



IES FLOOD REPORT

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

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-30L-PC-VWF-40-80-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 | 6434 |
| Maximum Candela Angle | -3H 65V |
| Horizontal Beam Angle (50%) | 96.8 |
| Vertical Beam Angle (50%) | 56.1 |
| 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 | 8295 |
| Beam Efficiency | N.A. |
| Field Lumens | 15539 |
| Field Efficiency | N.A. |
| Spill Lumens | 241 |
| Luminaire Lumens | 15779 |
| 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 | 48 | 85 | 852 |
| 75 | 604 | 75 | 4421 |
| 65 | 2712 | 65 | 6428 |
| 55 | 3381 | 55 | 5940 |
| 47.5 | 3364 | 47.5 | 5560 |
| 42.5 | 3335 | 42.5 | 5001 |
| 37.5 | 3219 | 37.5 | 4340 |
| 33 | 3131 | 33 | 3836 |
| 29 | 3044 | 29 | 3518 |
| 25.5 | 2997 | 25.5 | 3337 |
| 22.5 | 2961 | 22.5 | 3217 |
| 19.5 | 2926 | 19.5 | 3122 |
| 17 | 2899 | 17 | 3053 |
| 15 | 2877 | 15 | 3004 |
| 13 | 2859 | 13 | 2958 |
| 11 | 2847 | 11 | 2918 |
| 9 | 2833 | 9 | 2880 |
| 7 | 2816 | 7 | 2845 |
| 5 | 2800 | 5 | 2816 |
| 3 | 2787 | 3 | 2797 |
| 1 | 2785 | 1 | 2788 |
| 0 | 2785 | 0 | 2785 |
| -1 | 2785 | -1 | 2796 |
| -3 | 2787 | -3 | 2816 |
| -5 | 2800 | -5 | 2829 |
| -7 | 2816 | -7 | 2846 |
| -9 | 2833 | -9 | 2865 |
| -11 | 2847 | -11 | 2885 |
| -13 | 2859 | -13 | 2902 |
| -15 | 2877 | -15 | 2915 |
| -17 | 2899 | -17 | 2917 |
| -19.5 | 2926 | -19.5 | 2828 |
| -22.5 | 2961 | -22.5 | 2819 |
| -25.5 | 2997 | -25.5 | 2818 |
| -29 | 3044 | -29 | 2765 |
| -33 | 3131 | -33 | 2788 |
| -37.5 | 3219 | -37.5 | 2893 |
| -42.5 | 3335 | -42.5 | 3127 |
| -47.5 | 3364 | -47.5 | 3004 |
| -55 | 3381 | -55 | 2590 |
| -65 | 2712 | -65 | 1625 |
| -75 | 604 | -75 | 98 |
| -85 | 48 | -85 | 119 |
| -90 | 0 | -90 | 0 |

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CANDELA TABULATION

Maximum Candela = 6434

Beam Edge = 3217 Cd (50% of Max.)

