



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-30L-PC-VWF-50-80-FGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12561

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 03/05/21

[TEST DATE] 03/02/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-30L-PC-VWF-50-80-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	3668
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	9204
Beam Efficiency	N.A.
Field Lumens	10393
Field Efficiency	N.A.
Spill Lumens	212
Luminaire Lumens	10604
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	114
75	112	75	164
65	321	65	2382
55	2459	55	3323
47.5	2526	47.5	3668
42.5	2785	42.5	3360
37.5	2793	37.5	3071
33	2767	33	3064
29	2747	29	2987
25.5	2753	25.5	2977
22.5	2775	22.5	2939
19.5	2785	19.5	3008
17	2786	17	2971
15	2837	15	2935
13	2831	13	2898
11	2815	11	2864
9	2794	9	2832
7	2772	7	2803
5	2750	5	2778
3	2731	3	2760
1	2731	1	2742
0	2734	0	2734
-1	2731	-1	2742
-3	2731	-3	2760
-5	2750	-5	2778
-7	2772	-7	2803
-9	2794	-9	2832
-11	2815	-11	2864
-13	2831	-13	2898
-15	2837	-15	2935
-17	2786	-17	2971
-19.5	2785	-19.5	3008
-22.5	2775	-22.5	2939
-25.5	2753	-25.5	2977
-29	2747	-29	2987
-33	2767	-33	3064
-37.5	2793	-37.5	3071
-42.5	2785	-42.5	3360
-47.5	2526	-47.5	3668
-55	2459	-55	3323
-65	321	-65	2382
-75	112	-75	164
-85	19	-85	114
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 3668

Beam Edge = 1834 Cd (50% of Max.)

