



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-PC-VWF-40-80-FGS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12561

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 03/05/21

[TESTDATE] 03/02/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-30L-PC-VWF-40-80-FGS

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Outdoor

[SEARCH\_COLORTEMP] 4000

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

### CHARACTERISTICS

NEMA Type	6 H x 7 V
Maximum Candela	3763
Maximum Candela Angle	0H -47.5V
Horizontal Beam Angle (50%)	88.9
Vertical Beam Angle (50%)	134.9
Horizontal Field Angle (10%)	117.4
Vertical Field Angle (10%)	148.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9441
Beam Efficiency	N.A.
Field Lumens	10661
Field Efficiency	N.A.
Spill Lumens	217
Luminaire Lumens	10878
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	19	85	117
75	115	75	168
65	329	65	2443
55	2522	55	3409
47.5	2591	47.5	3763
42.5	2857	42.5	3447
37.5	2865	37.5	3150
33	2838	33	3143
29	2818	29	3064
25.5	2824	25.5	3053
22.5	2847	22.5	3015
19.5	2857	19.5	3086
17	2857	17	3048
15	2910	15	3011
13	2904	13	2973
11	2887	11	2938
9	2866	9	2904
7	2843	7	2875
5	2821	5	2850
3	2801	3	2831
1	2801	1	2813
0	2804	0	2804
-1	2801	-1	2813
-3	2801	-3	2831
-5	2821	-5	2850
-7	2843	-7	2875
-9	2866	-9	2904
-11	2887	-11	2938
-13	2904	-13	2973
-15	2910	-15	3011
-17	2857	-17	3048
-19.5	2857	-19.5	3086
-22.5	2847	-22.5	3015
-25.5	2824	-25.5	3053
-29	2818	-29	3064
-33	2838	-33	3143
-37.5	2865	-37.5	3150
-42.5	2857	-42.5	3447
-47.5	2591	-47.5	3763
-55	2522	-55	3409
-65	329	-65	2443
-75	115	-75	168
-85	19	-85	117
-90	0	-90	0

**IES FLOOD REPORT**  
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**CANDELA TABULATION**

Maximum Candela = 3763

Beam Edge = 1881.5 Cd (50% of Max.)