Field Edge = 643.4 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 | 1 | 1 | 1 | 1 | 1 |
| 85.0 | 0 | 7 | 32 | 98 | 169 | 236 | 319 | 453 | 571 | 657 * |
| 75.0 | 0 | 19 | 69 | 146 | 674 * | 1579 * | 2195 * | 2687 * | 3112 * | 3341 * |
| 65.0 | 0 | 31 | 103 | 584 | 2134 * | 3366 * | 3942 * | 4323 * | 4722 * | 4966 * |
| 55.0 | 0 | 39 | 192 | 1458 * | 3452 * | 4109 * | 4470 * | 4613 * | 4887 * | 5026 * |
| 47.5 | 0 | 42 | 282 | 2029 * | 3861 * | 4363 * | 4495 * | 4684 * | 4819 * | 4965 * |
| 42.5 | 0 | 44 | 396 | 2348 * | 3981 * | 4285 * | 4364 * | 4497 * | 4582 * | 4710 * |
| 37.5 | 0 | 45 | 478 | 2608 * | 3937 * | 4147 * | 4221 * | 4294 * | 4384 * | 4437 * |
| 33.0 | 0 | 46 | 526 | 2740 * | 3888 * | 4044 * | 4075 * | 4118 * | 4170 * | 4174 * |
| 29.0 | 0 | 47 | 582 | 2824 * | 3843 * | 3935 * | 3977 * | 3981 * | 3983 * | 3923 * |
| 25.5 | 0 | 48 | 617 | 2901 * | 3787 * | 3856 * | 3864 * | 3862 * | 3813 * | 3737 * |
| 22.5 | 0 | 48 | 636 | 2902 * | 3741 * | 3790 * | 3787 * | 3741 * | 3683 * | 3596 * |
| 19.5 | 0 | 49 | 646 * | 2905 * | 3696 * | 3715 * | 3713 * | 3642 * | 3562 * | 3468 * |
| 17.0 | 0 | 49 | 658 * | 2899 * | 3654 * | 3652 * | 3649 * | 3570 * | 3470 * | 3376 * |
| 15.0 | 0 | 49 | 664 * | 2889 * | 3620 * | 3623 * | 3598 * | 3508 * | 3406 * | 3310 * |
| 13.0 | 0 | 49 | 667 * | 2875 * | 3588 * | 3590 * | 3556 * | 3451 * | 3348 * | 3250 * |
| 11.0 | 0 | 50 | 666 * | 2855 * | 3556 * | 3554 * | 3517 * | 3405 * | 3296 * | 3198 * |
| 9.0 | 0 | 49 | 662 * | 2839 * | 3524 * | 3516 * | 3478 * | 3365 * | 3249 * | 3153 * |
| 7.0 | 0 | 49 | 654 * | 2820 * | 3493 * | 3475 * | 3439 * | 3325 * | 3211 * | 3118 * |
| 5.0 | 0 | 49 | 652 * | 2796 * | 3461 * | 3437 * | 3401 * | 3286 * | 3177 * | 3087 * |
| 3.0 | 0 | 48 | 633 | 2773 * | 3430 * | 3405 * | 3370 * | 3253 * | 3149 * | 3059 * |
| 1.0 | 0 | 48 | 614 | 2732 * | 3397 * | 3378 * | 3347 * | 3229 * | 3136 * | 3048 * |
| 0.0 | 0 | 48 | 604 | 2712 * | 3381 * | 3364 * | 3335 * | 3219 * | 3131 * | 3044 * |
| -1.0 | 0 | 48 | 596 | 2694 * | 3368 * | 3353 * | 3325 * | 3211 * | 3126 * | 3041 * |
| -3.0 | 0 | 47 | 580 | 2657 * | 3342 * | 3331 * | 3306 * | 3198 * | 3117 * | 3038 * |
| -5.0 | 0 | 47 | 564 | 2602 * | 3313 * | 3311 * | 3290 * | 3193 * | 3119 * | 3042 * |
| -7.0 | 0 | 47 | 534 | 2547 * | 3284 * | 3286 * | 3277 * | 3194 * | 3123 * | 3048 * |
| -9.0 | 0 | 46 | 511 | 2486 * | 3244 * | 3257 * | 3264 * | 3196 * | 3128 * | 3058 * |
| -11.0 | 0 | 46 | 485 | 2422 * | 3199 * | 3227 * | 3250 * | 3199 * | 3129 * | 3073 * |
| -13.0 | 0 | 45 | 459 | 2348 * | 3151 * | 3193 * | 3235 * | 3190 * | 3121 * | 3087 * |
| -15.0 | 0 | 44 | 431 | 2271 * | 3099 * | 3155 * | 3206 * | 3168 * | 3106 * | 3098 * |
| -17.0 | 0 | 43 | 403 | 2188 * | 3042 * | 3113 * | 3154 * | 3127 * | 3085 * | 3060 * |
| -19.5 | 0 | 42 | 369 | 2076 * | 2963 * | 3045 * | 3068 * | 3066 * | 3053 * | 3023 * |
| -22.5 | 0 | 41 | 332 | 1930 * | 2856 * | 2954 * | 2953 * | 2988 * | 2997 * | 2988 * |
| -25.5 | 0 | 40 | 293 | 1786 * | 2740 * | 2852 * | 2855 * | 2919 * | 2918 * | 2943 * |
| -29.0 | 0 | 38 | 245 | 1554 * | 2601 * | 2699 * | 2778 * | 2802 * | 2836 * | 2877 * |
| -33.0 | 0 | 37 | 187 | 1297 * | 2402 * | 2553 * | 2631 * | 2666 * | 2729 * | 2763 * |
| -37.5 | 0 | 34 | 151 | 1010 * | 2159 * | 2456 * | 2493 * | 2587 * | 2647 * | 2701 * |
| -42.5 | 0 | 32 | 114 | 697 * | 1829 * | 2260 * | 2379 * | 2477 * | 2607 * | 2719 * |
| -47.5 | 0 | 29 | 80 | 436 | 1389 * | 1949 * | 2146 * | 2303 * | 2376 * | 2510 * |
| -55.0 | 0 | 25 | 55 | 177 | 663 * | 1226 * | 1560 * | 1735 * | 1889 * | 1960 * |
| -65.0 | 0 | 19 | 37 | 54 | 98 | 209 | 350 | 543 | 716 * | 862 * |
| -75.0 | 0 | 11 | 36 | 48 | 74 | 79 | 85 | 89 | 91 | 85 |
| -85.0 | 0 | 4 | 21 | 51 | 84 | 95 | 103 | 102 | 105 | 111 |
| -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 | 738 * | 771 * | 790 * | 804 * | 814 * | 814 * | 834 * | 823 * | 812 * | 801 * |
| 75.0 | 3543 * | 3712 * | 3879 * | 4018 * | 4129 * | 4203 * | 4260 * | 4311 * | 4356 * | 4412 * |
| 65.0 | 5351 * | 5564 * | 5683 * | 5819 * | 5949 * | 6071 * | 6152 * | 6234 * | 6318 * | 6399 * |
| 55.0 | 5242 * | 5396 * | 5524 * | 5624 * | 5705 * | 5787 * | 5832 * | 5862 * | 5896 * | 5934 * |
| 47.5 | 5076 * | 5181 * | 5313 * | 5382 * | 5413 * | 5450 * | 5488 * | 5492 * | 5508 * | 5531 * |
| 42.5 | 4789 * | 4864 * | 4931 * | 4977 * | 4976 * | 4977 * | 4986 * | 4987 * | 4986 * | 4991 * |
| 37.5 | 4460 * | 4466 * | 4466 * | 4453 * | 4433 * | 4414 * | 4398 * | 4384 * | 4363 * | 4350 * |
| 33.0 | 4144 * | 4118 * | 4076 * | 4034 * | 4001 * | 3965 * | 3935 * | 3913 * | 3884 * | 3855 * |
| 29.0 | 3864 * | 3829 * | 3782 * | 3729 * | 3686 * | 3654 * | 3621 * | 3593 * | 3573 * | 3551 * |
| 25.5 | 3677 * | 3629 * | 3568 * | 3521 * | 3483 * | 3450 * | 3422 * | 3401 * | 3386 * | 3367 * |
| 22.5 | 3528 * | 3478 * | 3422 * | 3376 * | 3348 * | 3318 * | 3295 * | 3278 * | 3260 * | 3243 * |
| 19.5 | 3396 * | 3349 * | 3297 * | 3261 * | 3232 * | 3208 * | 3190 * | 3179 * | 3160 * | 3144 * |
| 17.0 | 3305 * | 3260 * | 3213 * | 3180 * | 3152 * | 3133 * | 3117 * | 3103 * | 3088 * | 3071 * |
| 15.0 | 3240 * | 3199 * | 3154 * | 3120 * | 3099 * | 3078 * | 3068 * | 3054 * | 3037 * | 3021 * |
| 13.0 | 3187 * | 3145 * | 3103 * | 3072 * | 3048 * | 3030 * | 3018 * | 3008 * | 2988 * | 2974 * |
| 11.0 | 3140 * | 3096 * | 3057 * | 3027 * | 3006 * | 2988 * | 2977 * | 2963 * | 2947 * | 2930 * |
| 9.0 | 3094 * | 3056 * | 3019 * | 2989 * | 2966 * | 2950 * | 2938 * | 2923 * | 2907 * | 2891 * |
| 7.0 | 3056 * | 3021 * | 2984 * | 2955 * | 2932 * | 2915 * | 2906 * | 2891 * | 2872 * | 2857 * |
| 5.0 | 3032 * | 2995 * | 2954 * | 2926 * | 2905 * | 2889 * | 2876 * | 2862 * | 2845 * | 2827 * |
| 3.0 | 3011 * | 2974 * | 2934 * | 2907 * | 2886 * | 2869 * | 2853 * | 2840 * | 2823 * | 2808 * |
| 1.0 | 3000 * | 2962 * | 2925 * | 2897 * | 2876 * | 2859 * | 2846 * | 2832 * | 2814 * | 2796 * |
| 0.0 | 2997 * | 2961 * | 2926 * | 2899 * | 2877 * | 2859 * | 2847 * | 2833 * | 2816 * | 2800 * |
| -1.0 | 2995 * | 2960 * | 2925 * | 2897 * | 2877 * | 2861 * | 2849 * | 2835 * | 2817 * | 2799 * |
| -3.0 | 2994 * | 2961 * | 2927 * | 2900 * | 2881 * | 2865 * | 2852 * | 2841 * | 2825 * | 2813 * |
| -5.0 | 2999 * | 2968 * | 2932 * | 2908 * | 2890 * | 2876 * | 2867 * | 2855 * | 2843 * | 2832 * |
| -7.0 | 3005 * | 2978 * | 2948 * | 2924 * | 2906 * | 2892 * | 2887 * | 2877 * | 2864 * | 2854 * |
| -9.0 | 3015 * | 2994 * | 2968 * | 2944 * | 2926 * | 2914 * | 2907 * | 2898 * | 2887 * | 2877 * |
| -11.0 | 3029 * | 3011 * | 2986 * | 2964 * | 2948 * | 2936 * | 2932 * | 2921 * | 2911 * | 2901 * |
| -13.0 | 3046 * | 3024 * | 3003 * | 2982 * | 2967 * | 2955 * | 2949 * | 2943 * | 2933 * | 2921 * |
