111	116	111	100	90	99	107	116	121
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **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	1	1	1	1	1	1	1	1	1	1
85.0	793 *	784 *	770 *	751 *	720 *	641 *	557	442	312	231
75.0	4025 *	3918 *	3782 *	3619 *	3454 *	3257 *	3034 *	2620 *	2141 *	1539 *
65.0	5800 *	5673 *	5540 *	5424 *	5217 *	4842 *	4603 *	4214 *	3843 *	3281 *
55.0	5561 *	5483 *	5385 *	5260 *	5110 *	4899 *	4764 *	4497 *	4358 *	4006 *
47.5	5277 *	5246 *	5180 *	5051 *	4948 *	4841 *	4698 *	4567 *	4382 *	4253 *
42.5	4851 *	4852 *	4807 *	4741 *	4668 *	4591 *	4467 *	4384 *	4254 *	4177 *
37.5	4322 *	4341 *	4354 *	4353 *	4347 *	4326 *	4273 *	4186 *	4115 *	4043 *
33.0	3900 *	3933 *	3974 *	4014 *	4040 *	4069 *	4065 *	4014 *	3972 *	3943 *
29.0	3593 *	3635 *	3687 *	3733 *	3767 *	3824 *	3882 *	3881 *	3877 *	3836 *
25.5	3395 *	3432 *	3478 *	3537 *	3585 *	3643 *	3717 *	3765 *	3767 *	3759 *

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CANDELA TABULATION - (Cont.)