Field Edge = 376.3 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>-90.0</b>	<b>-85.0</b>	<b>-75.0</b>	<b>-65.0</b>	<b>-55.0</b>	<b>-47.5</b>	<b>-42.5</b>	<b>-37.5</b>	<b>-33.0</b>	<b>-29.0</b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	2	10	45	93	123	138	142	145	146
<b>75.0</b>	0	6	19	38	66	79	91	96	100	115
<b>65.0</b>	0	9	28	57	100	163	331	674 *	1031 *	1300 *
<b>55.0</b>	0	12	43	99	204	862 *	1413 *	1846 *	2086 *	2258 *
<b>47.5</b>	0	14	55	138	516 *	1590 *	2064 *	2278 *	2509 *	2730 *
<b>42.5</b>	0	15	65	164	981 *	1925 *	2193 *	2395 *	2552 *	2763 *
<b>37.5</b>	0	16	75	190	1373 *	2137 *	2300 *	2466 *	2645 *	2790 *
<b>33.0</b>	0	16	82	206	1636 *	2349 *	2410 *	2625 *	2791 *	2866 *
<b>29.0</b>	0	17	89	215	1864 *	2446 *	2530 *	2766 *	2844 *	2993 *
<b>25.5</b>	0	17	95	224	2031 *	2517 *	2665 *	2846 *	2928 *	3012 *
<b>22.5</b>	0	18	99	294	2164 *	2576 *	2755 *	2894 *	2983 *	3029 *
<b>19.5</b>	0	18	103	356	2262 *	2611 *	2800 *	2928 *	3013 *	3024 *
<b>17.0</b>	0	18	106	392 *	2320 *	2643 *	2821 *	2937 *	3010 *	2998 *
<b>15.0</b>	0	18	108	413 *	2362 *	2664 *	2832 *	2938 *	2986 *	2965 *
<b>13.0</b>	0	19	110	426 *	2400 *	2672 *	2838 *	2927 *	2961 *	2950 *
<b>11.0</b>	0	19	111	432 *	2435 *	2669 *	2841 *	2909 *	2929 *	2923 *
<b>9.0</b>	0	19	113	425 *	2466 *	2657 *	2845 *	2891 *	2899 *	2885 *
<b>7.0</b>	0	19	114	411 *	2491 *	2637 *	2848 *	2879 *	2876 *	2858 *
<b>5.0</b>	0	19	115	392 *	2506 *	2616 *	2849 *	2871 *	2859 *	2841 *
<b>3.0</b>	0	19	115	371	2522 *	2605 *	2859 *	2867 *	2845 *	2824 *
<b>1.0</b>	0	19	115	343	2522 *	2596 *	2858 *	2867 *	2841 *	2820 *
<b>0.0</b>	0	19	115	329	2522 *	2591 *	2857 *	2865 *	2838 *	2818 *
<b>-1.0</b>	0	19	115	343	2522 *	2596 *	2858 *	2867 *	2841 *	2820 *
<b>-3.0</b>	0	19	115	371	2522 *	2605 *	2859 *	2867 *	2845 *	2824 *
<b>-5.0</b>	0	19	115	392 *	2506 *	2616 *	2849 *	2871 *	2859 *	2841 *
<b>-7.0</b>	0	19	114	411 *	2491 *	2637 *	2848 *	2879 *	2876 *	2858 *
<b>-9.0</b>	0	19	113	425 *	2466 *	2657 *	2845 *	2891 *	2899 *	2885 *
<b>-11.0</b>	0	19	111	432 *	2435 *	2669 *	2841 *	2909 *	2929 *	2923 *
<b>-13.0</b>	0	19	110	426 *	2400 *	2672 *	2838 *	2927 *	2961 *	2950 *
<b>-15.0</b>	0	18	108	413 *	2362 *	2664 *	2832 *	2938 *	2986 *	2965 *
<b>-17.0</b>	0	18	106	392 *	2320 *	2643 *	2821 *	2937 *	3010 *	2998 *
<b>-19.5</b>	0	18	103	356	2262 *	2611 *	2800 *	2928 *	3013 *	3024 *
<b>-22.5</b>	0	18	99	294	2164 *	2576 *	2755 *	2894 *	2983 *	3029 *
<b>-25.5</b>	0	17	95	224	2031 *	2517 *	2665 *	2846 *	2928 *	3012 *
<b>-29.0</b>	0	17	89	215	1864 *	2446 *	2530 *	2766 *	2844 *	2993 *
<b>-33.0</b>	0	16	82	206	1636 *	2349 *	2410 *	2625 *	2791 *	2866 *
<b>-37.5</b>	0	16	75	190	1373 *	2137 *	2300 *	2466 *	2645 *	2790 *
<b>-42.5</b>	0	15	65	164	981 *	1925 *	2193 *	2395 *	2552 *	2763 *
<b>-47.5</b>	0	14	55	138	516 *	1590 *	2064 *	2278 *	2509 *	2730 *
<b>-55.0</b>	0	12	43	99	204	862 *	1413 *	1846 *	2086 *	2258 *
<b>-65.0</b>	0	9	28	57	100	163	331	674 *	1031 *	1300 *
<b>-75.0</b>	0	6	19	38	66	79	91	96	100	115
<b>-85.0</b>	0	2	10	45	93	123	138	142	145	146
<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	1	1	1	0	0	0	0	0
85.0	145	142	138	134	131	127	122	118	113	109
75.0	125	134	144	151	156	158	161	163	165	167
65.0	1485 *	1610 *	1766 *	1894 *	1993 *	2085 *	2164 *	2232 *	2290 *	2338 *
55.0	2452 *	2632 *	2800 *	2916 *	3012 *	3109 *	3181 *	3242 *	3301 *	3357 *
47.5	2941 *	3064 *	3215 *	3348 *	3442 *	3535 *	3621 *	3648 *	3681 *	3719 *
42.5	2853 *	2998 *	3139 *	3224 *	3277 *	3328 *	3380 *	3405 *	3418 *	3434 *
37.5	2905 *	2975 *	3034 *	3066 *	3094 *	3162 *	3203 *	3220 *	3204 *	3181 *
33.0	2979 *	3024 *	3101 *	3157 *	3181 *	3193 *	3209 *	3212 *	3193 *	3171 *
29.0	2997 *	3054 *	3094 *	3132 *	3148 *	3167 *	3171 *	3169 *	3152 *	3113 *
25.5	3040 *	3059 *	3092 *	3095 *	3121 *	3141 *	3143 *	3126 *	3103 *	3081 *
22.5	3045 *	3060 *	3089 *	3110 *	3121 *	3129 *	3122 *	3120 *	3105 *	3083 *
19.5	3052 *	3068 *	3105 *	3110 *	3127 *	3157 *	3164 *	3151 *	3125 *	3110 *
17.0	3033 *	3050 *	3071 *	3085 *	3108 *	3124 *	3127 *	3109 *	3091 *	3072 *
15.0	3007 *	3017 *	3043 *	3051 *	3075 *	3090 *	3087 *	3072 *	3055 *	3036 *
13.0	2968 *	2979 *	3003 *	3012 *	3035 *	3056 *	3050 *	3034 *	3016 *	2999 *
11.0	2936 *	2938 *	2975 *	2973 *	3003 *	3020 *	3013 *	2995 *	2978 *	2962 *
9.0	2909 *	2915 *	2941 *	2945 *	2976 *	2988 *	2978 *	2960 *	2942 *	2925 *
7.0	2878 *	2895 *	2912 *	2919 *	2947 *	2964 *	2949 *	2930 *	2910 *	2892 *
5.0	2856 *	2882 *	2889 *	2882 *	2928 *	2939 *	2925 *	2903 *	2882 *	2863 *
3.0	2838 *	2866 *	2872 *	2868 *	2921 *	2919 *	2903 *	2883 *	2861 *	2842 *
1.0	2827 *	2852 *	2860 *	2860 *	2914 *	2906 *	2890 *	2869 *	2847 *	2824 *
0.0	2824 *	2847 *	2857 *	2857 *	2910 *	2904 *	2887 *	2866 *	2843 *	2821 *
-1.0	2827 *	2852 *	2860 *	2860 *	2914 *	2906 *	2890 *	2869 *	2847 *	2824 *
-3.0	2838 *	2866 *	2872 *	2868 *	2921 *	2919 *	2903 *	2883 *	2861 *	2842 *
-5.0	2856 *	2882 *	2889 *	2882 *	2928 *	2939 *	2925 *	2903 *	2882 *	2863 *
-7.0	2878 *	2895 *	2912 *	2919 *	2947 *	2964 *	2949 *	2930 *	2910 *	2892 *
-9.0	2909 *	2915 *	2941 *	2945 *	2976 *	2988 *	2978 *	2960 *	2942 *	2925 *
-11.0	2936 *	2938 *	2975 *	2973 *	3003 *	3020 *	3013 *	2995 *	2978 *	2962 *
-13.0	2968 *	2979 *	3003 *	3012 *	3035 *	3056 *	3050 *	3034 *	3016 *	2999 *
-15.0	3007 *	3017 *	3043 *	3051 *	3075 *	3090 *	3087 *	3072 *	3055 *	3036 *
-17.0	3033 *	3050 *	3071 *	3085 *	3108 *	3124 *	3127 *	3109 *	3091 *	3072 *
-19.5	3052 *	3068 *	3105 *	3110 *	3127 *	3157 *	3164 *	3151 *	3125 *	3110 *
-22.5	3045 *	3060 *	3089 *	3110 *	3121 *	3129 *	3122 *	3120 *	3105 *	3083 *
-25.5	3040 *	3059 *	3092 *	3095 *	3121 *	3141 *	3143 *	3126 *	3103 *	3081 *
-29.0	2997 *	3054 *	3094 *	3132 *	3148 *	3167 *	3171 *	3169 *	3152 *	3113 *
-33.0	2979 *	3024 *	3101 *	3157 *	3181 *	3193 *	3209 *	3212 *	3193 *	3171 *
-37.5	2905 *	2975 *	3034 *	3066 *	3094 *	3162 *	3203 *	3220 *	3204 *	3181 *
-42.5	2853 *	2998 *	3139 *	3224 *	3277 *	3328 *	3380 *	3405 *	3418 *	3434 *
-47.5	2941 *	3064 *	3215 *	3348 *	3442 *	3535 *	3621 *	3648 *	3681 *	3719 *
-55.0	2452 *	2632 *	2800 *	2916 *	3012 *	3109 *	3181 *	3242 *	3301 *	3357 *
-65.0	1485 *	1610 *	1766 *	1894 *	1993 *	2085 *	2164 *	2232 *	2290 *	2338 *
-75.0	125	134	144	151	156	158	161	163	165	167
-85.0	145	142	138	134	131	127	122	118	113	109
-90.0	0	0	1	1	1	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	112	115	117	115	112	109	113	118	122	127
75.0	167	168	168	168	167	167	165	163	161	158
65.0	2395 *	2427 *	2443 *	2427 *	2395 *	2338 *	2290 *	2232 *	2164 *	2085 *