| -15.0 | 3043 * | 3037 * | 3014 * | 2996 * | 2982 * | 2970 * | 2965 * | 2958 * | 2946 * | 2934 * |
| -17.0 | 3021 * | 3036 * | 2997 * | 2984 * | 2973 * | 2954 * | 2959 * | 2939 * | 2929 * | 2930 * |
| -19.5 | 2969 * | 2984 * | 2947 * | 2941 * | 2922 * | 2900 * | 2891 * | 2886 * | 2866 * | 2828 * |
| -22.5 | 2962 * | 2965 * | 2938 * | 2925 * | 2913 * | 2896 * | 2890 * | 2877 * | 2860 * | 2845 * |
| -25.5 | 2935 * | 2944 * | 2916 * | 2910 * | 2892 * | 2882 * | 2881 * | 2847 * | 2826 * | 2825 * |
| -29.0 | 2865 * | 2886 * | 2890 * | 2867 * | 2862 * | 2847 * | 2833 * | 2821 * | 2810 * | 2794 * |
| -33.0 | 2813 * | 2813 * | 2838 * | 2850 * | 2852 * | 2847 * | 2837 * | 2839 * | 2840 * | 2833 * |
| -37.5 | 2774 * | 2816 * | 2861 * | 2892 * | 2912 * | 2922 * | 2930 * | 2936 * | 2922 * | 2911 * |
| -42.5 | 2789 * | 2872 * | 2951 * | 3008 * | 3044 * | 3078 * | 3113 * | 3128 * | 3132 * | 3138 * |
| -47.5 | 2647 * | 2715 * | 2791 * | 2888 * | 2956 * | 3010 * | 3048 * | 3042 * | 3033 * | 3023 * |
| -55.0 | 2107 * | 2181 * | 2269 * | 2376 * | 2439 * | 2486 * | 2518 * | 2545 * | 2569 * | 2591 * |
| -65.0 | 1023 * | 1083 * | 1178 * | 1246 * | 1294 * | 1344 * | 1409 * | 1475 * | 1542 * | 1606 * |
| -75.0 | 82 | 83 | 83 | 82 | 81 | 78 | 77 | 76 | 75 | 74 |
| -85.0 | 116 | 120 | 124 | 128 | 130 | 123 | 119 | 110 | 101 | 92 |
| -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 | 821 * | 842 * | 852 * | 842 * | 821 * | 801 * | 812 * | 823 * | 834 * | 814 * |
| 75.0 | 4417 * | 4420 * | 4421 * | 4420 * | 4417 * | 4412 * | 4356 * | 4311 * | 4260 * | 4203 * |
| 65.0 | 6434 * | 6430 * | 6428 * | 6430 * | 6434 * | 6399 * | 6318 * | 6234 * | 6152 * | 6071 * |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 55.0 | 5940 * | 5940 * | 5940 * | 5940 * | 5940 * | 5934 * | 5896 * | 5862 * | 5832 * | 5787 * |
| 47.5 | 5549 * | 5556 * | 5560 * | 5556 * | 5549 * | 5531 * | 5508 * | 5492 * | 5488 * | 5450 * |
| 42.5 | 4990 * | 4997 * | 5001 * | 4997 * | 4990 * | 4991 * | 4986 * | 4987 * | 4986 * | 4977 * |
| 37.5 | 4347 * | 4338 * | 4340 * | 4338 * | 4347 * | 4350 * | 4363 * | 4384 * | 4398 * | 4414 * |
| 33.0 | 3835 * | 3833 * | 3836 * | 3833 * | 3835 * | 3855 * | 3884 * | 3913 * | 3935 * | 3965 * |
| 29.0 | 3535 * | 3523 * | 3518 * | 3523 * | 3535 * | 3551 * | 3573 * | 3593 * | 3621 * | 3654 * |
| 25.5 | 3352 * | 3341 * | 3337 * | 3341 * | 3352 * | 3367 * | 3386 * | 3401 * | 3422 * | 3450 * |
| 22.5 | 3227 * | 3218 * | 3217 * | 3218 * | 3227 * | 3243 * | 3260 * | 3278 * | 3295 * | 3318 * |
| 19.5 | 3130 * | 3123 * | 3122 * | 3123 * | 3130 * | 3144 * | 3160 * | 3179 * | 3190 * | 3208 * |
| 17.0 | 3060 * | 3054 * | 3053 * | 3054 * | 3060 * | 3071 * | 3088 * | 3103 * | 3117 * | 3133 * |
| 15.0 | 3011 * | 3004 * | 3004 * | 3004 * | 3011 * | 3021 * | 3037 * | 3054 * | 3068 * | 3078 * |
| 13.0 | 2965 * | 2960 * | 2958 * | 2960 * | 2965 * | 2974 * | 2988 * | 3008 * | 3018 * | 3030 * |
| 11.0 | 2923 * | 2919 * | 2918 * | 2919 * | 2923 * | 2930 * | 2947 * | 2963 * | 2977 * | 2988 * |
| 9.0 | 2883 * | 2880 * | 2880 * | 2880 * | 2883 * | 2891 * | 2907 * | 2923 * | 2938 * | 2950 * |
| 7.0 | 2844 * | 2845 * | 2845 * | 2845 * | 2844 * | 2857 * | 2872 * | 2891 * | 2906 * | 2915 * |
| 5.0 | 2817 * | 2813 * | 2816 * | 2813 * | 2817 * | 2827 * | 2845 * | 2862 * | 2876 * | 2889 * |
| 3.0 | 2793 * | 2793 * | 2797 * | 2793 * | 2793 * | 2808 * | 2823 * | 2840 * | 2853 * | 2869 * |
| 1.0 | 2784 * | 2782 * | 2788 * | 2782 * | 2784 * | 2796 * | 2814 * | 2832 * | 2846 * | 2859 * |
| 0.0 | 2787 * | 2785 * | 2785 * | 2785 * | 2787 * | 2800 * | 2816 * | 2833 * | 2847 * | 2859 * |
| -1.0 | 2789 * | 2791 * | 2796 * | 2791 * | 2789 * | 2799 * | 2817 * | 2835 * | 2849 * | 2861 * |
| -3.0 | 2808 * | 2816 * | 2816 * | 2816 * | 2808 * | 2813 * | 2825 * | 2841 * | 2852 * | 2865 * |
| -5.0 | 2828 * | 2830 * | 2829 * | 2830 * | 2828 * | 2832 * | 2843 * | 2855 * | 2867 * | 2876 * |
| -7.0 | 2849 * | 2848 * | 2846 * | 2848 * | 2849 * | 2854 * | 2864 * | 2877 * | 2887 * | 2892 * |
| -9.0 | 2871 * | 2869 * | 2865 * | 2869 * | 2871 * | 2877 * | 2887 * | 2898 * | 2907 * | 2914 * |
| -11.0 | 2894 * | 2889 * | 2885 * | 2889 * | 2894 * | 2901 * | 2911 * | 2921 * | 2932 * | 2936 * |
| -13.0 | 2912 * | 2905 * | 2902 * | 2905 * | 2912 * | 2921 * | 2933 * | 2943 * | 2949 * | 2955 * |
| -15.0 | 2925 * | 2918 * | 2915 * | 2918 * | 2925 * | 2934 * | 2946 * | 2958 * | 2965 * | 2970 * |
| -17.0 | 2928 * | 2920 * | 2917 * | 2920 * | 2928 * | 2930 * | 2929 * | 2939 * | 2959 * | 2954 * |
| -19.5 | 2829 * | 2829 * | 2828 * | 2829 * | 2829 * | 2828 * | 2866 * | 2886 * | 2891 * | 2900 * |
| -22.5 | 2832 * | 2822 * | 2819 * | 2822 * | 2832 * | 2845 * | 2860 * | 2877 * | 2890 * | 2896 * |
| -25.5 | 2824 * | 2821 * | 2818 * | 2821 * | 2824 * | 2825 * | 2826 * | 2847 * | 2881 * | 2882 * |
| -29.0 | 2777 * | 2768 * | 2765 * | 2768 * | 2777 * | 2794 * | 2810 * | 2821 * | 2833 * | 2847 * |
| -33.0 | 2819 * | 2799 * | 2788 * | 2799 * | 2819 * | 2833 * | 2840 * | 2839 * | 2837 * | 2847 * |
| -37.5 | 2902 * | 2895 * | 2893 * | 2895 * | 2902 * | 2911 * | 2922 * | 2936 * | 2930 * | 2922 * |
| -42.5 | 3139 * | 3131 * | 3127 * | 3131 * | 3139 * | 3138 * | 3132 * | 3128 * | 3113 * | 3078 * |
| -47.5 | 3015 * | 3008 * | 3004 * | 3008 * | 3015 * | 3023 * | 3033 * | 3042 * | 3048 * | 3010 * |
| -55.0 | 2592 * | 2591 * | 2590 * | 2591 * | 2592 * | 2591 * | 2569 * | 2545 * | 2518 * | 2486 * |
| -65.0 | 1633 * | 1628 * | 1625 * | 1628 * | 1633 * | 1606 * | 1542 * | 1475 * | 1409 * | 1344 * |
| -75.0 | 83 | 93 | 98 | 93 | 83 | 74 | 75 | 76 | 77 | 78 |
| -85.0 | 103 | 114 | 119 | 114 | 103 | 92 | 101 | 110 | 119 | 123 |
| -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 | 814 * | 804 * | 790 * | 771 * | 738 * | 657 * | 571 | 453 | 319 | 236 |
| 75.0 | 4129 * | 4018 * | 3879 * | 3712 * | 3543 * | 3341 * | 3112 * | 2687 * | 2195 * | 1579 * |
| 65.0 | 5949 * | 5819 * | 5683 * | 5564 * | 5351 * | 4966 * | 4722 * | 4323 * | 3942 * | 3366 * |
| 55.0 | 5705 * | 5624 * | 5524 * | 5396 * | 5242 * | 5026 * | 4887 * | 4613 * | 4470 * | 4109 * |
| 47.5 | 5413 * | 5382 * | 5313 * | 5181 * | 5076 * | 4965 * | 4819 * | 4684 * | 4495 * | 4363 * |
| 42.5 | 4976 * | 4977 * | 4931 * | 4864 * | 4789 * | 4710 * | 4582 * | 4497 * | 4364 * | 4285 * |
| 37.5 | 4433 * | 4453 * | 4466 * | 4466 * | 4460 * | 4437 * | 4384 * | 4294 * | 4221 * | 4147 * |
| 33.0 | 4001 * | 4034 * | 4076 * | 4118 * | 4144 * | 4174 * | 4170 * | 4118 * | 4075 * | 4044 * |
| 29.0 | 3686 * | 3729 * | 3782 * | 3829 * | 3864 * | 3923 * | 3983 * | 3981 * | 3977 * | 3935 * |
| 25.5 | 3483 * | 3521 * | 3568 * | 3629 * | 3677 * | 3737 * | 3813 * | 3862 * | 3864 * | 3856 * |