Field Edge = 366.8 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	2	10	44	91	120	135	138	141	142
75.0	0	6	19	37	64	77	89	94	98	112
65.0	0	9	27	56	97	159	322	657 *	1005 *	1267 *
55.0	0	12	42	97	199	840 *	1378 *	1799 *	2033 *	2201 *
47.5	0	14	54	134	503 *	1550 *	2012 *	2221 *	2446 *	2661 *
42.5	0	15	64	160	957 *	1876 *	2138 *	2335 *	2488 *	2694 *
37.5	0	16	73	186	1338 *	2084 *	2242 *	2405 *	2579 *	2719 *
33.0	0	16	80	200	1595 *	2290 *	2350 *	2559 *	2721 *	2794 *
29.0	0	17	87	210	1818 *	2385 *	2466 *	2696 *	2773 *	2918 *
25.5	0	17	93	218	1980 *	2454 *	2598 *	2774 *	2854 *	2937 *
22.5	0	18	97	287	2109 *	2511 *	2685 *	2821 *	2908 *	2953 *
19.5	0	18	101	347	2205 *	2546 *	2730 *	2854 *	2937 *	2948 *
17.0	0	18	103	383 *	2261 *	2576 *	2750 *	2863 *	2934 *	2923 *
15.0	0	18	105	402 *	2303 *	2597 *	2761 *	2864 *	2911 *	2891 *
13.0	0	19	107	415 *	2340 *	2605 *	2766 *	2854 *	2886 *	2876 *
11.0	0	19	108	421 *	2374 *	2602 *	2770 *	2836 *	2855 *	2849 *
9.0	0	19	110	414 *	2404 *	2590 *	2773 *	2819 *	2827 *	2813 *
7.0	0	19	111	401 *	2429 *	2571 *	2776 *	2807 *	2804 *	2787 *
5.0	0	19	112	383 *	2444 *	2550 *	2778 *	2799 *	2787 *	2770 *
3.0	0	19	112	362	2459 *	2539 *	2787 *	2795 *	2774 *	2754 *
1.0	0	19	112	335	2459 *	2530 *	2786 *	2795 *	2769 *	2749 *
0.0	0	19	112	321	2459 *	2526 *	2785 *	2793 *	2767 *	2747 *
-1.0	0	19	112	335	2459 *	2530 *	2786 *	2795 *	2769 *	2749 *
-3.0	0	19	112	362	2459 *	2539 *	2787 *	2795 *	2774 *	2754 *
-5.0	0	19	112	383 *	2444 *	2550 *	2778 *	2799 *	2787 *	2770 *
-7.0	0	19	111	401 *	2429 *	2571 *	2776 *	2807 *	2804 *	2787 *
-9.0	0	19	110	414 *	2404 *	2590 *	2773 *	2819 *	2827 *	2813 *
-11.0	0	19	108	421 *	2374 *	2602 *	2770 *	2836 *	2855 *	2849 *
-13.0	0	19	107	415 *	2340 *	2605 *	2766 *	2854 *	2886 *	2876 *
-15.0	0	18	105	402 *	2303 *	2597 *	2761 *	2864 *	2911 *	2891 *
-17.0	0	18	103	383 *	2261 *	2576 *	2750 *	2863 *	2934 *	2923 *
-19.5	0	18	101	347	2205 *	2546 *	2730 *	2854 *	2937 *	2948 *
-22.5	0	18	97	287	2109 *	2511 *	2685 *	2821 *	2908 *	2953 *
-25.5	0	17	93	218	1980 *	2454 *	2598 *	2774 *	2854 *	2937 *
-29.0	0	17	87	210	1818 *	2385 *	2466 *	2696 *	2773 *	2918 *
-33.0	0	16	80	200	1595 *	2290 *	2350 *	2559 *	2721 *	2794 *
-37.5	0	16	73	186	1338 *	2084 *	2242 *	2405 *	2579 *	2719 *
-42.5	0	15	64	160	957 *	1876 *	2138 *	2335 *	2488 *	2694 *
-47.5	0	14	54	134	503 *	1550 *	2012 *	2221 *	2446 *	2661 *
-55.0	0	12	42	97	199	840 *	1378 *	1799 *	2033 *	2201 *
-65.0	0	9	27	56	97	159	322	657 *	1005 *	1267 *
-75.0	0	6	19	37	64	77	89	94	98	112
-85.0	0	2	10	44	91	120	135	138	141	142
-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	141	138	134	131	128	124	119	115	110	106
75.0	122	131	140	147	152	154	157	159	161	163
65.0	1448 *	1570 *	1722 *	1846 *	1943 *	2033 *	2110 *	2176 *	2232 *	2279 *
55.0	2390 *	2566 *	2730 *	2843 *	2936 *	3031 *	3102 *	3161 *	3219 *	3273 *
47.5	2867 *	2987 *	3134 *	3264 *	3355 *	3446 *	3530 *	3556 *	3589 *	3626 *
42.5	2782 *	2923 *	3060 *	3143 *	3195 *	3245 *	3295 *	3320 *	3332 *	3347 *
37.5	2832 *	2900 *	2958 *	2989 *	3017 *	3083 *	3123 *	3139 *	3123 *	3101 *
33.0	2904 *	2948 *	3023 *	3078 *	3101 *	3113 *	3128 *	3131 *	3113 *	3091 *
29.0	2922 *	2977 *	3016 *	3053 *	3069 *	3088 *	3092 *	3089 *	3072 *	3035 *
25.5	2964 *	2982 *	3014 *	3017 *	3042 *	3062 *	3064 *	3048 *	3025 *	3004 *
22.5	2968 *	2983 *	3011 *	3032 *	3042 *	3050 *	3044 *	3042 *	3027 *	3006 *
19.5	2975 *	2991 *	3027 *	3032 *	3048 *	3077 *	3084 *	3072 *	3046 *	3032 *
17.0	2957 *	2973 *	2993 *	3007 *	3029 *	3046 *	3048 *	3031 *	3013 *	2995 *
15.0	2931 *	2941 *	2966 *	2974 *	2997 *	3012 *	3010 *	2995 *	2979 *	2960 *
13.0	2893 *	2904 *	2928 *	2936 *	2958 *	2979 *	2973 *	2958 *	2940 *	2923 *
11.0	2863 *	2864 *	2900 *	2899 *	2927 *	2944 *	2937 *	2920 *	2903 *	2888 *
9.0	2836 *	2842 *	2867 *	2871 *	2901 *	2912 *	2903 *	2886 *	2868 *	2852 *
7.0	2805 *	2822 *	2838 *	2845 *	2873 *	2890 *	2875 *	2856 *	2837 *	2820 *
5.0	2784 *	2810 *	2816 *	2810 *	2855 *	2865 *	2851 *	2830 *	2810 *	2791 *
3.0	2766 *	2794 *	2800 *	2795 *	2847 *	2846 *	2830 *	2810 *	2789 *	2770 *
1.0	2756 *	2780 *	2788 *	2788 *	2841 *	2833 *	2817 *	2797 *	2775 *	2753 *
0.0	2753 *	2775 *	2785 *	2786 *	2837 *	2831 *	2815 *	2794 *	2772 *	2750 *
-1.0	2756 *	2780 *	2788 *	2788 *	2841 *	2833 *	2817 *	2797 *	2775 *	2753 *
-3.0	2766 *	2794 *	2800 *	2795 *	2847 *	2846 *	2830 *	2810 *	2789 *	2770 *
-5.0	2784 *	2810 *	2816 *	2810 *	2855 *	2865 *	2851 *	2830 *	2810 *	2791 *
-7.0	2805 *	2822 *	2838 *	2845 *	2873 *	2890 *	2875 *	2856 *	2837 *	2820 *
-9.0	2836 *	2842 *	2867 *	2871 *	2901 *	2912 *	2903 *	2886 *	2868 *	2852 *
-11.0	2863 *	2864 *	2900 *	2899 *	2927 *	2944 *	2937 *	2920 *	2903 *	2888 *
-13.0	2893 *	2904 *	2928 *	2936 *	2958 *	2979 *	2973 *	2958 *	2940 *	2923 *
-15.0	2931 *	2941 *	2966 *	2974 *	2997 *	3012 *	3010 *	2995 *	2979 *	2960 *
-17.0	2957 *	2973 *	2993 *	3007 *	3029 *	3046 *	3048 *	3031 *	3013 *	2995 *
-19.5	2975 *	2991 *	3027 *	3032 *	3048 *	3077 *	3084 *	3072 *	3046 *	3032 *
-22.5	2968 *	2983 *	3011 *	3032 *	3042 *	3050 *	3044 *	3042 *	3027 *	3006 *
-25.5	2964 *	2982 *	3014 *	3017 *	3042 *	3062 *	3064 *	3048 *	3025 *	3004 *
-29.0	2922 *	2977 *	3016 *	3053 *	3069 *	3088 *	3092 *	3089 *	3072 *	3035 *
-33.0	2904 *	2948 *	3023 *	3078 *	3101 *	3113 *	3128 *	3131 *	3113 *	3091 *
-37.5	2832 *	2900 *	2958 *	2989 *	3017 *	3083 *	3123 *	3139 *	3123 *	3101 *
-42.5	2782 *	2923 *	3060 *	3143 *	3195 *	3245 *	3295 *	3320 *	3332 *	3347 *
-47.5	2867 *	2987 *	3134 *	3264 *	3355 *	3446 *	3530 *	3556 *	3589 *	3626 *
-55.0	2390 *	2566 *	2730 *	2843 *	2936 *	3031 *	3102 *	3161 *	3219 *	3273 *
-65.0	1448 *	1570 *	1722 *	1846 *	1943 *	2033 *	2110 *	2176 *	2232 *	2279 *
-75.0	122	131	140	147	152	154	157	159	161	163
-85.0	141	138	134	131	128	124	119	115	110	106
-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	109	112	114	112	109	106	110	115	119	124
75.0	163	164	164	164	163	163	161	159	157	154
65.0	2334 *	2366 *	2382 *	2366 *	2334 *	2279 *	2232 *	2176 *	2110 *	2033 *

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CANDELA TABULATION - (Cont.)