22.5	3264 *	3292 *	3336 *	3390 *	3439 *	3506 *	3590 *	3647 *	3691 *	3695 *
19.5	3151 *	3179 *	3215 *	3265 *	3311 *	3381 *	3473 *	3550 *	3620 *	3621 *
17.0	3072 *	3100 *	3132 *	3178 *	3222 *	3291 *	3383 *	3480 *	3558 *	3560 *
15.0	3021 *	3042 *	3074 *	3118 *	3159 *	3227 *	3320 *	3419 *	3508 *	3532 *
13.0	2972 *	2994 *	3024 *	3065 *	3106 *	3168 *	3264 *	3364 *	3467 *	3500 *
11.0	2930 *	2951 *	2980 *	3018 *	3061 *	3118 *	3213 *	3319 *	3429 *	3465 *
9.0	2892 *	2914 *	2943 *	2979 *	3017 *	3074 *	3168 *	3280 *	3391 *	3427 *
7.0	2859 *	2881 *	2909 *	2945 *	2980 *	3040 *	3130 *	3241 *	3353 *	3388 *
5.0	2832 *	2852 *	2880 *	2920 *	2956 *	3009 *	3097 *	3203 *	3315 *	3351 *
3.0	2814 *	2834 *	2861 *	2899 *	2936 *	2983 *	3070 *	3171 *	3286 *	3320 *
1.0	2804 *	2824 *	2851 *	2888 *	2925 *	2971 *	3057 *	3148 *	3263 *	3293 *
0.0	2805 *	2826 *	2852 *	2887 *	2922 *	2968 *	3052 *	3138 *	3251 *	3279 *
-1.0	2805 *	2825 *	2851 *	2886 *	2920 *	2965 *	3047 *	3130 *	3242 *	3268 *
-3.0	2809 *	2828 *	2853 *	2887 *	2919 *	2961 *	3039 *	3118 *	3223 *	3247 *
-5.0	2818 *	2835 *	2858 *	2893 *	2924 *	2965 *	3040 *	3113 *	3207 *	3228 *
-7.0	2833 *	2851 *	2874 *	2904 *	2929 *	2971 *	3044 *	3114 *	3195 *	3203 *
-9.0	2853 *	2870 *	2893 *	2919 *	2940 *	2981 *	3049 *	3116 *	3182 *	3176 *
-11.0	2874 *	2889 *	2911 *	2935 *	2953 *	2996 *	3050 *	3119 *	3168 *	3146 *
-13.0	2892 *	2907 *	2927 *	2948 *	2970 *	3009 *	3043 *	3110 *	3153 *	3112 *
-15.0	2907 *	2921 *	2938 *	2960 *	2967 *	3020 *	3028 *	3089 *	3126 *	3076 *
-17.0	2899 *	2909 *	2922 *	2959 *	2946 *	2983 *	3008 *	3049 *	3075 *	3035 *
-19.5	2848 *	2867 *	2873 *	2909 *	2895 *	2947 *	2976 *	2989 *	2991 *	2968 *
-22.5	2840 *	2851 *	2864 *	2891 *	2887 *	2913 *	2922 *	2913 *	2879 *	2880 *
-25.5	2819 *	2837 *	2843 *	2870 *	2861 *	2870 *	2844 *	2846 *	2783 *	2780 *
-29.0	2790 *	2795 *	2817 *	2814 *	2793 *	2805 *	2765 *	2732 *	2709 *	2631 *
-33.0	2781 *	2778 *	2767 *	2742 *	2743 *	2694 *	2661 *	2599 *	2565 *	2489 *
-37.5	2839 *	2820 *	2789 *	2746 *	2705 *	2633 *	2580 *	2522 *	2430 *	2395 *
-42.5	2968 *	2932 *	2877 *	2800 *	2719 *	2650 *	2541 *	2415 *	2319 *	2203 *
-47.5	2882 *	2816 *	2721 *	2647 *	2580 *	2446 *	2316 *	2245 *	2092 *	1900 *
-55.0	2378 *	2316 *	2213 *	2127 *	2054 *	1911 *	1842 *	1692 *	1521 *	1195 *
-65.0	1262 *	1215 *	1148 *	1056 *	997 *	841 *	698 *	530 *	342 *	203 *
-75.0	78	80	81	81	80	83	89	87	83	77
-85.0	128	125	121	117	113	108	102	100	100	93
-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	165	95	31	6	0
75.0	657 *	142	67	19	0
65.0	2081 *	569	101	30	0
55.0	3366 *	1421 *	187	38	0
47.5	3764 *	1978 *	274	41	0
42.5	3881 *	2289 *	386	43	0
37.5	3838 *	2542 *	466	44	0
33.0	3790 *	2671 *	512	45	0
29.0	3746 *	2753 *	567	46	0
25.5	3692 *	2828 *	601	47	0
22.5	3647 *	2829 *	620	47	0
19.5	3603 *	2832 *	629 *	48	0
17.0	3562 *	2826 *	641 *	48	0
15.0	3530 *	2817 *	647 *	48	0
13.0	3498 *	2802 *	650 *	48	0
11.0	3467 *	2783 *	649 *	49	0
9.0	3436 *	2767 *	645 *	48	0

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

CANDELA TABULATION - (Cont.)

7.0	3405 *	2749 *	638 *	48	0
5.0	3374 *	2725 *	635 *	48	0
3.0	3344 *	2704 *	617	47	0
1.0	3312 *	2664 *	598	47	0
0.0	3296 *	2644 *	589	47	0
-1.0	3283 *	2626 *	581	47	0
-3.0	3257 *	2591 *	566	46	0
-5.0	3229 *	2537 *	550	46	0
-7.0	3201 *	2483 *	521	46	0
-9.0	3162 *	2423 *	498	45	0
-11.0	3118 *	2361 *	473	45	0
-13.0	3072 *	2289 *	448	44	0
-15.0	3021 *	2214 *	421	43	0
-17.0	2965 *	2133 *	394	42	0
-19.5	2888 *	2024 *	360	41	0
-22.5	2784 *	1881 *	324	40	0
-25.5	2671 *	1742 *	286	39	0
-29.0	2536 *	1515 *	239	37	0
-33.0	2342 *	1265 *	183	36	0
-37.5	2105 *	985 *	147	33	0
-42.5	1783 *	679 *	111	31	0
-47.5	1354 *	424	78	28	0
-55.0	646 *	172	54	24	0
-65.0	96	53	36	18	0
-75.0	73	47	35	11	0
-85.0	82	50	20	4	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7691.36