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**CANDELA TABULATION - (Cont.)**

55.0	3398 *	3405 *	3409 *	3405 *	3398 *	3357 *	3301 *	3242 *	3181 *	3109 *
47.5	3752 *	3759 *	3763 *	3759 *	3752 *	3719 *	3681 *	3648 *	3621 *	3535 *
42.5	3443 *	3446 *	3447 *	3446 *	3443 *	3434 *	3418 *	3405 *	3380 *	3328 *
37.5	3156 *	3150 *	3150 *	3150 *	3156 *	3181 *	3204 *	3220 *	3203 *	3162 *
33.0	3153 *	3144 *	3143 *	3144 *	3153 *	3171 *	3193 *	3212 *	3209 *	3193 *
29.0	3082 *	3069 *	3064 *	3069 *	3082 *	3113 *	3152 *	3169 *	3171 *	3167 *
25.5	3064 *	3055 *	3053 *	3055 *	3064 *	3081 *	3103 *	3126 *	3143 *	3141 *
22.5	3053 *	3024 *	3015 *	3024 *	3053 *	3083 *	3105 *	3120 *	3122 *	3129 *
19.5	3096 *	3087 *	3086 *	3087 *	3096 *	3110 *	3125 *	3151 *	3164 *	3157 *
17.0	3058 *	3050 *	3048 *	3050 *	3058 *	3072 *	3091 *	3109 *	3127 *	3124 *
15.0	3021 *	3012 *	3011 *	3012 *	3021 *	3036 *	3055 *	3072 *	3087 *	3090 *
13.0	2982 *	2974 *	2973 *	2974 *	2982 *	2999 *	3016 *	3034 *	3050 *	3056 *
11.0	2944 *	2937 *	2938 *	2937 *	2944 *	2962 *	2978 *	2995 *	3013 *	3020 *
9.0	2910 *	2903 *	2904 *	2903 *	2910 *	2925 *	2942 *	2960 *	2978 *	2988 *
7.0	2880 *	2872 *	2875 *	2872 *	2880 *	2892 *	2910 *	2930 *	2949 *	2964 *
5.0	2851 *	2844 *	2850 *	2844 *	2851 *	2863 *	2882 *	2903 *	2925 *	2939 *
3.0	2826 *	2825 *	2831 *	2825 *	2826 *	2842 *	2861 *	2883 *	2903 *	2919 *
1.0	2809 *	2807 *	2813 *	2807 *	2809 *	2824 *	2847 *	2869 *	2890 *	2906 *
0.0	2801 *	2801 *	2804 *	2801 *	2801 *	2821 *	2843 *	2866 *	2887 *	2904 *
-1.0	2809 *	2807 *	2813 *	2807 *	2809 *	2824 *	2847 *	2869 *	2890 *	2906 *
-3.0	2826 *	2825 *	2831 *	2825 *	2826 *	2842 *	2861 *	2883 *	2903 *	2919 *
-5.0	2851 *	2844 *	2850 *	2844 *	2851 *	2863 *	2882 *	2903 *	2925 *	2939 *
-7.0	2880 *	2872 *	2875 *	2872 *	2880 *	2892 *	2910 *	2930 *	2949 *	2964 *
-9.0	2910 *	2903 *	2904 *	2903 *	2910 *	2925 *	2942 *	2960 *	2978 *	2988 *
-11.0	2944 *	2937 *	2938 *	2937 *	2944 *	2962 *	2978 *	2995 *	3013 *	3020 *
-13.0	2982 *	2974 *	2973 *	2974 *	2982 *	2999 *	3016 *	3034 *	3050 *	3056 *
-15.0	3021 *	3012 *	3011 *	3012 *	3021 *	3036 *	3055 *	3072 *	3087 *	3090 *
-17.0	3058 *	3050 *	3048 *	3050 *	3058 *	3072 *	3091 *	3109 *	3127 *	3124 *
-19.5	3096 *	3087 *	3086 *	3087 *	3096 *	3110 *	3125 *	3151 *	3164 *	3157 *
-22.5	3053 *	3024 *	3015 *	3024 *	3053 *	3083 *	3105 *	3120 *	3122 *	3129 *
-25.5	3064 *	3055 *	3053 *	3055 *	3064 *	3081 *	3103 *	3126 *	3143 *	3141 *
-29.0	3082 *	3069 *	3064 *	3069 *	3082 *	3113 *	3152 *	3169 *	3171 *	3167 *
-33.0	3153 *	3144 *	3143 *	3144 *	3153 *	3171 *	3193 *	3212 *	3209 *	3193 *
-37.5	3156 *	3150 *	3150 *	3150 *	3156 *	3181 *	3204 *	3220 *	3203 *	3162 *
-42.5	3443 *	3446 *	3447 *	3446 *	3443 *	3434 *	3418 *	3405 *	3380 *	3328 *
-47.5	3752 *	3759 *	3763 *	3759 *	3752 *	3719 *	3681 *	3648 *	3621 *	3535 *
-55.0	3398 *	3405 *	3409 *	3405 *	3398 *	3357 *	3301 *	3242 *	3181 *	3109 *
-65.0	2395 *	2427 *	2443 *	2427 *	2395 *	2338 *	2290 *	2232 *	2164 *	2085 *
-75.0	167	168	168	168	167	167	165	163	161	158
-85.0	112	115	117	115	112	109	113	118	122	127
-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	0	0	0	0	0	0	0
85.0	131	134	138	142	145	146	145	142	138	123
75.0	156	151	144	134	125	115	100	96	91	79
65.0	1993 *	1894 *	1766 *	1610 *	1485 *	1300 *	1031 *	674 *	331	163
55.0	3012 *	2916 *	2800 *	2632 *	2452 *	2258 *	2086 *	1846 *	1413 *	862 *
47.5	3442 *	3348 *	3215 *	3064 *	2941 *	2730 *	2509 *	2278 *	2064 *	1590 *
42.5	3277 *	3224 *	3139 *	2998 *	2853 *	2763 *	2552 *	2395 *	2193 *	1925 *
37.5	3094 *	3066 *	3034 *	2975 *	2905 *	2790 *	2645 *	2466 *	2300 *	2137 *
33.0	3181 *	3157 *	3101 *	3024 *	2979 *	2866 *	2791 *	2625 *	2410 *	2349 *
29.0	3148 *	3132 *	3094 *	3054 *	2997 *	2993 *	2844 *	2766 *	2530 *	2446 *
25.5	3121 *	3095 *	3092 *	3059 *	3040 *	3012 *	2928 *	2846 *	2665 *	2517 *