55.0	3313 *	3320 *	3323 *	3320 *	3313 *	3273 *	3219 *	3161 *	3102 *	3031 *
47.5	3658 *	3665 *	3668 *	3665 *	3658 *	3626 *	3589 *	3556 *	3530 *	3446 *
42.5	3356 *	3359 *	3360 *	3359 *	3356 *	3347 *	3332 *	3320 *	3295 *	3245 *
37.5	3076 *	3071 *	3071 *	3071 *	3076 *	3101 *	3123 *	3139 *	3123 *	3083 *
33.0	3074 *	3066 *	3064 *	3066 *	3074 *	3091 *	3113 *	3131 *	3128 *	3113 *
29.0	3005 *	2992 *	2987 *	2992 *	3005 *	3035 *	3072 *	3089 *	3092 *	3088 *
25.5	2987 *	2978 *	2977 *	2978 *	2987 *	3004 *	3025 *	3048 *	3064 *	3062 *
22.5	2976 *	2948 *	2939 *	2948 *	2976 *	3006 *	3027 *	3042 *	3044 *	3050 *
19.5	3018 *	3009 *	3008 *	3009 *	3018 *	3032 *	3046 *	3072 *	3084 *	3077 *
17.0	2982 *	2973 *	2971 *	2973 *	2982 *	2995 *	3013 *	3031 *	3048 *	3046 *
15.0	2945 *	2936 *	2935 *	2936 *	2945 *	2960 *	2979 *	2995 *	3010 *	3012 *
13.0	2907 *	2899 *	2898 *	2899 *	2907 *	2923 *	2940 *	2958 *	2973 *	2979 *
11.0	2870 *	2863 *	2864 *	2863 *	2870 *	2888 *	2903 *	2920 *	2937 *	2944 *
9.0	2837 *	2830 *	2832 *	2830 *	2837 *	2852 *	2868 *	2886 *	2903 *	2912 *
7.0	2808 *	2800 *	2803 *	2800 *	2808 *	2820 *	2837 *	2856 *	2875 *	2890 *
5.0	2780 *	2772 *	2778 *	2772 *	2780 *	2791 *	2810 *	2830 *	2851 *	2865 *
3.0	2755 *	2754 *	2760 *	2754 *	2755 *	2770 *	2789 *	2810 *	2830 *	2846 *
1.0	2739 *	2736 *	2742 *	2736 *	2739 *	2753 *	2775 *	2797 *	2817 *	2833 *
0.0	2731 *	2731 *	2734 *	2731 *	2731 *	2750 *	2772 *	2794 *	2815 *	2831 *
-1.0	2739 *	2736 *	2742 *	2736 *	2739 *	2753 *	2775 *	2797 *	2817 *	2833 *
-3.0	2755 *	2754 *	2760 *	2754 *	2755 *	2770 *	2789 *	2810 *	2830 *	2846 *
-5.0	2780 *	2772 *	2778 *	2772 *	2780 *	2791 *	2810 *	2830 *	2851 *	2865 *
-7.0	2808 *	2800 *	2803 *	2800 *	2808 *	2820 *	2837 *	2856 *	2875 *	2890 *
-9.0	2837 *	2830 *	2832 *	2830 *	2837 *	2852 *	2868 *	2886 *	2903 *	2912 *
-11.0	2870 *	2863 *	2864 *	2863 *	2870 *	2888 *	2903 *	2920 *	2937 *	2944 *
-13.0	2907 *	2899 *	2898 *	2899 *	2907 *	2923 *	2940 *	2958 *	2973 *	2979 *
-15.0	2945 *	2936 *	2935 *	2936 *	2945 *	2960 *	2979 *	2995 *	3010 *	3012 *
-17.0	2982 *	2973 *	2971 *	2973 *	2982 *	2995 *	3013 *	3031 *	3048 *	3046 *
-19.5	3018 *	3009 *	3008 *	3009 *	3018 *	3032 *	3046 *	3072 *	3084 *	3077 *
-22.5	2976 *	2948 *	2939 *	2948 *	2976 *	3006 *	3027 *	3042 *	3044 *	3050 *
-25.5	2987 *	2978 *	2977 *	2978 *	2987 *	3004 *	3025 *	3048 *	3064 *	3062 *
-29.0	3005 *	2992 *	2987 *	2992 *	3005 *	3035 *	3072 *	3089 *	3092 *	3088 *
-33.0	3074 *	3066 *	3064 *	3066 *	3074 *	3091 *	3113 *	3131 *	3128 *	3113 *
-37.5	3076 *	3071 *	3071 *	3071 *	3076 *	3101 *	3123 *	3139 *	3123 *	3083 *
-42.5	3356 *	3359 *	3360 *	3359 *	3356 *	3347 *	3332 *	3320 *	3295 *	3245 *
-47.5	3658 *	3665 *	3668 *	3665 *	3658 *	3626 *	3589 *	3556 *	3530 *	3446 *
-55.0	3313 *	3320 *	3323 *	3320 *	3313 *	3273 *	3219 *	3161 *	3102 *	3031 *
-65.0	2334 *	2366 *	2382 *	2366 *	2334 *	2279 *	2232 *	2176 *	2110 *	2033 *
-75.0	163	164	164	164	163	163	161	159	157	154
-85.0	109	112	114	112	109	106	110	115	119	124
-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	128	131	134	138	141	142	141	138	135	120
75.0	152	147	140	131	122	112	98	94	89	77
65.0	1943 *	1846 *	1722 *	1570 *	1448 *	1267 *	1005 *	657 *	322	159
55.0	2936 *	2843 *	2730 *	2566 *	2390 *	2201 *	2033 *	1799 *	1378 *	840 *
47.5	3355 *	3264 *	3134 *	2987 *	2867 *	2661 *	2446 *	2221 *	2012 *	1550 *
42.5	3195 *	3143 *	3060 *	2923 *	2782 *	2694 *	2488 *	2335 *	2138 *	1876 *
37.5	3017 *	2989 *	2958 *	2900 *	2832 *	2719 *	2579 *	2405 *	2242 *	2084 *
33.0	3101 *	3078 *	3023 *	2948 *	2904 *	2794 *	2721 *	2559 *	2350 *	2290 *
29.0	3069 *	3053 *	3016 *	2977 *	2922 *	2918 *	2773 *	2696 *	2466 *	2385 *
25.5	3042 *	3017 *	3014 *	2982 *	2964 *	2937 *	2854 *	2774 *	2598 *	2454 *

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CANDELA TABULATION - (Cont.)