Total Field Lumens (one side of beam only) = 7574.05

* 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	0.63	1.24	1.20	1.19	1.20	1.21	1.20	1.17	1.16	1.41
85	7.82 *	15.58 *	15.48 *	15.33 *	15.15 *	14.95 *	14.68 *	14.35 *	13.94 *	16.73 *
75	16.11 *	32.20 *	32.08 *	31.72 *	31.19 *	30.64 *	30.04 *	29.32 *	28.43 *	34.19 *
65	18.36 *	36.72 *	36.59 *	36.24 *	35.74 *	35.21 *	34.62 *	33.87 *	32.97 *	39.92 *
55	12.80 *	25.58 *	25.50 *	25.33 *	25.10 *	24.86 *	24.57 *	24.15 *	23.68 *	28.87 *
47.5	7.84 *	15.65 *	15.60 *	15.52 *	15.42 *	15.32 *	15.18 *	14.99 *	14.81 *	18.16 *
42.5	6.93 *	13.85 *	13.83 *	13.80 *	13.76 *	13.71 *	13.63 *	13.54 *	13.44 *	16.59 *
37.5	5.46 *	10.92 *	10.92 *	10.93 *	10.95 *	10.94 *	10.92 *	10.90 *	10.87 *	13.51 *
33	4.37 *	8.74 *	8.75 *	8.78 *	8.80 *	8.81 *	8.82 *	8.82 *	8.82 *	11.01 *
29	3.57 *	7.14 *	7.16 *	7.17 *	7.18 *	7.18 *	7.19 *	7.20 *	7.20 *	9.01 *
25.5	2.92 *	5.85 *	5.86 *	5.87 *	5.88 *	5.88 *	5.87 *	5.88 *	5.88 *	7.34 *
22.5	2.82 *	5.65 *	5.66 *	5.67 *	5.68 *	5.68 *	5.67 *	5.66 *	5.66 *	7.06 *
19.5	2.29 *	4.59 *	4.59 *	4.60 *	4.61 *	4.60 *	4.59 *	4.58 *	4.58 *	5.71 *
17	1.80 *	3.60 *	3.60 *	3.61 *	3.61 *	3.61 *	3.60 *	3.59 *	3.58 *	4.46 *
15	1.77 *	3.54 *	3.55 *	3.55 *	3.55 *	3.55 *	3.54 *	3.53 *	3.52 *	4.39 *
13	1.75 *	3.49 *	3.49 *	3.50 *	3.50 *	3.50 *	3.49 *	3.48 *	3.47 *	4.32 *
11	1.72 *	3.44 *	3.44 *	3.45 *	3.45 *	3.45 *	3.44 *	3.43 *	3.42 *	4.26 *
9	1.70 *	3.40 *	3.40 *	3.40 *	3.41 *	3.41 *	3.40 *	3.39 *	3.38 *	4.21 *
7	1.68 *	3.36 *	3.36 *	3.37 *	3.37 *	3.37 *	3.37 *	3.35 *	3.34 *	4.17 *
5	1.67 *	3.33 *	3.33 *	3.34 *	3.34 *	3.34 *	3.34 *	3.33 *	3.32 *	4.13 *
3	1.66 *	3.31 *	3.31 *	3.32 *	3.33 *	3.33 *	3.32 *	3.31 *	3.30 *	4.11 *
1	0.83 *	1.65 *	1.65 *	1.66 *	1.66 *	1.66 *	1.66 *	1.65 *	1.65 *	2.05 *
0	0.83 *	1.65 *	1.66 *	1.66 *	1.66 *	1.66 *	1.66 *	1.65 *	1.65 *	2.05 *
-1	1.67 *	3.32 *	3.32 *	3.32 *	3.33 *	3.33 *	3.32 *	3.31 *	3.30 *	4.11 *

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

LUMENS TABULATION - (Cont.)