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

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.5 | 3348 * | 3376 * | 3422 * | 3478 * | 3528 * | 3596 * | 3683 * | 3741 * | 3787 * | 3790 * |
| 19.5 | 3232 * | 3261 * | 3297 * | 3349 * | 3396 * | 3468 * | 3562 * | 3642 * | 3713 * | 3715 * |
| 17.0 | 3152 * | 3180 * | 3213 * | 3260 * | 3305 * | 3376 * | 3470 * | 3570 * | 3649 * | 3652 * |
| 15.0 | 3099 * | 3120 * | 3154 * | 3199 * | 3240 * | 3310 * | 3406 * | 3508 * | 3598 * | 3623 * |
| 13.0 | 3048 * | 3072 * | 3103 * | 3145 * | 3187 * | 3250 * | 3348 * | 3451 * | 3556 * | 3590 * |
| 11.0 | 3006 * | 3027 * | 3057 * | 3096 * | 3140 * | 3198 * | 3296 * | 3405 * | 3517 * | 3554 * |
| 9.0 | 2966 * | 2989 * | 3019 * | 3056 * | 3094 * | 3153 * | 3249 * | 3365 * | 3478 * | 3516 * |
| 7.0 | 2932 * | 2955 * | 2984 * | 3021 * | 3056 * | 3118 * | 3211 * | 3325 * | 3439 * | 3475 * |
| 5.0 | 2905 * | 2926 * | 2954 * | 2995 * | 3032 * | 3087 * | 3177 * | 3286 * | 3401 * | 3437 * |
| 3.0 | 2886 * | 2907 * | 2934 * | 2974 * | 3011 * | 3059 * | 3149 * | 3253 * | 3370 * | 3405 * |
| 1.0 | 2876 * | 2897 * | 2925 * | 2962 * | 3000 * | 3048 * | 3136 * | 3229 * | 3347 * | 3378 * |
| 0.0 | 2877 * | 2899 * | 2926 * | 2961 * | 2997 * | 3044 * | 3131 * | 3219 * | 3335 * | 3364 * |
| -1.0 | 2877 * | 2897 * | 2925 * | 2960 * | 2995 * | 3041 * | 3126 * | 3211 * | 3325 * | 3353 * |
| -3.0 | 2881 * | 2900 * | 2927 * | 2961 * | 2994 * | 3038 * | 3117 * | 3198 * | 3306 * | 3331 * |
| -5.0 | 2890 * | 2908 * | 2932 * | 2968 * | 2999 * | 3042 * | 3119 * | 3193 * | 3290 * | 3311 * |
| -7.0 | 2906 * | 2924 * | 2948 * | 2978 * | 3005 * | 3048 * | 3123 * | 3194 * | 3277 * | 3286 * |
| -9.0 | 2926 * | 2944 * | 2968 * | 2994 * | 3015 * | 3058 * | 3128 * | 3196 * | 3264 * | 3257 * |
| -11.0 | 2948 * | 2964 * | 2986 * | 3011 * | 3029 * | 3073 * | 3129 * | 3199 * | 3250 * | 3227 * |
| -13.0 | 2967 * | 2982 * | 3003 * | 3024 * | 3046 * | 3087 * | 3121 * | 3190 * | 3235 * | 3193 * |
| -15.0 | 2982 * | 2996 * | 3014 * | 3037 * | 3043 * | 3098 * | 3106 * | 3168 * | 3206 * | 3155 * |
| -17.0 | 2973 * | 2984 * | 2997 * | 3036 * | 3021 * | 3060 * | 3085 * | 3127 * | 3154 * | 3113 * |
| -19.5 | 2922 * | 2941 * | 2947 * | 2984 * | 2969 * | 3023 * | 3053 * | 3066 * | 3068 * | 3045 * |
| -22.5 | 2913 * | 2925 * | 2938 * | 2965 * | 2962 * | 2988 * | 2997 * | 2988 * | 2953 * | 2954 * |
| -25.5 | 2892 * | 2910 * | 2916 * | 2944 * | 2935 * | 2943 * | 2918 * | 2919 * | 2855 * | 2852 * |
| -29.0 | 2862 * | 2867 * | 2890 * | 2886 * | 2865 * | 2877 * | 2836 * | 2802 * | 2778 * | 2699 * |
| -33.0 | 2852 * | 2850 * | 2838 * | 2813 * | 2813 * | 2763 * | 2729 * | 2666 * | 2631 * | 2553 * |
| -37.5 | 2912 * | 2892 * | 2861 * | 2816 * | 2774 * | 2701 * | 2647 * | 2587 * | 2493 * | 2456 * |
| -42.5 | 3044 * | 3008 * | 2951 * | 2872 * | 2789 * | 2719 * | 2607 * | 2477 * | 2379 * | 2260 * |
| -47.5 | 2956 * | 2888 * | 2791 * | 2715 * | 2647 * | 2510 * | 2376 * | 2303 * | 2146 * | 1949 * |
| -55.0 | 2439 * | 2376 * | 2269 * | 2181 * | 2107 * | 1960 * | 1889 * | 1735 * | 1560 * | 1226 * |
| -65.0 | 1294 * | 1246 * | 1178 * | 1083 * | 1023 * | 862 * | 716 * | 543 | 350 | 209 |
| -75.0 | 81 | 82 | 83 | 83 | 82 | 85 | 91 | 89 | 85 | 79 |
| -85.0 | 130 | 128 | 124 | 120 | 116 | 111 | 105 | 102 | 103 | 95 |
| -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 | 169 | 98 | 32 | 7 | 0 |
| 75.0 | 674 * | 146 | 69 | 19 | 0 |
| 65.0 | 2134 * | 584 | 103 | 31 | 0 |
| 55.0 | 3452 * | 1458 * | 192 | 39 | 0 |
| 47.5 | 3861 * | 2029 * | 282 | 42 | 0 |
| 42.5 | 3981 * | 2348 * | 396 | 44 | 0 |
| 37.5 | 3937 * | 2608 * | 478 | 45 | 0 |
| 33.0 | 3888 * | 2740 * | 526 | 46 | 0 |
| 29.0 | 3843 * | 2824 * | 582 | 47 | 0 |
| 25.5 | 3787 * | 2901 * | 617 | 48 | 0 |
| 22.5 | 3741 * | 2902 * | 636 | 48 | 0 |
| 19.5 | 3696 * | 2905 * | 646 * | 49 | 0 |
| 17.0 | 3654 * | 2899 * | 658 * | 49 | 0 |
| 15.0 | 3620 * | 2889 * | 664 * | 49 | 0 |
| 13.0 | 3588 * | 2875 * | 667 * | 49 | 0 |
| 11.0 | 3556 * | 2855 * | 666 * | 50 | 0 |
| 9.0 | 3524 * | 2839 * | 662 * | 49 | 0 |