22.5	3042 *	3032 *	3011 *	2983 *	2968 *	2953 *	2908 *	2821 *	2685 *	2511 *
19.5	3048 *	3032 *	3027 *	2991 *	2975 *	2948 *	2937 *	2854 *	2730 *	2546 *
17.0	3029 *	3007 *	2993 *	2973 *	2957 *	2923 *	2934 *	2863 *	2750 *	2576 *
15.0	2997 *	2974 *	2966 *	2941 *	2931 *	2891 *	2911 *	2864 *	2761 *	2597 *
13.0	2958 *	2936 *	2928 *	2904 *	2893 *	2876 *	2886 *	2854 *	2766 *	2605 *
11.0	2927 *	2899 *	2900 *	2864 *	2863 *	2849 *	2855 *	2836 *	2770 *	2602 *
9.0	2901 *	2871 *	2867 *	2842 *	2836 *	2813 *	2827 *	2819 *	2773 *	2590 *
7.0	2873 *	2845 *	2838 *	2822 *	2805 *	2787 *	2804 *	2807 *	2776 *	2571 *
5.0	2855 *	2810 *	2816 *	2810 *	2784 *	2770 *	2787 *	2799 *	2778 *	2550 *
3.0	2847 *	2795 *	2800 *	2794 *	2766 *	2754 *	2774 *	2795 *	2787 *	2539 *
1.0	2841 *	2788 *	2788 *	2780 *	2756 *	2749 *	2769 *	2795 *	2786 *	2530 *
0.0	2837 *	2786 *	2785 *	2775 *	2753 *	2747 *	2767 *	2793 *	2785 *	2526 *
-1.0	2841 *	2788 *	2788 *	2780 *	2756 *	2749 *	2769 *	2795 *	2786 *	2530 *
-3.0	2847 *	2795 *	2800 *	2794 *	2766 *	2754 *	2774 *	2795 *	2787 *	2539 *
-5.0	2855 *	2810 *	2816 *	2810 *	2784 *	2770 *	2787 *	2799 *	2778 *	2550 *
-7.0	2873 *	2845 *	2838 *	2822 *	2805 *	2787 *	2804 *	2807 *	2776 *	2571 *
-9.0	2901 *	2871 *	2867 *	2842 *	2836 *	2813 *	2827 *	2819 *	2773 *	2590 *
-11.0	2927 *	2899 *	2900 *	2864 *	2863 *	2849 *	2855 *	2836 *	2770 *	2602 *
-13.0	2958 *	2936 *	2928 *	2904 *	2893 *	2876 *	2886 *	2854 *	2766 *	2605 *
-15.0	2997 *	2974 *	2966 *	2941 *	2931 *	2891 *	2911 *	2864 *	2761 *	2597 *
-17.0	3029 *	3007 *	2993 *	2973 *	2957 *	2923 *	2934 *	2863 *	2750 *	2576 *
-19.5	3048 *	3032 *	3027 *	2991 *	2975 *	2948 *	2937 *	2854 *	2730 *	2546 *
-22.5	3042 *	3032 *	3011 *	2983 *	2968 *	2953 *	2908 *	2821 *	2685 *	2511 *
-25.5	3042 *	3017 *	3014 *	2982 *	2964 *	2937 *	2854 *	2774 *	2598 *	2454 *
-29.0	3069 *	3053 *	3016 *	2977 *	2922 *	2918 *	2773 *	2696 *	2466 *	2385 *
-33.0	3101 *	3078 *	3023 *	2948 *	2904 *	2794 *	2721 *	2559 *	2350 *	2290 *
-37.5	3017 *	2989 *	2958 *	2900 *	2832 *	2719 *	2579 *	2405 *	2242 *	2084 *
-42.5	3195 *	3143 *	3060 *	2923 *	2782 *	2694 *	2488 *	2335 *	2138 *	1876 *
-47.5	3355 *	3264 *	3134 *	2987 *	2867 *	2661 *	2446 *	2221 *	2012 *	1550 *
-55.0	2936 *	2843 *	2730 *	2566 *	2390 *	2201 *	2033 *	1799 *	1378 *	840 *
-65.0	1943 *	1846 *	1722 *	1570 *	1448 *	1267 *	1005 *	657 *	322	159
-75.0	152	147	140	131	122	112	98	94	89	77
-85.0	128	131	134	138	141	142	141	138	135	120
-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	91	44	10	2	0
75.0	64	37	19	6	0
65.0	97	56	27	9	0
55.0	199	97	42	12	0
47.5	503 *	134	54	14	0
42.5	957 *	160	64	15	0
37.5	1338 *	186	73	16	0
33.0	1595 *	200	80	16	0
29.0	1818 *	210	87	17	0
25.5	1980 *	218	93	17	0
22.5	2109 *	287	97	18	0
19.5	2205 *	347	101	18	0
17.0	2261 *	383 *	103	18	0
15.0	2303 *	402 *	105	18	0
13.0	2340 *	415 *	107	19	0
11.0	2374 *	421 *	108	19	0
9.0	2404 *	414 *	110	19	0

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

CANDELA TABULATION - (Cont.)