-3	1.68 *	3.35 *	3.34 *	3.34 *	3.34 *	3.34 *	3.33 *	3.32 *	3.31 *	4.11 *
-5	1.69 *	3.37 *	3.37 *	3.36 *	3.36 *	3.36 *	3.35 *	3.33 *	3.32 *	4.13 *
-7	1.70 *	3.39 *	3.39 *	3.39 *	3.39 *	3.38 *	3.37 *	3.35 *	3.34 *	4.15 *
-9	1.71 *	3.42 *	3.42 *	3.42 *	3.42 *	3.41 *	3.40 *	3.38 *	3.36 *	4.18 *
-11	1.72 *	3.44 *	3.44 *	3.45 *	3.44 *	3.43 *	3.42 *	3.40 *	3.39 *	4.21 *
-13	1.73 *	3.46 *	3.46 *	3.47 *	3.46 *	3.46 *	3.44 *	3.42 *	3.40 *	4.23 *
-15	1.73 *	3.47 *	3.47 *	3.47 *	3.46 *	3.46 *	3.44 *	3.42 *	3.41 *	4.23 *
-17	2.13 *	4.27 *	4.26 *	4.26 *	4.27 *	4.27 *	4.25 *	4.23 *	4.22 *	5.23 *
-19.5	2.52 *	5.04 *	5.04 *	5.05 *	5.07 *	5.06 *	5.04 *	5.03 *	5.01 *	6.21 *
-22.5	2.51 *	5.03 *	5.03 *	5.03 *	5.03 *	5.04 *	5.03 *	5.01 *	4.98 *	6.18 *
-25.5	2.90 *	5.81 *	5.82 *	5.82 *	5.82 *	5.83 *	5.82 *	5.79 *	5.76 *	7.15 *
-29	3.30 *	6.63 *	6.65 *	6.66 *	6.65 *	6.63 *	6.60 *	6.57 *	6.53 *	8.07 *
-33	3.80 *	7.62 *	7.64 *	7.64 *	7.63 *	7.59 *	7.54 *	7.48 *	7.39 *	9.07 *
-37.5	4.47 *	8.95 *	8.95 *	8.94 *	8.91 *	8.85 *	8.75 *	8.61 *	8.46 *	10.32 *
-42.5	4.55 *	9.12 *	9.12 *	9.10 *	9.07 *	9.01 *	8.89 *	8.71 *	8.49 *	10.26 *
-47.5	6.23 *	12.47 *	12.46 *	12.42 *	12.34 *	12.23 *	12.05 *	11.77 *	11.41 *	13.65 *
-55	6.26 *	12.53 *	12.47 *	12.27 *	11.95 *	11.62 *	11.27 *	10.90 *	10.50 *	12.46 *
-65	2.56 *	5.10 *	5.03 *	4.87 *	4.66 *	4.44 *	4.22 *	4.03 *	3.86 *	4.56 *
-75	0.32	0.58	0.52	0.51	0.53	0.56	0.58	0.60	0.60	0.74
-85	0.09	0.16	0.14	0.14	0.16	0.17	0.18	0.18	0.19	0.22
-90										
Total	162.58	325.02	324.41	322.93	320.83	318.35	315.07	310.99	306.27	375.14

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	1.62	1.54	1.61	1.57	1.40	1.10	0.73	0.71	0.49	0.16
85	19.03 *	17.83 *	19.12 *	19.55 *	18.61 *	16.08 *	11.37 *	9.26 *	4.03	0.87
75	39.17 *	36.97 *	39.73 *	41.08 *	40.49 *	37.38 *	29.08 *	27.00 *	13.12 *	2.29
65	46.08 *	43.85 *	47.55 *	49.88 *	50.58 *	49.31 *	41.69 *	45.49 *	28.28 *	5.93
55	33.39 *	31.88 *	35.18 *	37.60 *	38.87 *	38.94 *	34.32 *	41.23 *	30.03 *	7.53 *

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

LUMENS TABULATION - (Cont.)