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**CANDELA TABULATION - (Cont.)**

22.5	3121 *	3110 *	3089 *	3060 *	3045 *	3029 *	2983 *	2894 *	2755 *	2576 *
19.5	3127 *	3110 *	3105 *	3068 *	3052 *	3024 *	3013 *	2928 *	2800 *	2611 *
17.0	3108 *	3085 *	3071 *	3050 *	3033 *	2998 *	3010 *	2937 *	2821 *	2643 *
15.0	3075 *	3051 *	3043 *	3017 *	3007 *	2965 *	2986 *	2938 *	2832 *	2664 *
13.0	3035 *	3012 *	3003 *	2979 *	2968 *	2950 *	2961 *	2927 *	2838 *	2672 *
11.0	3003 *	2973 *	2975 *	2938 *	2936 *	2923 *	2929 *	2909 *	2841 *	2669 *
9.0	2976 *	2945 *	2941 *	2915 *	2909 *	2885 *	2899 *	2891 *	2845 *	2657 *
7.0	2947 *	2919 *	2912 *	2895 *	2878 *	2858 *	2876 *	2879 *	2848 *	2637 *
5.0	2928 *	2882 *	2889 *	2882 *	2856 *	2841 *	2859 *	2871 *	2849 *	2616 *
3.0	2921 *	2868 *	2872 *	2866 *	2838 *	2824 *	2845 *	2867 *	2859 *	2605 *
1.0	2914 *	2860 *	2860 *	2852 *	2827 *	2820 *	2841 *	2867 *	2858 *	2596 *
0.0	2910 *	2857 *	2857 *	2847 *	2824 *	2818 *	2838 *	2865 *	2857 *	2591 *
-1.0	2914 *	2860 *	2860 *	2852 *	2827 *	2820 *	2841 *	2867 *	2858 *	2596 *
-3.0	2921 *	2868 *	2872 *	2866 *	2838 *	2824 *	2845 *	2867 *	2859 *	2605 *
-5.0	2928 *	2882 *	2889 *	2882 *	2856 *	2841 *	2859 *	2871 *	2849 *	2616 *
-7.0	2947 *	2919 *	2912 *	2895 *	2878 *	2858 *	2876 *	2879 *	2848 *	2637 *
-9.0	2976 *	2945 *	2941 *	2915 *	2909 *	2885 *	2899 *	2891 *	2845 *	2657 *
-11.0	3003 *	2973 *	2975 *	2938 *	2936 *	2923 *	2929 *	2909 *	2841 *	2669 *
-13.0	3035 *	3012 *	3003 *	2979 *	2968 *	2950 *	2961 *	2927 *	2838 *	2672 *
-15.0	3075 *	3051 *	3043 *	3017 *	3007 *	2965 *	2986 *	2938 *	2832 *	2664 *
-17.0	3108 *	3085 *	3071 *	3050 *	3033 *	2998 *	3010 *	2937 *	2821 *	2643 *
-19.5	3127 *	3110 *	3105 *	3068 *	3052 *	3024 *	3013 *	2928 *	2800 *	2611 *
-22.5	3121 *	3110 *	3089 *	3060 *	3045 *	3029 *	2983 *	2894 *	2755 *	2576 *
-25.5	3121 *	3095 *	3092 *	3059 *	3040 *	3012 *	2928 *	2846 *	2665 *	2517 *
-29.0	3148 *	3132 *	3094 *	3054 *	2997 *	2993 *	2844 *	2766 *	2530 *	2446 *
-33.0	3181 *	3157 *	3101 *	3024 *	2979 *	2866 *	2791 *	2625 *	2410 *	2349 *
-37.5	3094 *	3066 *	3034 *	2975 *	2905 *	2790 *	2645 *	2466 *	2300 *	2137 *
-42.5	3277 *	3224 *	3139 *	2998 *	2853 *	2763 *	2552 *	2395 *	2193 *	1925 *
-47.5	3442 *	3348 *	3215 *	3064 *	2941 *	2730 *	2509 *	2278 *	2064 *	1590 *
-55.0	3012 *	2916 *	2800 *	2632 *	2452 *	2258 *	2086 *	1846 *	1413 *	862 *
-65.0	1993 *	1894 *	1766 *	1610 *	1485 *	1300 *	1031 *	674 *	331	163
-75.0	156	151	144	134	125	115	100	96	91	79
-85.0	131	134	138	142	145	146	145	142	138	123
-90.0	1	1	1	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	93	45	10	2	0
75.0	66	38	19	6	0
65.0	100	57	28	9	0
55.0	204	99	43	12	0
47.5	516 *	138	55	14	0
42.5	981 *	164	65	15	0
37.5	1373 *	190	75	16	0
33.0	1636 *	206	82	16	0
29.0	1864 *	215	89	17	0
25.5	2031 *	224	95	17	0
22.5	2164 *	294	99	18	0
19.5	2262 *	356	103	18	0
17.0	2320 *	392 *	106	18	0
15.0	2362 *	413 *	108	18	0
13.0	2400 *	426 *	110	19	0
11.0	2435 *	432 *	111	19	0
9.0	2466 *	425 *	113	19	0

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

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	2491 *	411 *	114	19	0
<b>5.0</b>	2506 *	392 *	115	19	0
<b>3.0</b>	2522 *	371	115	19	0
<b>1.0</b>	2522 *	343	115	19	0
<b>0.0</b>	2522 *	329	115	19	0
<b>-1.0</b>	2522 *	343	115	19	0
<b>-3.0</b>	2522 *	371	115	19	0
<b>-5.0</b>	2506 *	392 *	115	19	0
<b>-7.0</b>	2491 *	411 *	114	19	0
<b>-9.0</b>	2466 *	425 *	113	19	0
<b>-11.0</b>	2435 *	432 *	111	19	0
<b>-13.0</b>	2400 *	426 *	110	19	0
<b>-15.0</b>	2362 *	413 *	108	18	0
<b>-17.0</b>	2320 *	392 *	106	18	0
<b>-19.5</b>	2262 *	356	103	18	0
<b>-22.5</b>	2164 *	294	99	18	0
<b>-25.5</b>	2031 *	224	95	17	0
<b>-29.0</b>	1864 *	215	89	17	0
<b>-33.0</b>	1636 *	206	82	16	0
<b>-37.5</b>	1373 *	190	75	16	0
<b>-42.5</b>	981 *	164	65	15	0
<b>-47.5</b>	516 *	138	55	14	0
<b>-55.0</b>	204	99	43	12	0
<b>-65.0</b>	100	57	28	9	0
<b>-75.0</b>	66	38	19	6	0
<b>-85.0</b>	93	45	10	2	0
<b>-90.0</b>	0	0	0	0	0