7.0	2429 *	401 *	111	19	0
5.0	2444 *	383 *	112	19	0
3.0	2459 *	362	112	19	0
1.0	2459 *	335	112	19	0
0.0	2459 *	321	112	19	0
-1.0	2459 *	335	112	19	0
-3.0	2459 *	362	112	19	0
-5.0	2444 *	383 *	112	19	0
-7.0	2429 *	401 *	111	19	0
-9.0	2404 *	414 *	110	19	0
-11.0	2374 *	421 *	108	19	0
-13.0	2340 *	415 *	107	19	0
-15.0	2303 *	402 *	105	18	0
-17.0	2261 *	383 *	103	18	0
-19.5	2205 *	347	101	18	0
-22.5	2109 *	287	97	18	0
-25.5	1980 *	218	93	17	0
-29.0	1818 *	210	87	17	0
-33.0	1595 *	200	80	16	0
-37.5	1338 *	186	73	16	0
-42.5	957 *	160	64	15	0
-47.5	503 *	134	54	14	0
-55.0	199	97	42	12	0
-65.0	97	56	27	9	0
-75.0	64	37	19	6	0
-85.0	91	44	10	2	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) = 5302.2

Total Field Lumens (one side of beam only) = 5196.43

* 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	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.24
75	0.42	0.83	0.82	0.82	0.82	0.82	0.83	0.82	0.82	1.00
65	3.87 *	7.65 *	7.50 *	7.32 *	7.13 *	6.90 *	6.64 *	6.33 *	5.98 *	6.97 *
55	8.67 *	17.25 *	17.01 *	16.67 *	16.27 *	15.82 *	15.31 *	14.69 *	14.01 *	16.53 *
47.5	7.98 *	15.93 *	15.80 *	15.57 *	15.30 *	15.02 *	14.65 *	14.15 *	13.61 *	16.23 *
42.5	5.35 *	10.68 *	10.63 *	10.52 *	10.40 *	10.27 *	10.07 *	9.78 *	9.48 *	11.39 *
37.5	4.90 *	9.79 *	9.78 *	9.77 *	9.74 *	9.66 *	9.49 *	9.27 *	9.04 *	10.98 *
33	4.21 *	8.42 *	8.44 *	8.47 *	8.49 *	8.45 *	8.34 *	8.19 *	8.03 *	9.80 *
29	3.69 *	7.39 *	7.42 *	7.46 *	7.48 *	7.46 *	7.40 *	7.31 *	7.20 *	8.80 *
25.5	3.18 *	6.37 *	6.40 *	6.43 *	6.46 *	6.45 *	6.42 *	6.34 *	6.24 *	7.66 *
22.5	2.71 *	5.43 *	5.46 *	5.48 *	5.49 *	5.49 *	5.46 *	5.41 *	5.33 *	6.55 *
19.5	2.72 *	5.46 *	5.48 *	5.50 *	5.51 *	5.51 *	5.48 *	5.42 *	5.34 *	6.56 *
17	2.28 *	4.56 *	4.57 *	4.58 *	4.59 *	4.59 *	4.56 *	4.51 *	4.43 *	5.45 *
15	1.80 *	3.60 *	3.61 *	3.62 *	3.63 *	3.62 *	3.61 *	3.57 *	3.52 *	4.32 *
13	1.78 *	3.56 *	3.57 *	3.58 *	3.58 *	3.58 *	3.57 *	3.53 *	3.47 *	4.27 *
11	1.76 *	3.51 *	3.52 *	3.53 *	3.54 *	3.54 *	3.53 *	3.49 *	3.43 *	4.22 *
9	1.73 *	3.47 *	3.48 *	3.49 *	3.49 *	3.49 *	3.48 *	3.45 *	3.40 *	4.17 *
7	1.72 *	3.43 *	3.44 *	3.45 *	3.45 *	3.46 *	3.45 *	3.42 *	3.36 *	4.13 *
5	1.70 *	3.40 *	3.40 *	3.41 *	3.42 *	3.42 *	3.42 *	3.39 *	3.33 *	4.09 *
3	1.69 *	3.37 *	3.37 *	3.38 *	3.39 *	3.40 *	3.39 *	3.37 *	3.31 *	4.06 *
1	1.67 *	3.34 *	3.35 *	3.36 *	3.37 *	3.38 *	3.37 *	3.36 *	3.30 *	4.04 *
0	0.83 *	1.66 *	1.67 *	1.67 *	1.68 *	1.68 *	1.68 *	1.68 *	1.65 *	2.02 *
-1	0.83 *	1.66 *	1.67 *	1.67 *	1.68 *	1.68 *	1.68 *	1.68 *	1.65 *	2.02 *
	1.67 *	3.34 *	3.35 *	3.36 *	3.37 *	3.38 *	3.37 *	3.36 *	3.30 *	4.04 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	1.69 *	3.37 *	3.37 *	3.38 *	3.39 *	3.40 *	3.39 *	3.37 *	3.31 *	4.06 *
-5	1.70 *	3.40 *	3.40 *	3.41 *	3.42 *	3.42 *	3.42 *	3.39 *	3.33 *	4.09 *
-7	1.72 *	3.43 *	3.44 *	3.45 *	3.45 *	3.46 *	3.45 *	3.42 *	3.36 *	4.13 *
-9	1.73 *	3.47 *	3.48 *	3.49 *	3.49 *	3.49 *	3.48 *	3.45 *	3.40 *	4.17 *
-11	1.76 *	3.51 *	3.52 *	3.53 *	3.54 *	3.54 *	3.53 *	3.49 *	3.43 *	4.22 *
-13	1.78 *	3.56 *	3.57 *	3.58 *	3.58 *	3.58 *	3.57 *	3.53 *	3.47 *	4.27 *
-15	1.80 *	3.60 *	3.61 *	3.62 *	3.63 *	3.62 *	3.61 *	3.57 *	3.52 *	4.32 *
-17	2.28 *	4.56 *	4.57 *	4.58 *	4.59 *	4.59 *	4.56 *	4.51 *	4.43 *	5.45 *
-19.5	2.72 *	5.46 *	5.48 *	5.50 *	5.51 *	5.51 *	5.48 *	5.42 *	5.34 *	6.56 *
-22.5	2.71 *	5.43 *	5.46 *	5.48 *	5.49 *	5.49 *	5.46 *	5.41 *	5.33 *	6.55 *
-25.5	3.18 *	6.37 *	6.40 *	6.43 *	6.46 *	6.45 *	6.42 *	6.34 *	6.24 *	7.66 *
-29	3.69 *	7.39 *	7.42 *	7.46 *	7.48 *	7.46 *	7.40 *	7.31 *	7.20 *	8.80 *
-33	4.21 *	8.42 *	8.44 *	8.47 *	8.49 *	8.45 *	8.34 *	8.19 *	8.03 *	9.80 *
-37.5	4.90 *	9.79 *	9.78 *	9.77 *	9.74 *	9.66 *	9.49 *	9.27 *	9.04 *	10.98 *
-42.5	5.35 *	10.68 *	10.63 *	10.52 *	10.40 *	10.27 *	10.07 *	9.78 *	9.48 *	11.39 *
-47.5	7.98 *	15.93 *	15.80 *	15.57 *	15.30 *	15.02 *	14.65 *	14.15 *	13.61 *	16.23 *
-55	8.67 *	17.25 *	17.01 *	16.67 *	16.27 *	15.82 *	15.31 *	14.69 *	14.01 *	16.53 *
-65	3.87 *	7.65 *	7.50 *	7.32 *	7.13 *	6.90 *	6.64 *	6.33 *	5.98 *	6.97 *
-75	0.42	0.83	0.82	0.82	0.82	0.82	0.83	0.82	0.82	1.00
-85	0.09	0.17	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.24
-90										
Total	129.45	258.56	257.77	256.48	254.80	252.39	248.67	243.35	236.96	286.94