47.5	21.09 *	20.25 *	22.56 *	24.27 *	25.34 *	25.64 *	22.97 *	28.71 *	22.65 *	6.41 *
42.5	19.47 *	18.90 *	21.24 *	23.05 *	24.22 *	24.70 *	22.33 *	28.47 *	23.86 *	7.39 *
37.5	16.02 *	15.73 *	17.89 *	19.66 *	20.82 *	21.37 *	19.47 *	25.10 *	21.97 *	7.25 *
33	13.14 *	12.98 *	14.88 *	16.54 *	17.73 *	18.36 *	16.83 *	21.88 *	19.71 *	6.77 *
29	10.77 *	10.68 *	12.29 *	13.77 *	14.93 *	15.60 *	14.36 *	18.80 *	17.33 *	6.14 *
25.5	8.79 *	8.73 *	10.07 *	11.32 *	12.35 *	13.01 *	12.04 *	15.85 *	14.83 *	5.37 *
22.5	8.45 *	8.39 *	9.69 *	10.93 *	11.97 *	12.69 *	11.81 *	15.61 *	14.73 *	5.39 *
19.5	6.82 *	6.77 *	7.82 *	8.83 *	9.71 *	10.36 *	9.66 *	12.81 *	12.19 *	4.51 *
17	5.33 *	5.29 *	6.11 *	6.90 *	7.61 *	8.14 *	7.62 *	10.13 *	9.69 *	3.61 *
15	5.24 *	5.20 *	6.00 *	6.78 *	7.48 *	8.02 *	7.54 *	10.05 *	9.62 *	3.60 *
13	5.16 *	5.11 *	5.90 *	6.66 *	7.36 *	7.92 *	7.46 *	9.95 *	9.55 *	3.58 *
11	5.08 *	5.04 *	5.81 *	6.56 *	7.26 *	7.83 *	7.38 *	9.86 *	9.47 *	3.56 *
9	5.02 *	4.98 *	5.74 *	6.48 *	7.17 *	7.74 *	7.30 *	9.76 *	9.40 *	3.54 *
7	4.97 *	4.93 *	5.68 *	6.41 *	7.09 *	7.65 *	7.22 *	9.66 *	9.32 *	3.51 *
5	4.93 *	4.89 *	5.63 *	6.35 *	7.02 *	7.57 *	7.14 *	9.57 *	9.24 *	3.48 *
3	4.90 *	4.86 *	5.60 *	6.31 *	6.96 *	7.50 *	7.09 *	9.48 *	9.15 *	3.42 *
1	2.45 *	2.43 *	2.79 *	3.15 *	3.47 *	3.73 *	3.52 *	4.71 *	4.53 *	1.69 *
0	2.45 *	2.42 *	2.79 *	3.14 *	3.46 *	3.72 *	3.51 *	4.69 *	4.51 *	1.68 *
-1	4.90 *	4.85 *	5.57 *	6.27 *	6.90 *	7.41 *	6.99 *	9.33 *	8.94 *	3.31 *
-3	4.90 *	4.85 *	5.58 *	6.27 *	6.89 *	7.38 *	6.95 *	9.26 *	8.83 *	3.25 *
-5	4.92 *	4.86 *	5.59 *	6.28 *	6.89 *	7.37 *	6.91 *	9.19 *	8.71 *	3.17 *
-7	4.94 *	4.88 *	5.60 *	6.29 *	6.90 *	7.35 *	6.87 *	9.10 *	8.57 *	3.08 *
-9	4.97 *	4.90 *	5.62 *	6.31 *	6.90 *	7.34 *	6.82 *	9.00 *	8.42 *	2.99 *
-11	5.00 *	4.93 *	5.65 *	6.32 *	6.90 *	7.32 *	6.77 *	8.89 *	8.24 *	2.90 *
-13	5.02 *	4.94 *	5.67 *	6.32 *	6.87 *	7.28 *	6.71 *	8.77 *	8.06 *	2.79 *
-15	5.02 *	4.94 *	5.65 *	6.29 *	6.81 *	7.20 *	6.63 *	8.64 *	7.86 *	2.69 *
-17	6.22 *	6.11 *	6.97 *	7.78 *	8.41 *	8.82 *	8.12 *	10.59 *	9.52 *	3.19 *
-19.5	7.38 *	7.25 *	8.27 *	9.21 *	9.90 *	10.30 *	9.46 *	12.35 *	10.93 *	3.58 *

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

LUMENS TABULATION - (Cont.)