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

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5438.8

Total Field Lumens (one side of beam only) = 5330.33

\* 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	0.09	0.17	0.17	0.17	0.17	0.17	0.18	0.19	0.19	0.20
75	0.43	0.86	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.84
65	3.96 *	7.85 *	7.70 *	7.51 *	7.31 *	7.08 *	6.81 *	6.49 *	6.14 *	7.15 *
55	8.90 *	17.69 *	17.45 *	17.09 *	16.69 *	16.23 *	15.70 *	15.07 *	14.37 *	16.95 *
47.5	8.19 *	16.34 *	16.21 *	15.97 *	15.69 *	15.40 *	15.02 *	14.52 *	13.96 *	16.65 *
42.5	5.49 *	10.96 *	10.90 *	10.79 *	10.67 *	10.54 *	10.33 *	10.04 *	9.73 *	11.68 *
37.5	5.02 *	10.04 *	10.04 *	10.02 *	9.99 *	9.91 *	9.74 *	9.50 *	9.27 *	11.27 *
33	4.31 *	8.63 *	8.66 *	8.69 *	8.71 *	8.67 *	8.56 *	8.40 *	8.23 *	10.05 *
29	3.78 *	7.58 *	7.61 *	7.65 *	7.68 *	7.66 *	7.59 *	7.50 *	7.39 *	9.03 *
25.5	3.26 *	6.54 *	6.56 *	6.60 *	6.62 *	6.62 *	6.58 *	6.51 *	6.40 *	7.85 *
22.5	2.78 *	5.57 *	5.60 *	5.62 *	5.63 *	5.63 *	5.60 *	5.55 *	5.47 *	6.72 *
19.5	2.79 *	5.60 *	5.63 *	5.65 *	5.66 *	5.65 *	5.62 *	5.56 *	5.48 *	6.73 *
17	2.34 *	4.68 *	4.69 *	4.69 *	4.70 *	4.71 *	4.68 *	4.62 *	4.55 *	5.59 *
15	1.85 *	3.70 *	3.70 *	3.71 *	3.72 *	3.72 *	3.70 *	3.66 *	3.61 *	4.43 *
13	1.82 *	3.65 *	3.66 *	3.67 *	3.67 *	3.67 *	3.66 *	3.62 *	3.56 *	4.38 *
11	1.80 *	3.60 *	3.61 *	3.62 *	3.63 *	3.63 *	3.62 *	3.58 *	3.52 *	4.33 *
9	1.78 *	3.56 *	3.57 *	3.58 *	3.58 *	3.58 *	3.58 *	3.54 *	3.48 *	4.28 *
7	1.76 *	3.52 *	3.53 *	3.53 *	3.54 *	3.54 *	3.54 *	3.51 *	3.45 *	4.24 *
5	1.74 *	3.48 *	3.49 *	3.50 *	3.51 *	3.51 *	3.51 *	3.48 *	3.42 *	4.20 *
3	1.73 *	3.45 *	3.46 *	3.47 *	3.48 *	3.48 *	3.48 *	3.46 *	3.40 *	4.16 *
1	1.72 *	3.43 *	3.43 *	3.45 *	3.46 *	3.46 *	3.46 *	3.45 *	3.39 *	4.14 *
0	0.85 *	1.71 *	1.71 *	1.72 *	1.72 *	1.73 *	1.73 *	1.72 *	1.69 *	2.07 *
-1	0.85 *	1.71 *	1.71 *	1.72 *	1.72 *	1.73 *	1.73 *	1.72 *	1.69 *	2.07 *
	1.72 *	3.43 *	3.43 *	3.45 *	3.46 *	3.46 *	3.46 *	3.45 *	3.39 *	4.14 *



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

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	1.73 *	3.45 *	3.46 *	3.47 *	3.48 *	3.48 *	3.48 *	3.46 *	3.40 *	4.16 *
<b>-5</b>	1.74 *	3.48 *	3.49 *	3.50 *	3.51 *	3.51 *	3.51 *	3.48 *	3.42 *	4.20 *
<b>-7</b>	1.76 *	3.52 *	3.53 *	3.53 *	3.54 *	3.54 *	3.54 *	3.51 *	3.45 *	4.24 *
<b>-9</b>	1.78 *	3.56 *	3.57 *	3.58 *	3.58 *	3.58 *	3.58 *	3.54 *	3.48 *	4.28 *
<b>-11</b>	1.80 *	3.60 *	3.61 *	3.62 *	3.63 *	3.63 *	3.62 *	3.58 *	3.52 *	4.33 *
<b>-13</b>	1.82 *	3.65 *	3.66 *	3.67 *	3.67 *	3.67 *	3.66 *	3.62 *	3.56 *	4.38 *
<b>-15</b>	1.85 *	3.70 *	3.70 *	3.71 *	3.72 *	3.72 *	3.70 *	3.66 *	3.61 *	4.43 *
<b>-17</b>	2.34 *	4.68 *	4.69 *	4.69 *	4.70 *	4.71 *	4.68 *	4.62 *	4.55 *	5.59 *
<b>-19.5</b>	2.79 *	5.60 *	5.63 *	5.65 *	5.66 *	5.65 *	5.62 *	5.56 *	5.48 *	6.73 *
<b>-22.5</b>	2.78 *	5.57 *	5.60 *	5.62 *	5.63 *	5.63 *	5.60 *	5.55 *	5.47 *	6.72 *
<b>-25.5</b>	3.26 *	6.54 *	6.56 *	6.60 *	6.62 *	6.62 *	6.58 *	6.51 *	6.40 *	7.85 *
<b>-29</b>	3.78 *	7.58 *	7.61 *	7.65 *	7.68 *	7.66 *	7.59 *	7.50 *	7.39 *	9.03 *
<b>-33</b>	4.31 *	8.63 *	8.66 *	8.69 *	8.71 *	8.67 *	8.56 *	8.40 *	8.23 *	10.05 *
<b>-37.5</b>	5.02 *	10.04 *	10.04 *	10.02 *	9.99 *	9.91 *	9.74 *	9.50 *	9.27 *	11.27 *
<b>-42.5</b>	5.49 *	10.96 *	10.90 *	10.79 *	10.67 *	10.54 *	10.33 *	10.04 *	9.73 *	11.68 *
<b>-47.5</b>	8.19 *	16.34 *	16.21 *	15.97 *	15.69 *	15.40 *	15.02 *	14.52 *	13.96 *	16.65 *
<b>-55</b>	8.90 *	17.69 *	17.45 *	17.09 *	16.69 *	16.23 *	15.70 *	15.07 *	14.37 *	16.95 *
<b>-65</b>	3.96 *	7.85 *	7.70 *	7.51 *	7.31 *	7.08 *	6.81 *	6.49 *	6.14 *	7.15 *
<b>-75</b>	0.43	0.86	0.84	0.84	0.84	0.85	0.85	0.85	0.84	1.03
<b>-85</b>	0.09	0.17	0.17	0.17	0.17	0.18	0.19	0.19	0.20	0.25
<b>-90</b>										
<b>Total</b>	132.79	265.22	264.41	263.09	261.36	258.88	255.06	249.62	243.08	294.35