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

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|--------|--------|-------|----|---|
| 7.0 | 3493 * | 2820 * | 654 * | 49 | 0 |
| 5.0 | 3461 * | 2796 * | 652 * | 49 | 0 |
| 3.0 | 3430 * | 2773 * | 633 | 48 | 0 |
| 1.0 | 3397 * | 2732 * | 614 | 48 | 0 |
| 0.0 | 3381 * | 2712 * | 604 | 48 | 0 |
| -1.0 | 3368 * | 2694 * | 596 | 48 | 0 |
| -3.0 | 3342 * | 2657 * | 580 | 47 | 0 |
| -5.0 | 3313 * | 2602 * | 564 | 47 | 0 |
| -7.0 | 3284 * | 2547 * | 534 | 47 | 0 |
| -9.0 | 3244 * | 2486 * | 511 | 46 | 0 |
| -11.0 | 3199 * | 2422 * | 485 | 46 | 0 |
| -13.0 | 3151 * | 2348 * | 459 | 45 | 0 |
| -15.0 | 3099 * | 2271 * | 431 | 44 | 0 |
| -17.0 | 3042 * | 2188 * | 403 | 43 | 0 |
| -19.5 | 2963 * | 2076 * | 369 | 42 | 0 |
| -22.5 | 2856 * | 1930 * | 332 | 41 | 0 |
| -25.5 | 2740 * | 1786 * | 293 | 40 | 0 |
| -29.0 | 2601 * | 1554 * | 245 | 38 | 0 |
| -33.0 | 2402 * | 1297 * | 187 | 37 | 0 |
| -37.5 | 2159 * | 1010 * | 151 | 34 | 0 |
| -42.5 | 1829 * | 697 * | 114 | 32 | 0 |
| -47.5 | 1389 * | 436 | 80 | 29 | 0 |
| -55.0 | 663 * | 177 | 55 | 25 | 0 |
| -65.0 | 98 | 54 | 37 | 19 | 0 |
| -75.0 | 74 | 48 | 36 | 11 | 0 |
| -85.0 | 84 | 51 | 21 | 4 | 0 |
| -90.0 | 0 | 0 | 0 | 0 | 0 |

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7889.58

Total Field Lumens (one side of beam only) = 7769.29

* 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 | 0.65 | 1.27 | 1.23 | 1.22 | 1.23 | 1.24 | 1.23 | 1.20 | 1.19 | 1.44 |
| 85 | 8.02 * | 15.98 * | 15.88 * | 15.72 * | 15.54 * | 15.34 * | 15.06 * | 14.72 * | 14.30 * | 17.16 * |
| 75 | 16.52 * | 33.03 * | 32.91 * | 32.54 * | 32.00 * | 31.43 * | 30.82 * | 30.08 * | 29.16 * | 35.07 * |
| 65 | 18.84 * | 37.66 * | 37.54 * | 37.18 * | 36.66 * | 36.12 * | 35.52 * | 34.75 * | 33.81 * | 40.95 * |
| 55 | 13.13 * | 26.24 * | 26.16 * | 25.98 * | 25.74 * | 25.51 * | 25.20 * | 24.78 * | 24.29 * | 29.62 * |
| 47.5 | 8.04 * | 16.05 * | 16.00 * | 15.92 * | 15.82 * | 15.71 * | 15.57 * | 15.38 * | 15.19 * | 18.62 * |
| 42.5 | 7.11 * | 14.21 * | 14.19 * | 14.15 * | 14.12 * | 14.07 * | 13.98 * | 13.89 * | 13.79 * | 17.02 * |
| 37.5 | 5.60 * | 11.20 * | 11.20 * | 11.21 * | 11.23 * | 11.22 * | 11.20 * | 11.18 * | 11.15 * | 13.85 * |
| 33 | 4.48 * | 8.97 * | 8.98 * | 9.00 * | 9.03 * | 9.04 * | 9.04 * | 9.05 * | 9.05 * | 11.30 * |
| 29 | 3.66 * | 7.33 * | 7.34 * | 7.36 * | 7.37 * | 7.37 * | 7.38 * | 7.38 * | 7.39 * | 9.24 * |
| 25.5 | 3.00 * | 6.00 * | 6.01 * | 6.02 * | 6.03 * | 6.03 * | 6.03 * | 6.03 * | 6.03 * | 7.53 * |
| 22.5 | 2.90 * | 5.80 * | 5.81 * | 5.82 * | 5.83 * | 5.82 * | 5.81 * | 5.81 * | 5.80 * | 7.24 * |
| 19.5 | 2.35 * | 4.71 * | 4.71 * | 4.72 * | 4.72 * | 4.72 * | 4.71 * | 4.70 * | 4.69 * | 5.85 * |
| 17 | 1.85 * | 3.69 * | 3.70 * | 3.70 * | 3.70 * | 3.70 * | 3.69 * | 3.68 * | 3.67 * | 4.58 * |
| 15 | 1.82 * | 3.63 * | 3.64 * | 3.64 * | 3.65 * | 3.64 * | 3.63 * | 3.62 * | 3.61 * | 4.50 * |
| 13 | 1.79 * | 3.58 * | 3.58 * | 3.59 * | 3.59 * | 3.59 * | 3.58 * | 3.57 * | 3.56 * | 4.43 * |
| 11 | 1.77 * | 3.53 * | 3.53 * | 3.54 * | 3.54 * | 3.54 * | 3.53 * | 3.52 * | 3.51 * | 4.37 * |
| 9 | 1.74 * | 3.49 * | 3.49 * | 3.49 * | 3.50 * | 3.50 * | 3.49 * | 3.48 * | 3.47 * | 4.32 * |
| 7 | 1.72 * | 3.45 * | 3.45 * | 3.45 * | 3.46 * | 3.46 * | 3.45 * | 3.44 * | 3.43 * | 4.27 * |
| 5 | 1.71 * | 3.41 * | 3.42 * | 3.42 * | 3.43 * | 3.43 * | 3.42 * | 3.41 * | 3.40 * | 4.24 * |
| 3 | 1.70 * | 3.39 * | 3.40 * | 3.41 * | 3.41 * | 3.41 * | 3.40 * | 3.40 * | 3.39 * | 4.22 * |
| 1 | 0.85 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.69 * | 2.11 * |
| 0 | 0.85 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.70 * | 1.69 * | 2.11 * |
| -1 | 1.71 * | 3.41 * | 3.41 * | 3.41 * | 3.41 * | 3.41 * | 3.40 * | 3.39 * | 3.38 * | 4.21 * |