Vert. Angles	Horizontal Angles									
	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90										
	0.29	0.29	0.34	0.37	0.39	0.40	0.34	0.38	0.26	0.07
85	1.16	1.11	1.22	1.29	1.32	1.33	1.13	1.26	0.90	0.29
75	7.60 *	6.83 *	6.99 *	6.48 *	5.19 *	3.39	1.74	1.42	0.97	0.36
65	18.32 *	16.64 *	17.31 *	16.98 *	15.37 *	12.12 *	7.26 *	4.63	1.71	0.58
55	18.26 *	16.92 *	17.98 *	18.29 *	17.83 *	16.21 *	11.67 *	8.28 *	2.66	0.64

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	12.91 *	12.06 *	13.04 *	13.43 *	13.28 *	12.69 *	10.20 *	8.73 *	3.34 *	0.54
42.5	12.63 *	11.93 *	13.06 *	13.68 *	13.72 *	13.30 *	11.22 *	11.17 *	5.02 *	0.63
37.5	11.35 *	10.88 *	11.99 *	12.70 *	12.92 *	12.54 *	10.86 *	11.75 *	5.68 *	0.63
33	10.21 *	9.81 *	10.93 *	11.70 *	12.03 *	11.75 *	10.22 *	11.56 *	5.82 *	0.60
29	8.95 *	8.65 *	9.74 *	10.49 *	10.87 *	10.75 *	9.33 *	10.80 *	5.62 *	0.55
25.5	7.67 *	7.45 *	8.40 *	9.13 *	9.53 *	9.52 *	8.28 *	9.70 *	5.24 *	0.54
22.5	7.69 *	7.46 *	8.42 *	9.20 *	9.67 *	9.70 *	8.46 *	10.04 *	5.65 *	0.65
19.5	6.39 *	6.21 *	6.99 *	7.66 *	8.11 *	8.16 *	7.13 *	8.56 *	4.94 *	0.61
17	5.06 *	4.93 *	5.54 *	6.09 *	6.48 *	6.55 *	5.75 *	6.96 *	4.07 *	0.52
15	5.01 *	4.87 *	5.49 *	6.04 *	6.44 *	6.56 *	5.78 *	7.03 *	4.15 *	0.54
13	4.95 *	4.81 *	5.44 *	5.99 *	6.40 *	6.55 *	5.78 *	7.09 *	4.22 *	0.55
11	4.89 *	4.76 *	5.38 *	5.92 *	6.34 *	6.53 *	5.78 *	7.12 *	4.27 *	0.55
9	4.85 *	4.72 *	5.33 *	5.86 *	6.30 *	6.52 *	5.77 *	7.14 *	4.30 *	0.54
7	4.81 *	4.68 *	5.28 *	5.82 *	6.27 *	6.51 *	5.75 *	7.14 *	4.30 *	0.52
5	4.79 *	4.66 *	5.25 *	5.79 *	6.24 *	6.51 *	5.74 *	7.14 *	4.30 *	0.50
3	4.76 *	4.63 *	5.22 *	5.77 *	6.23 *	6.51 *	5.73 *	7.14 *	4.27 *	0.48
1	2.37 *	2.31 *	2.61 *	2.88 *	3.11 *	3.25 *	2.86 *	3.56 *	2.12 *	0.23
0	2.37 *	2.31 *	2.61 *	2.88 *	3.11 *	3.25 *	2.86 *	3.56 *	2.12 *	0.23
-1	4.76 *	4.63 *	5.22 *	5.77 *	6.23 *	6.51 *	5.73 *	7.14 *	4.27 *	0.48
-3	4.79 *	4.66 *	5.25 *	5.79 *	6.24 *	6.51 *	5.74 *	7.14 *	4.30 *	0.50
-5	4.81 *	4.68 *	5.28 *	5.82 *	6.27 *	6.51 *	5.75 *	7.14 *	4.30 *	0.52
-7	4.85 *	4.72 *	5.33 *	5.86 *	6.30 *	6.52 *	5.77 *	7.14 *	4.30 *	0.54
-9	4.89 *	4.76 *	5.38 *	5.92 *	6.34 *	6.53 *	5.78 *	7.12 *	4.27 *	0.55
-11	4.95 *	4.81 *	5.44 *	5.99 *	6.40 *	6.55 *	5.78 *	7.09 *	4.22 *	0.55
-13	5.01 *	4.87 *	5.49 *	6.04 *	6.44 *	6.56 *	5.78 *	7.03 *	4.15 *	0.54
-15	5.06 *	4.93 *	5.54 *	6.09 *	6.48 *	6.55 *	5.75 *	6.96 *	4.07 *	0.52
-17	6.39 *	6.21 *	6.99 *	7.66 *	8.11 *	8.16 *	7.13 *	8.56 *	4.94 *	0.61
-19.5	7.69 *	7.46 *	8.42 *	9.20 *	9.67 *	9.70 *	8.46 *	10.04 *	5.65 *	0.65