**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>	0.30	0.30	0.34	0.38	0.40	0.41	0.35	0.39	0.26	0.07
<b>85</b>	1.19	1.14	1.26	1.32	1.35	1.36	1.16	1.29	0.92	0.29
<b>75</b>	7.79 *	7.00 *	7.17 *	6.65 *	5.32 *	3.48	1.79	1.46	0.99	0.37
<b>65</b>	18.78 *	17.07 *	17.76 *	17.43 *	15.77 *	12.43 *	7.45 *	4.75	1.75	0.59
<b>55</b>	18.73 *	17.36 *	18.45 *	18.76 *	18.30 *	16.62 *	11.97 *	8.50 *	2.73	0.65

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

<b>47.5</b>	13.24 *	12.37 *	13.37 *	13.78 *	13.62 *	13.02 *	10.46 *	8.95 *	3.42 *	0.55
<b>42.5</b>	12.95 *	12.24 *	13.40 *	14.03 *	14.07 *	13.64 *	11.51 *	11.46 *	5.15 *	0.64
<b>37.5</b>	11.64 *	11.16 *	12.30 *	13.03 *	13.25 *	12.86 *	11.14 *	12.05 *	5.83 *	0.65
<b>33</b>	10.47 *	10.06 *	11.22 *	12.00 *	12.34 *	12.05 *	10.48 *	11.85 *	5.96 *	0.62
<b>29</b>	9.18 *	8.87 *	9.99 *	10.76 *	11.15 *	11.03 *	9.57 *	11.08 *	5.77 *	0.57
<b>25.5</b>	7.87 *	7.64 *	8.62 *	9.36 *	9.78 *	9.76 *	8.49 *	9.95 *	5.38 *	0.56
<b>22.5</b>	7.88 *	7.65 *	8.64 *	9.44 *	9.92 *	9.95 *	8.67 *	10.30 *	5.79 *	0.66
<b>19.5</b>	6.55 *	6.37 *	7.17 *	7.86 *	8.32 *	8.37 *	7.32 *	8.78 *	5.07 *	0.62
<b>17</b>	5.20 *	5.05 *	5.69 *	6.24 *	6.64 *	6.72 *	5.90 *	7.14 *	4.17 *	0.53
<b>15</b>	5.14 *	5.00 *	5.63 *	6.19 *	6.61 *	6.73 *	5.92 *	7.21 *	4.26 *	0.55
<b>13</b>	5.07 *	4.93 *	5.58 *	6.14 *	6.56 *	6.72 *	5.93 *	7.27 *	4.33 *	0.56
<b>11</b>	5.02 *	4.88 *	5.52 *	6.08 *	6.51 *	6.70 *	5.93 *	7.31 *	4.38 *	0.56
<b>9</b>	4.97 *	4.84 *	5.46 *	6.01 *	6.46 *	6.69 *	5.91 *	7.32 *	4.41 *	0.55
<b>7</b>	4.94 *	4.80 *	5.42 *	5.97 *	6.43 *	6.68 *	5.89 *	7.32 *	4.41 *	0.54
<b>5</b>	4.91 *	4.78 *	5.38 *	5.94 *	6.40 *	6.68 *	5.88 *	7.32 *	4.40 *	0.52
<b>3</b>	4.88 *	4.75 *	5.36 *	5.92 *	6.39 *	6.68 *	5.88 *	7.32 *	4.38 *	0.49
<b>1</b>	2.43 *	2.37 *	2.67 *	2.95 *	3.19 *	3.34 *	2.93 *	3.65 *	2.17 *	0.23
<b>0</b>	2.43 *	2.37 *	2.67 *	2.95 *	3.19 *	3.34 *	2.93 *	3.65 *	2.17 *	0.23
<b>-1</b>	4.88 *	4.75 *	5.36 *	5.92 *	6.39 *	6.68 *	5.88 *	7.32 *	4.38 *	0.49
<b>-3</b>	4.91 *	4.78 *	5.38 *	5.94 *	6.40 *	6.68 *	5.88 *	7.32 *	4.40 *	0.52
<b>-5</b>	4.94 *	4.80 *	5.42 *	5.97 *	6.43 *	6.68 *	5.89 *	7.32 *	4.41 *	0.54
<b>-7</b>	4.97 *	4.84 *	5.46 *	6.01 *	6.46 *	6.69 *	5.91 *	7.32 *	4.41 *	0.55
<b>-9</b>	5.02 *	4.88 *	5.52 *	6.08 *	6.51 *	6.70 *	5.93 *	7.31 *	4.38 *	0.56
<b>-11</b>	5.07 *	4.93 *	5.58 *	6.14 *	6.56 *	6.72 *	5.93 *	7.27 *	4.33 *	0.56
<b>-13</b>	5.14 *	5.00 *	5.63 *	6.19 *	6.61 *	6.73 *	5.92 *	7.21 *	4.26 *	0.55
<b>-15</b>	5.20 *	5.05 *	5.69 *	6.24 *	6.64 *	6.72 *	5.90 *	7.14 *	4.17 *	0.53
<b>-17</b>	6.55 *	6.37 *	7.17 *	7.86 *	8.32 *	8.37 *	7.32 *	8.78 *	5.07 *	0.62
<b>-19.5</b>	7.88 *	7.65 *	8.64 *	9.44 *	9.92 *	9.95 *	8.67 *	10.30 *	5.79 *	0.66