-22.5	7.34 *	7.21 *	8.20 *	9.04 *	9.67 *	9.99 *	9.14 *	11.91 *	10.36 *	3.30 *
-25.5	8.47 *	8.28 *	9.39 *	10.31 *	10.95 *	11.30 *	10.27 *	13.28 *	11.27 *	3.44 *
-29	9.50 *	9.26 *	10.46 *	11.41 *	12.04 *	12.37 *	11.19 *	14.29 *	11.65 *	3.33 *
-33	10.60 *	10.27 *	11.49 *	12.41 *	13.05 *	13.27 *	11.97 *	15.00 *	11.46 *	3.02 *
-37.5	11.96 *	11.45 *	12.68 *	13.58 *	14.07 *	14.12 *	12.58 *	15.16 *	10.56 *	2.50
-42.5	11.78 *	11.21 *	12.31 *	12.99 *	13.31 *	13.23 *	11.46 *	12.93 *	8.06 *	1.68
-47.5	15.53 *	14.72 *	15.98 *	16.67 *	16.99 *	16.51 *	13.54 *	13.65 *	7.40 *	1.42
-55	13.96 *	13.01 *	13.75 *	13.82 *	13.32 *	11.91 *	8.78 *	7.65	3.68	0.82
-65	5.05	4.62	4.74	4.47	3.93	3.04	1.90	1.60	1.02	0.44
-75	0.85	0.82	0.91	1.00	1.06	1.08	0.95	1.16	0.96	0.40
-85	0.25	0.24	0.26	0.27	0.28	0.29	0.26	0.31	0.25	0.09
-90										
Total	437.93	423.24	472.05	510.06	533.96	539.25	476.68	580.86	472.43	149.07

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		22.58
85				
	0.16	0.00		279.93
75				
	0.29	0.01		602.51
65				
	0.47	0.01		749.37
55				
	0.53	0.01		569.96
47.5				
	0.49	0.01		368.87
42.5				
	0.62	0.01		347.34
37.5				
	0.63	0.01		292.25
33				
	0.62	0.01		245.17
29				
	0.58	0.01		205.25
25.5				
	0.52	0.00		170.12
22.5				
	0.53	0.00		165.43
19.5				
	0.45	0.00		134.67
17				
	0.37	0.00		105.88

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

LUMENS TABULATION - (Cont.)