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	7.67 *	7.45 *	8.40 *	9.13 *	9.53 *	9.52 *	8.28 *	9.70 *	5.24 *	0.54
-25.5	8.95 *	8.65 *	9.74 *	10.49 *	10.87 *	10.75 *	9.33 *	10.80 *	5.62 *	0.55
-29	10.21 *	9.81 *	10.93 *	11.70 *	12.03 *	11.75 *	10.22 *	11.56 *	5.82 *	0.60
-33	11.35 *	10.88 *	11.99 *	12.70 *	12.92 *	12.54 *	10.86 *	11.75 *	5.68 *	0.63
-37.5	12.63 *	11.93 *	13.06 *	13.68 *	13.72 *	13.30 *	11.22 *	11.17 *	5.02 *	0.63
-42.5	12.91 *	12.06 *	13.04 *	13.43 *	13.28 *	12.69 *	10.20 *	8.73 *	3.34 *	0.54
-47.5	18.26 *	16.92 *	17.98 *	18.29 *	17.83 *	16.21 *	11.67 *	8.28 *	2.66	0.64
-55	18.32 *	16.64 *	17.31 *	16.98 *	15.37 *	12.12 *	7.26 *	4.63	1.71	0.58
-65	7.60 *	6.83 *	6.99 *	6.48 *	5.19 *	3.39	1.74	1.42	0.97	0.36
-75	1.16	1.11	1.22	1.29	1.32	1.33	1.13	1.26	0.90	0.29
-85	0.29	0.29	0.34	0.37	0.39	0.40	0.34	0.38	0.26	0.07
-90										
Total	329.80	313.20	343.92	363.11	368.06	354.67	293.54	317.20	167.57	22.21

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		4.85
85				
	0.05	0.00		19.06
75				
	0.08	0.00		107.33
65				
	0.12	0.00		263.27
55				
	0.12	0.00		273.11
47.5				
	0.10	0.00		198.88
42.5				
	0.11	0.00		198.89
37.5				
	0.11	0.00		182.25
33				
	0.11	0.00		166.35
29				
	0.10	0.00		147.81
25.5				
	0.09	0.00		128.35
22.5				
	0.09	0.00		130.00
19.5				
	0.08	0.00		108.95
17				
	0.06	0.00		86.91

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

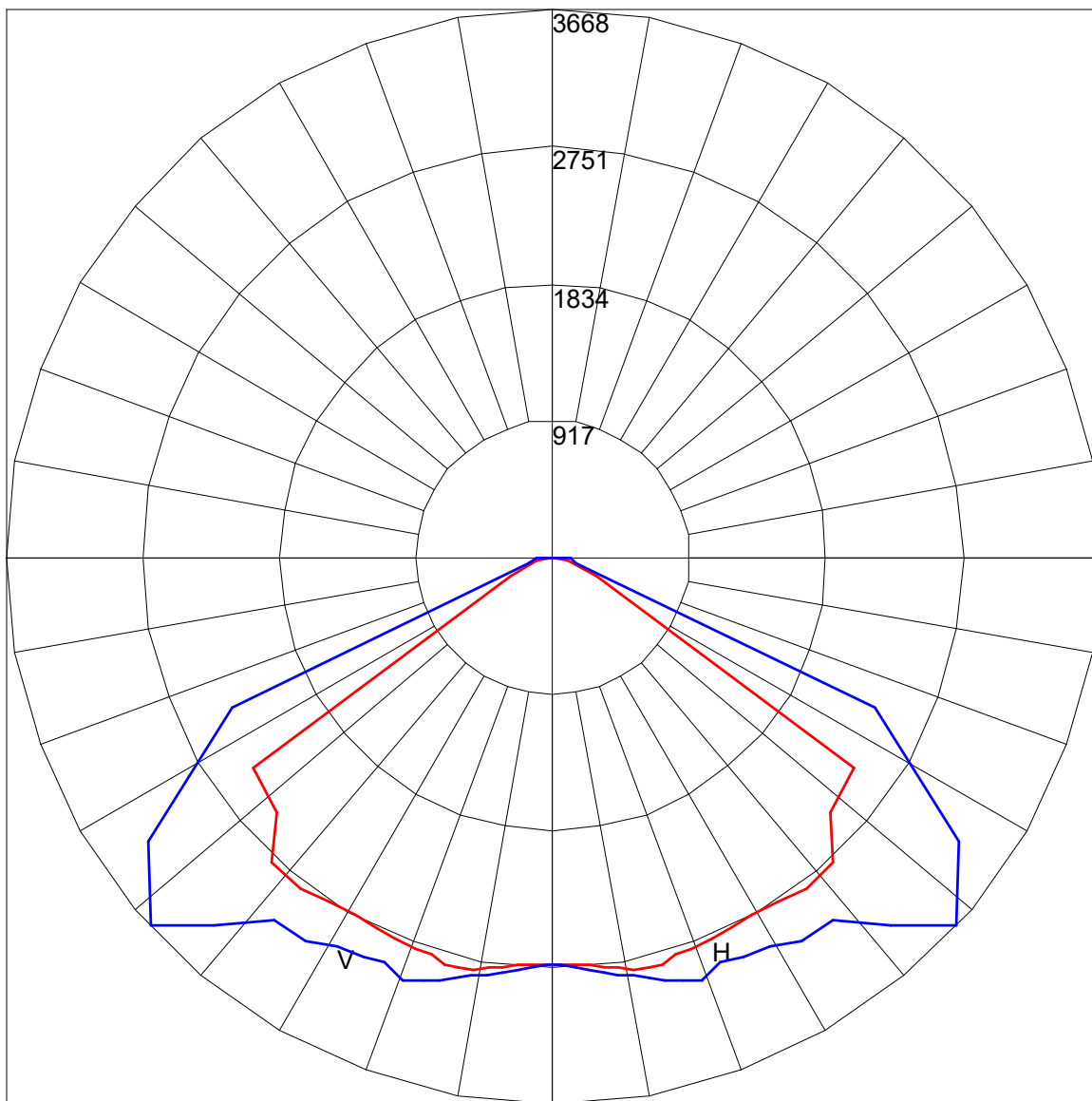
15	0.07	0.00	86.45
13	0.07	0.00	85.89
11	0.07	0.00	85.28
9	0.07	0.00	84.69
7	0.07	0.00	84.14
5	0.07	0.00	83.70
3	0.07	0.00	83.35
1	0.03	0.00	41.57
0	0.03	0.00	41.57
-1	0.07	0.00	83.35
-3	0.07	0.00	83.70
-5	0.07	0.00	84.14
-7	0.07	0.00	84.69
-9	0.07	0.00	85.28
-11	0.07	0.00	85.89
-13	0.07	0.00	86.45
-15	0.06	0.00	86.91
-17	0.08	0.00	108.95
-19.5	0.09	0.00	130.00
-22.5	0.09	0.00	128.35
-25.5	0.10	0.00	147.81
-29	0.11	0.00	166.35
-33	0.11	0.00	182.25
-37.5	0.11	0.00	198.89
-42.5	0.10	0.00	198.88
-47.5	0.12	0.00	273.11
-55	0.12	0.00	263.27
-65	0.08	0.00	107.33