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

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -3 | 1.72 * | 3.43 * | 3.43 * | 3.43 * | 3.43 * | 3.42 * | 3.41 * | 3.40 * | 3.39 * | 4.22 * |
| -5 | 1.73 * | 3.46 * | 3.45 * | 3.45 * | 3.45 * | 3.45 * | 3.43 * | 3.42 * | 3.40 * | 4.23 * |
| -7 | 1.74 * | 3.48 * | 3.48 * | 3.48 * | 3.48 * | 3.47 * | 3.46 * | 3.44 * | 3.43 * | 4.26 * |
| -9 | 1.75 * | 3.51 * | 3.51 * | 3.51 * | 3.50 * | 3.50 * | 3.48 * | 3.47 * | 3.45 * | 4.29 * |
| -11 | 1.76 * | 3.53 * | 3.53 * | 3.53 * | 3.53 * | 3.52 * | 3.51 * | 3.49 * | 3.47 * | 4.32 * |
| -13 | 1.77 * | 3.55 * | 3.55 * | 3.55 * | 3.55 * | 3.54 * | 3.53 * | 3.51 * | 3.49 * | 4.34 * |
| -15 | 1.78 * | 3.56 * | 3.56 * | 3.56 * | 3.55 * | 3.55 * | 3.53 * | 3.51 * | 3.49 * | 4.34 * |
| -17 | 2.19 * | 4.38 * | 4.37 * | 4.37 * | 4.38 * | 4.38 * | 4.36 * | 4.34 * | 4.33 * | 5.36 * |
| -19.5 | 2.58 * | 5.17 * | 5.17 * | 5.18 * | 5.20 * | 5.19 * | 5.17 * | 5.16 * | 5.14 * | 6.37 * |
| -22.5 | 2.58 * | 5.16 * | 5.16 * | 5.16 * | 5.16 * | 5.17 * | 5.16 * | 5.14 * | 5.11 * | 6.34 * |
| -25.5 | 2.98 * | 5.96 * | 5.97 * | 5.97 * | 5.97 * | 5.98 * | 5.97 * | 5.94 * | 5.91 * | 7.33 * |
| -29 | 3.39 * | 6.80 * | 6.82 * | 6.83 * | 6.82 * | 6.80 * | 6.77 * | 6.74 * | 6.69 * | 8.28 * |
| -33 | 3.90 * | 7.82 * | 7.84 * | 7.84 * | 7.83 * | 7.79 * | 7.73 * | 7.67 * | 7.58 * | 9.31 * |
| -37.5 | 4.59 * | 9.18 * | 9.18 * | 9.17 * | 9.14 * | 9.08 * | 8.97 * | 8.83 * | 8.68 * | 10.59 * |
| -42.5 | 4.67 * | 9.36 * | 9.36 * | 9.33 * | 9.30 * | 9.25 * | 9.12 * | 8.93 * | 8.71 * | 10.52 * |
| -47.5 | 6.39 * | 12.79 * | 12.79 * | 12.74 * | 12.66 * | 12.55 * | 12.36 * | 12.07 * | 11.70 * | 14.00 * |
| -55 | 6.42 * | 12.85 * | 12.80 * | 12.58 * | 12.26 * | 11.92 * | 11.56 * | 11.18 * | 10.77 * | 12.78 * |
| -65 | 2.62 * | 5.23 * | 5.16 * | 4.99 * | 4.78 * | 4.56 * | 4.33 * | 4.13 * | 3.96 * | 4.68 * |
| -75 | 0.32 | 0.60 | 0.53 | 0.52 | 0.55 | 0.57 | 0.59 | 0.61 | 0.62 | 0.75 |
| -85 | 0.09 | 0.17 | 0.15 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.23 |
| -90 | | | | | | | | | | |
| Total | 166.77 | 333.40 | 332.76 | 331.26 | 329.11 | 326.56 | 323.20 | 319.01 | 314.16 | 384.80 |

Vert. Horizontal Angles

| Angles | 19.5 | 22.5 | 25.5 | 29 | 33 | 37.5 | 42.5 | 47.5 | 55 | 65 |
|---------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| 90 | 1.67 | 1.58 | 1.65 | 1.61 | 1.44 | 1.13 | 0.75 | 0.73 | 0.51 | 0.17 |
| 85 | 19.52 * | 18.29 * | 19.61 * | 20.05 * | 19.09 * | 16.49 * | 11.65 * | 9.50 * | 4.13 | 0.90 |
| 75 | 40.17 * | 37.92 * | 40.75 * | 42.14 * | 41.53 * | 38.34 * | 29.83 * | 27.70 * | 13.45 * | 2.35 |
| 65 | 47.27 * | 44.98 * | 48.77 * | 51.17 * | 51.89 * | 50.59 * | 42.76 * | 46.66 * | 29.01 * | 6.08 |
| 55 | 34.25 * | 32.70 * | 36.09 * | 38.57 * | 39.88 * | 39.94 * | 35.20 * | 42.29 * | 30.80 * | 7.73 * |

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

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 47.5 | | | | | | | | | | |
| | 21.63 * | 20.77 * | 23.15 * | 24.90 * | 25.99 * | 26.30 * | 23.56 * | 29.45 * | 23.23 * | 6.57 * |
| 42.5 | 19.97 * | 19.39 * | 21.79 * | 23.64 * | 24.84 * | 25.33 * | 22.90 * | 29.20 * | 24.48 * | 7.58 * |
| 37.5 | 16.44 * | 16.14 * | 18.35 * | 20.16 * | 21.36 * | 21.92 * | 19.97 * | 25.75 * | 22.54 * | 7.44 * |
| 33 | 13.48 * | 13.32 * | 15.26 * | 16.97 * | 18.19 * | 18.84 * | 17.26 * | 22.45 * | 20.22 * | 6.94 * |
| 29 | 11.05 * | 10.96 * | 12.61 * | 14.12 * | 15.31 * | 16.01 * | 14.73 * | 19.28 * | 17.78 * | 6.30 * |
| 25.5 | 9.02 * | 8.96 * | 10.33 * | 11.61 * | 12.67 * | 13.34 * | 12.35 * | 16.26 * | 15.21 * | 5.51 * |
| 22.5 | 8.67 * | 8.61 * | 9.94 * | 11.21 * | 12.28 * | 13.02 * | 12.12 * | 16.01 * | 15.11 * | 5.53 * |
| 19.5 | 6.99 * | 6.94 * | 8.02 * | 9.06 * | 9.96 * | 10.62 * | 9.91 * | 13.14 * | 12.51 * | 4.62 * |
| 17 | 5.47 * | 5.43 * | 6.27 * | 7.08 * | 7.81 * | 8.35 * | 7.82 * | 10.40 * | 9.93 * | 3.70 * |
| 15 | 5.37 * | 5.33 * | 6.15 * | 6.95 * | 7.67 * | 8.23 * | 7.73 * | 10.30 * | 9.87 * | 3.69 * |
| 13 | 5.29 * | 5.25 * | 6.05 * | 6.84 * | 7.55 * | 8.12 * | 7.65 * | 10.21 * | 9.79 * | 3.67 * |
| 11 | 5.22 * | 5.17 * | 5.96 * | 6.73 * | 7.45 * | 8.03 * | 7.57 * | 10.11 * | 9.72 * | 3.65 * |
| 9 | 5.15 * | 5.10 * | 5.89 * | 6.65 * | 7.36 * | 7.94 * | 7.49 * | 10.01 * | 9.64 * | 3.63 * |
| 7 | 5.10 * | 5.05 * | 5.82 * | 6.57 * | 7.27 * | 7.84 * | 7.40 * | 9.91 * | 9.56 * | 3.60 * |
| 5 | 5.06 * | 5.01 * | 5.78 * | 6.51 * | 7.20 * | 7.76 * | 7.33 * | 9.81 * | 9.48 * | 3.57 * |
| 3 | 5.03 * | 4.99 * | 5.74 * | 6.47 * | 7.14 * | 7.70 * | 7.27 * | 9.72 * | 9.38 * | 3.51 * |
| 1 | 2.51 * | 2.49 * | 2.86 * | 3.23 * | 3.56 * | 3.83 * | 3.61 * | 4.83 * | 4.65 * | 1.73 * |
| 0 | 2.51 * | 2.49 * | 2.86 * | 3.22 * | 3.55 * | 3.82 * | 3.60 * | 4.81 * | 4.62 * | 1.72 * |
| -1 | 5.02 * | 4.97 * | 5.72 * | 6.43 * | 7.08 * | 7.60 * | 7.17 * | 9.57 * | 9.17 * | 3.40 * |
| -3 | 5.03 * | 4.98 * | 5.72 * | 6.43 * | 7.07 * | 7.57 * | 7.13 * | 9.50 * | 9.06 * | 3.33 * |
| -5 | 5.04 * | 4.99 * | 5.73 * | 6.44 * | 7.07 * | 7.55 * | 7.09 * | 9.43 * | 8.93 * | 3.25 * |
| -7 | 5.07 * | 5.01 * | 5.75 * | 6.45 * | 7.07 * | 7.54 * | 7.04 * | 9.34 * | 8.79 * | 3.16 * |
| -9 | 5.10 * | 5.03 * | 5.77 * | 6.47 * | 7.08 * | 7.53 * | 7.00 * | 9.24 * | 8.63 * | 3.07 * |
| -11 | 5.13 * | 5.05 * | 5.80 * | 6.48 * | 7.07 * | 7.51 * | 6.95 * | 9.12 * | 8.46 * | 2.97 * |
| -13 | 5.15 * | 5.07 * | 5.82 * | 6.48 * | 7.04 * | 7.46 * | 6.88 * | 9.00 * | 8.27 * | 2.87 * |
| -15 | 5.15 * | 5.07 * | 5.79 * | 6.45 * | 6.99 * | 7.38 * | 6.80 * | 8.87 * | 8.06 * | 2.75 * |
| -17 | 6.38 * | 6.27 * | 7.15 * | 7.98 * | 8.63 * | 9.05 * | 8.33 * | 10.86 * | 9.76 * | 3.28 * |
| -19.5 | 7.57 * | 7.44 * | 8.49 * | 9.45 * | 10.16 * | 10.56 * | 9.71 * | 12.67 * | 11.21 * | 3.67 * |