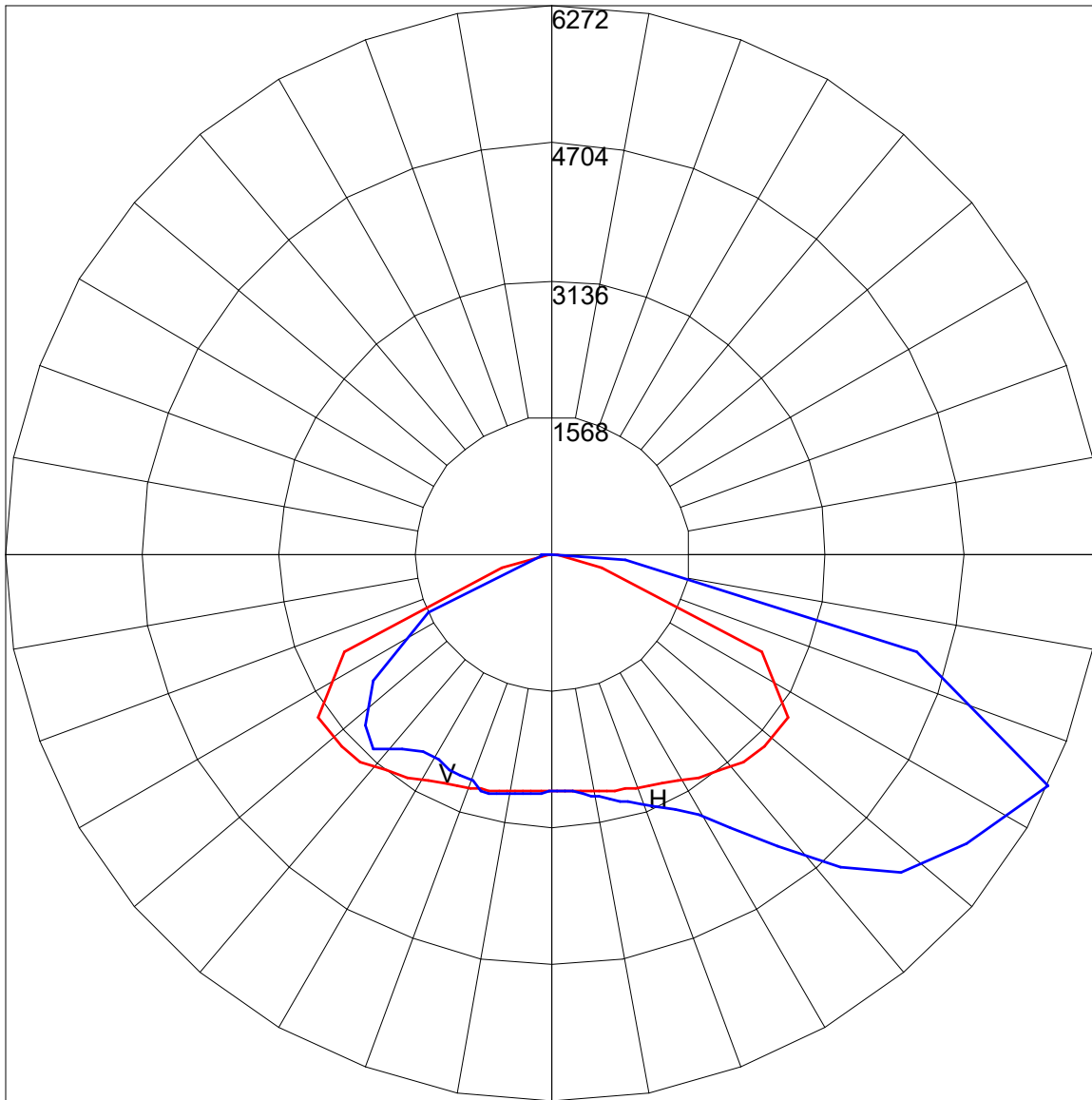
15	0.37	0.00	104.39
13	0.37	0.00	103.01
11	0.37	0.00	101.75
9	0.36	0.00	100.59
7	0.36	0.00	99.54
5	0.36	0.00	98.63
3	0.35	0.00	97.92
1	0.17	0.00	48.76
0	0.17	0.00	48.66
-1	0.33	0.00	97.13
-3	0.32	0.00	96.93
-5	0.31	0.00	96.82
-7	0.29	0.00	96.74
-9	0.28	0.00	96.67
-11	0.27	0.00	96.53
-13	0.25	0.00	96.22
-15	0.24	0.00	95.51
-17	0.28	0.00	117.41
-19.5	0.30	0.00	138.00
-22.5	0.27	0.00	135.32
-25.5	0.28	0.00	153.75
-29	0.26	0.00	170.04
-33	0.24	0.01	186.20
-37.5	0.21	0.01	204.08
-42.5	0.16	0.00	195.46
-47.5	0.18	0.01	249.64
-55	0.17	0.01	213.10
-65	0.13	0.00	74.28

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

LUMENS TABULATION - (Cont.)