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

LUMENS TABULATION - (Cont.)

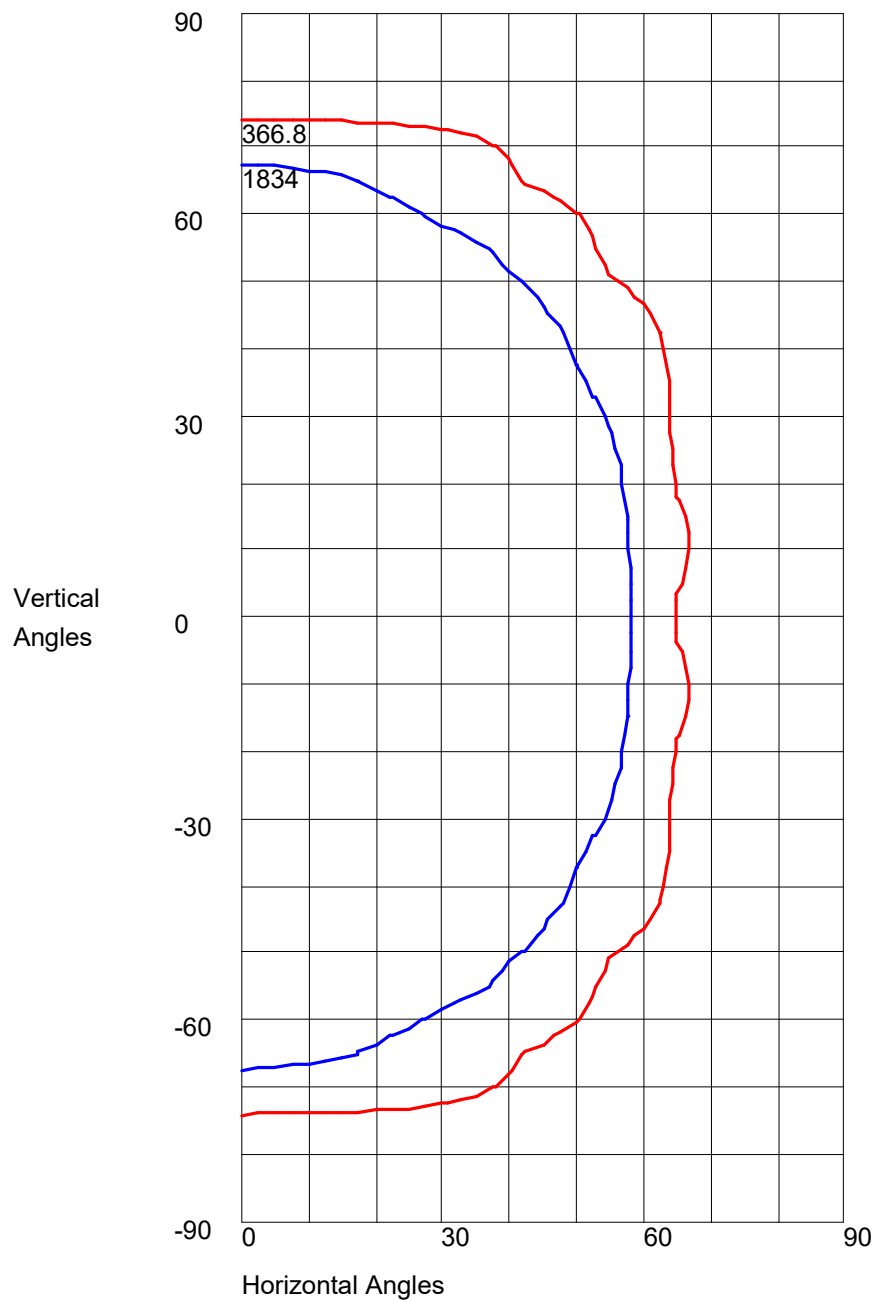
-75	0.05	0.00	19.06
-85	0.01	0.00	4.85
-90			
Total	3.47	0.08	5302.19

AXIAL CANDELA DISPLAY



Maximum Candela = 3668 Located At Horizontal Angle = 0, Vertical Angle = -47.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3668 Located At Horizontal Angle = 0, Vertical Angle = -47.5
50% Maximum Candela = 1834
10% Maximum Candela = 366.8