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

<b>-22.5</b>	7.87 *	7.64 *	8.62 *	9.36 *	9.78 *	9.76 *	8.49 *	9.95 *	5.38 *	0.56
<b>-25.5</b>	9.18 *	8.87 *	9.99 *	10.76 *	11.15 *	11.03 *	9.57 *	11.08 *	5.77 *	0.57
<b>-29</b>	10.47 *	10.06 *	11.22 *	12.00 *	12.34 *	12.05 *	10.48 *	11.85 *	5.96 *	0.62
<b>-33</b>	11.64 *	11.16 *	12.30 *	13.03 *	13.25 *	12.86 *	11.14 *	12.05 *	5.83 *	0.65
<b>-37.5</b>	12.95 *	12.24 *	13.40 *	14.03 *	14.07 *	13.64 *	11.51 *	11.46 *	5.15 *	0.64
<b>-42.5</b>	13.24 *	12.37 *	13.37 *	13.78 *	13.62 *	13.02 *	10.46 *	8.95 *	3.42 *	0.55
<b>-47.5</b>	18.73 *	17.36 *	18.45 *	18.76 *	18.30 *	16.62 *	11.97 *	8.50 *	2.73	0.65
<b>-55</b>	18.78 *	17.07 *	17.76 *	17.43 *	15.77 *	12.43 *	7.45 *	4.75	1.75	0.59
<b>-65</b>	7.79 *	7.00 *	7.17 *	6.65 *	5.32 *	3.48	1.79	1.46	0.99	0.37
<b>-75</b>	1.19	1.14	1.26	1.32	1.35	1.36	1.16	1.29	0.92	0.29
<b>-85</b>	0.30	0.30	0.34	0.38	0.40	0.41	0.35	0.39	0.26	0.07
<b>-90</b>										
<b>Total</b>	338.31	321.27	352.79	372.47	377.55	363.81	301.11	325.38	171.87	22.75

<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>				
	0.01	0.00		4.98
<b>85</b>				
	0.05	0.00		19.55
<b>75</b>				
	0.08	0.00		110.10
<b>65</b>				
	0.12	0.00		270.05
<b>55</b>				
	0.12	0.00		280.15
<b>47.5</b>				
	0.10	0.00		204.00
<b>42.5</b>				
	0.11	0.00		204.01
<b>37.5</b>				
	0.11	0.00		186.94
<b>33</b>				
	0.11	0.00		170.63
<b>29</b>				
	0.10	0.00		151.61
<b>25.5</b>				
	0.09	0.00		131.66
<b>22.5</b>				
	0.09	0.00		133.36
<b>19.5</b>				
	0.08	0.00		111.77
<b>17</b>				
	0.07	0.00		89.15

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

**LUMENS TABULATION - (Cont.)**

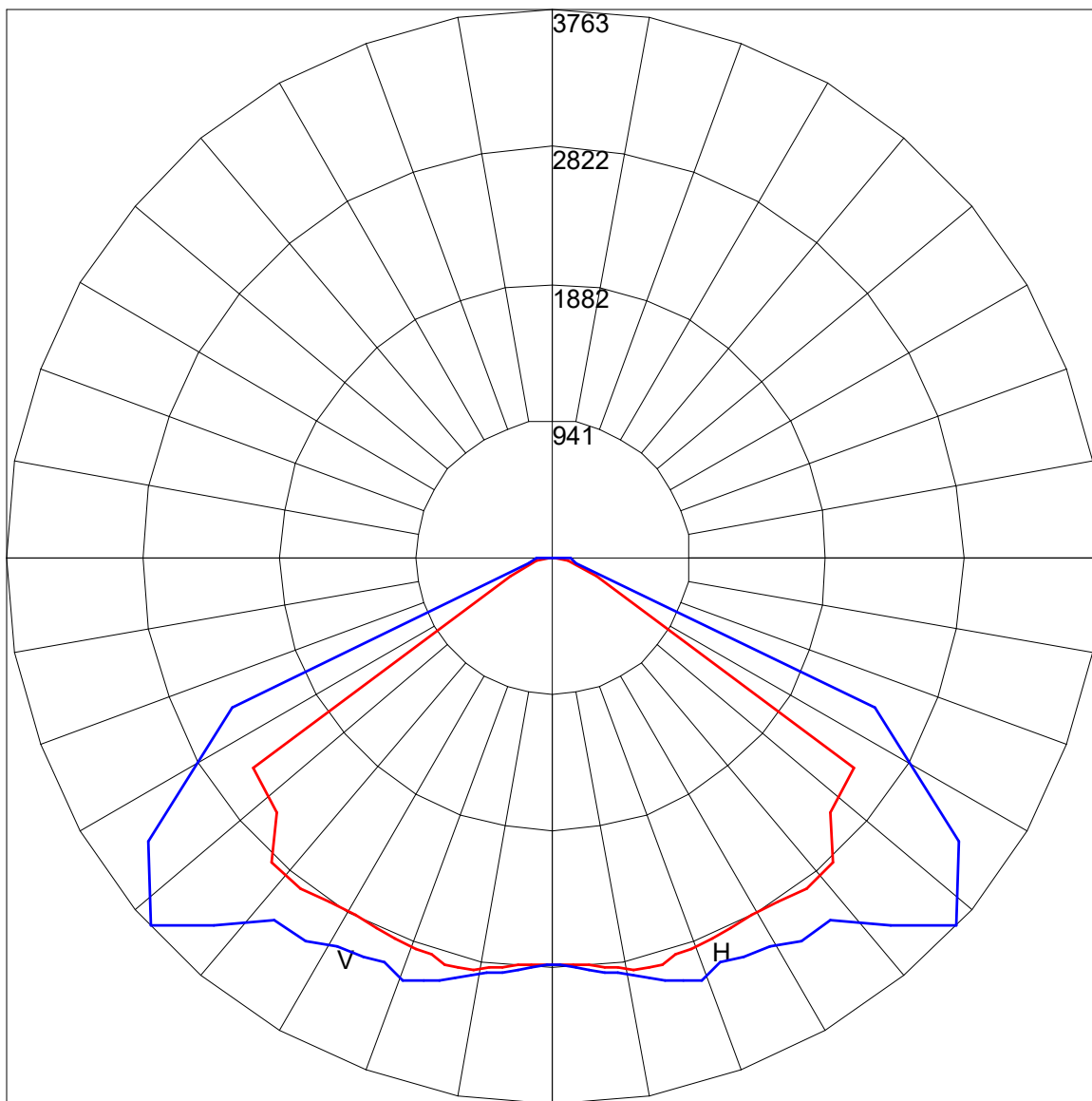
<b>15</b>			
	0.07	0.00	88.68
<b>13</b>			
	0.07	0.00	88.10
<b>11</b>			
	0.07	0.00	87.48
<b>9</b>			
	0.07	0.00	86.87
<b>7</b>			
	0.07	0.00	86.31
<b>5</b>			
	0.07	0.00	85.85
<b>3</b>			
	0.07	0.00	85.50
<b>1</b>			
	0.04	0.00	42.64
<b>0</b>			
	0.04	0.00	42.64
<b>-1</b>			
	0.07	0.00	85.50
<b>-3</b>			
	0.07	0.00	85.85
<b>-5</b>			
	0.07	0.00	86.31
<b>-7</b>			
	0.07	0.00	86.87
<b>-9</b>			
	0.07	0.00	87.48
<b>-11</b>			
	0.07	0.00	88.10
<b>-13</b>			
	0.07	0.00	88.68
<b>-15</b>			
	0.07	0.00	89.15
<b>-17</b>			
	0.08	0.00	111.77
<b>-19.5</b>			
	0.09	0.00	133.36
<b>-22.5</b>			
	0.09	0.00	131.66
<b>-25.5</b>			
	0.10	0.00	151.61
<b>-29</b>			
	0.11	0.00	170.63
<b>-33</b>			
	0.11	0.00	186.94
<b>-37.5</b>			
	0.11	0.00	204.01
<b>-42.5</b>			
	0.10	0.00	204.00
<b>-47.5</b>			
	0.12	0.00	280.15
<b>-55</b>			
	0.12	0.00	270.05
<b>-65</b>			
	0.08	0.00	110.10