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

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| -22.5 | 7.53 * | 7.39 * | 8.41 * | 9.28 * | 9.92 * | 10.25 * | 9.38 * | 12.22 * | 10.62 * | 3.39 * |
| -25.5 | 8.69 * | 8.49 * | 9.64 * | 10.58 * | 11.24 * | 11.59 * | 10.54 * | 13.62 * | 11.55 * | 3.53 * |
| -29 | 9.75 * | 9.50 * | 10.73 * | 11.70 * | 12.35 * | 12.69 * | 11.48 * | 14.65 * | 11.95 * | 3.42 * |
| -33 | 10.87 * | 10.53 * | 11.78 * | 12.73 * | 13.38 * | 13.62 * | 12.27 * | 15.38 * | 11.75 * | 3.10 * |
| -37.5 | 12.26 * | 11.74 * | 13.01 * | 13.93 * | 14.43 * | 14.49 * | 12.90 * | 15.55 * | 10.83 * | 2.56 |
| -42.5 | 12.08 * | 11.50 * | 12.63 * | 13.33 * | 13.66 * | 13.57 * | 11.75 * | 13.27 * | 8.27 * | 1.73 |
| -47.5 | 15.92 * | 15.10 * | 16.39 * | 17.10 * | 17.42 * | 16.94 * | 13.89 * | 14.00 * | 7.60 * | 1.46 |
| -55 | 14.31 * | 13.34 * | 14.10 * | 14.17 * | 13.66 * | 12.21 * | 9.00 * | 7.85 | 3.77 | 0.84 |
| -65 | 5.18 | 4.74 | 4.86 | 4.58 | 4.03 | 3.11 | 1.95 | 1.64 | 1.04 | 0.46 |
| -75 | 0.87 | 0.84 | 0.93 | 1.02 | 1.08 | 1.11 | 0.97 | 1.19 | 0.98 | 0.41 |
| -85 | 0.26 | 0.25 | 0.27 | 0.28 | 0.29 | 0.30 | 0.27 | 0.32 | 0.26 | 0.09 |
| -90 | | | | | | | | | | |
| Total | 449.22 | 434.15 | 484.21 | 523.21 | 547.72 | 553.11 | 488.96 | 595.82 | 484.61 | 152.93 |

| Vert. Angles | Horizontal Angles | | | |
|-------------------------|--------------------------|------------------|------------------|---------------------|
| | <u>75</u> | <u>85</u> | <u>90</u> | <u>Total</u> |
| 90 | | | | |
| | 0.03 | 0.00 | | 23.16 |
| 85 | | | | |
| | 0.17 | 0.00 | | 287.12 |
| 75 | | | | |
| | 0.29 | 0.01 | | 618.04 |
| 65 | | | | |
| | 0.48 | 0.01 | | 768.69 |
| 55 | | | | |
| | 0.55 | 0.01 | | 584.65 |
| 47.5 | | | | |
| | 0.50 | 0.01 | | 378.39 |
| 42.5 | | | | |
| | 0.64 | 0.01 | | 356.31 |
| 37.5 | | | | |
| | 0.65 | 0.01 | | 299.79 |
| 33 | | | | |
| | 0.63 | 0.01 | | 251.50 |
| 29 | | | | |
| | 0.60 | 0.01 | | 210.55 |
| 25.5 | | | | |
| | 0.53 | 0.00 | | 174.52 |
| 22.5 | | | | |
| | 0.55 | 0.00 | | 169.69 |
| 19.5 | | | | |
| | 0.46 | 0.00 | | 138.15 |
| 17 | | | | |
| | 0.38 | 0.00 | | 108.61 |

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

LUMENS TABULATION - (Cont.)