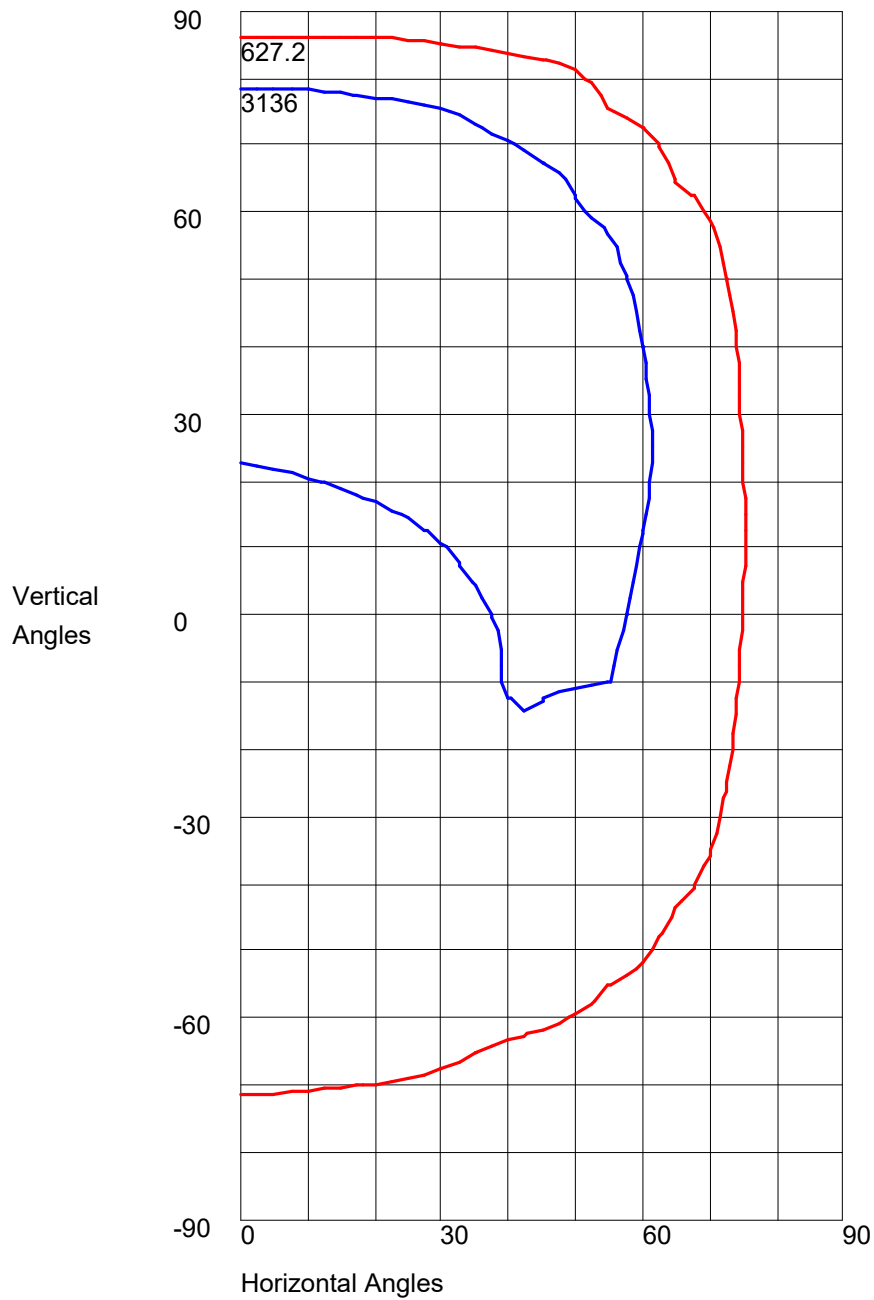
-75	0.09	0.00	14.80
-85	0.02	0.00	4.16
-90			
Total	14.05	0.19	7691.37

AXIAL CANDELA DISPLAY



Maximum Candela = 6272 Located At Horizontal Angle = -3, Vertical Angle = 65
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6272 Located At Horizontal Angle = -3, Vertical Angle = 65
50% Maximum Candela = 3136
10% Maximum Candela = 627.2