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

**LUMENS TABULATION - (Cont.)**

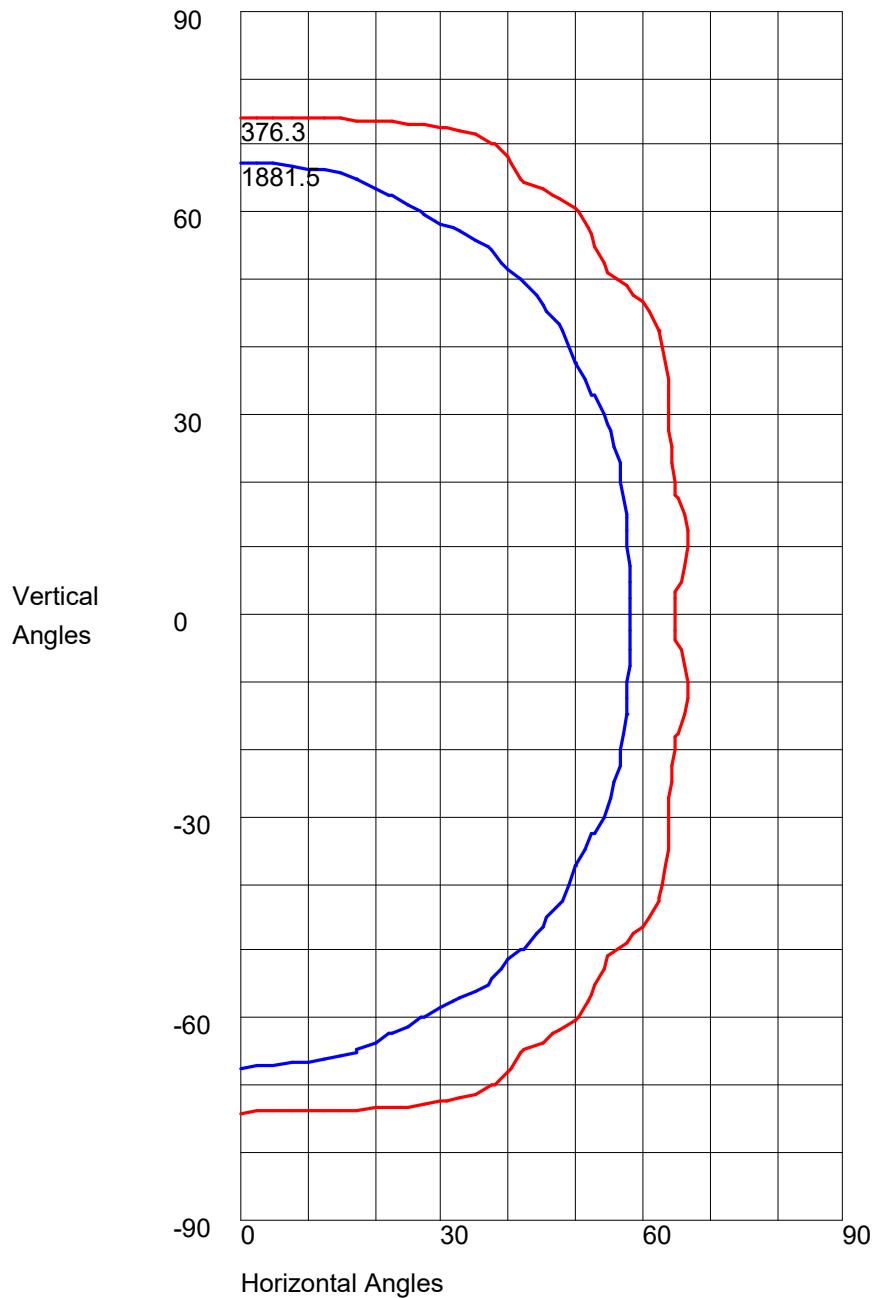
<b>-75</b>	0.05	0.00	19.55
<b>-85</b>	0.01	0.00	4.98
<b>-90</b>			
<b>Total</b>	3.54	0.08	5438.8

AXIAL CANDELA DISPLAY



Maximum Candela = 3763 Located At Horizontal Angle = 0, Vertical Angle = -47.5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3763 Located At Horizontal Angle = 0, Vertical Angle = -47.5  
50% Maximum Candela = 1881.5  
10% Maximum Candela = 376.3