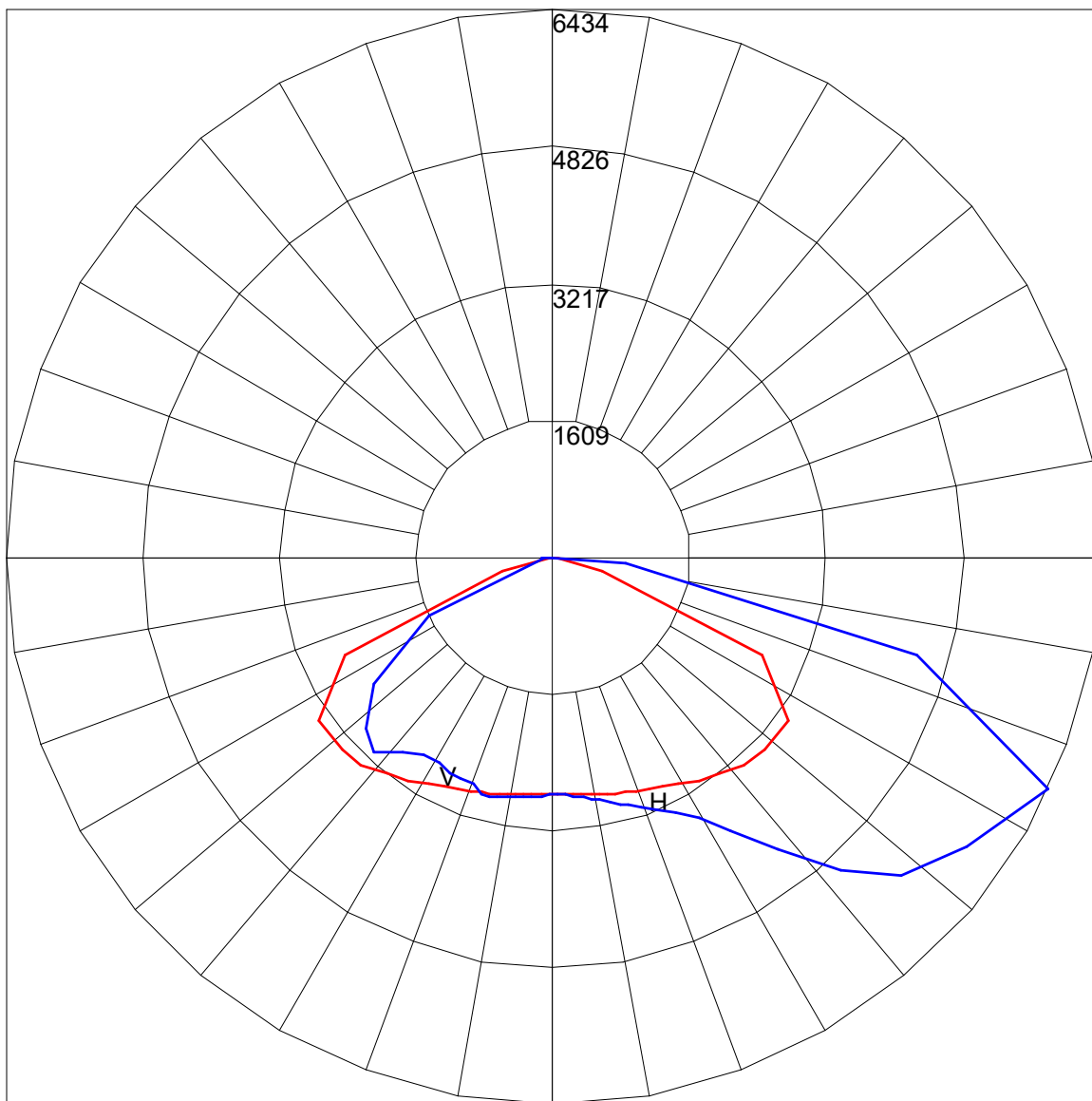
| | | | |
|--------------|------|------|--------|
| 15 | 0.38 | 0.00 | 107.08 |
| 13 | 0.38 | 0.00 | 105.67 |
| 11 | 0.38 | 0.00 | 104.37 |
| 9 | 0.37 | 0.00 | 103.18 |
| 7 | 0.37 | 0.00 | 102.10 |
| 5 | 0.37 | 0.00 | 101.17 |
| 3 | 0.35 | 0.00 | 100.44 |
| 1 | 0.17 | 0.00 | 50.01 |
| 0 | 0.17 | 0.00 | 49.92 |
| -1 | 0.34 | 0.00 | 99.63 |
| -3 | 0.33 | 0.00 | 99.43 |
| -5 | 0.31 | 0.00 | 99.31 |
| -7 | 0.30 | 0.00 | 99.24 |
| -9 | 0.29 | 0.00 | 99.17 |
| -11 | 0.27 | 0.00 | 99.02 |
| -13 | 0.26 | 0.00 | 98.70 |
| -15 | 0.24 | 0.00 | 97.97 |
| -17 | 0.28 | 0.00 | 120.43 |
| -19.5 | 0.31 | 0.00 | 141.56 |
| -22.5 | 0.28 | 0.00 | 138.81 |
| -25.5 | 0.28 | 0.00 | 157.70 |
| -29 | 0.27 | 0.00 | 174.42 |
| -33 | 0.24 | 0.01 | 190.98 |
| -37.5 | 0.22 | 0.01 | 209.34 |
| -42.5 | 0.17 | 0.01 | 200.51 |
| -47.5 | 0.19 | 0.01 | 256.08 |
| -55 | 0.18 | 0.01 | 218.56 |
| -65 | 0.14 | 0.00 | 76.16 |

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

LUMENS TABULATION - (Cont.)

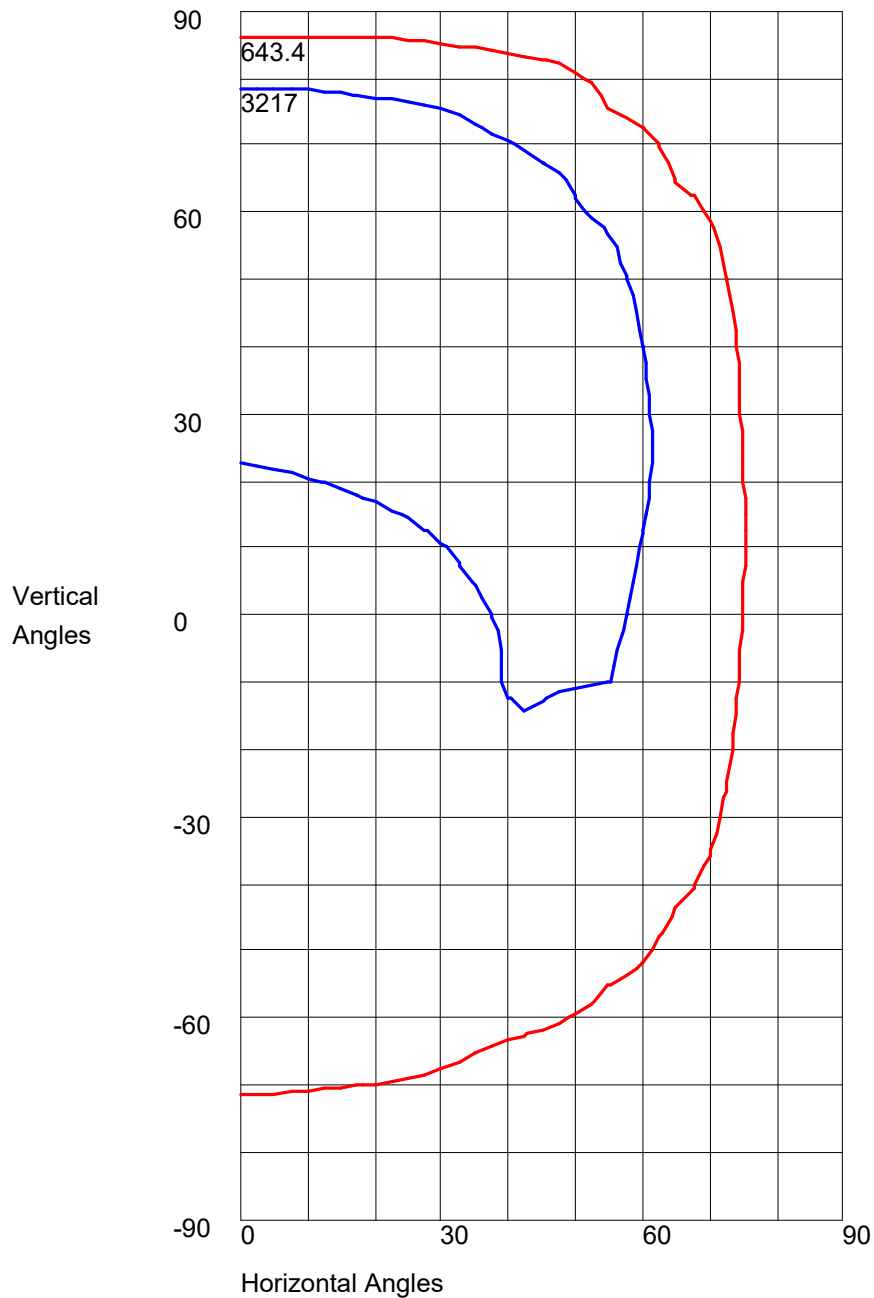
| | | | |
|--------------|-------|------|---------|
| -75 | 0.10 | 0.00 | 15.16 |
| -85 | 0.02 | 0.00 | 4.26 |
| -90 | | | |
| Total | 14.41 | 0.19 | 7889.58 |

AXIAL CANDELA DISPLAY



Maximum Candela = 6434 Located At Horizontal Angle = -3, Vertical Angle = 65
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6434 Located At Horizontal Angle = -3, Vertical Angle = 65
50% Maximum Candela = 3217
10% Maximum Candela = 643.4