

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** ASD-LSF7-8A90W50K

**Manufacturer:** Jiangsu Ever-tie Lighting Inc

**Luminaire Cat:** Direct Linear Ambient Luminaires

**Lamp Output:** 1 lamp, rated Lumens/lamp: 11889

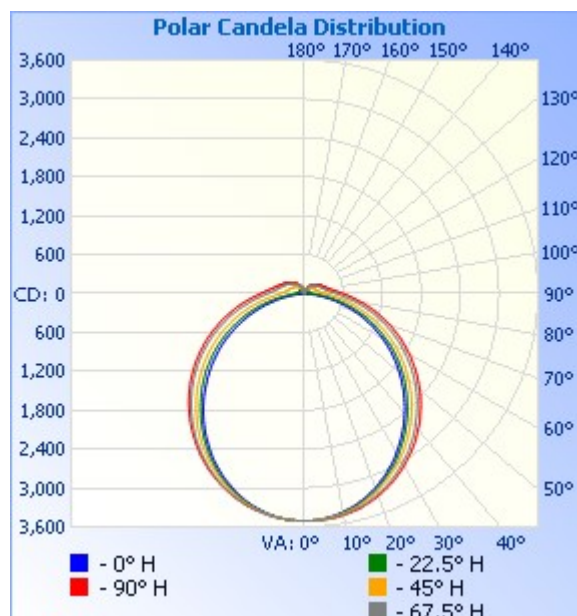
**Max Candela:** 3,507.6 at Horizontal: 90°, Vertical: 2°

**Input Wattage:** 88.8

**Luminous Opening:** Rectangle w/Luminous Sides (L: 1.2M, W: 0.08M, H: 0.03M)

**Photometry :** Type C

**Cutoff Class:** Noncutoff



### Flood Summary

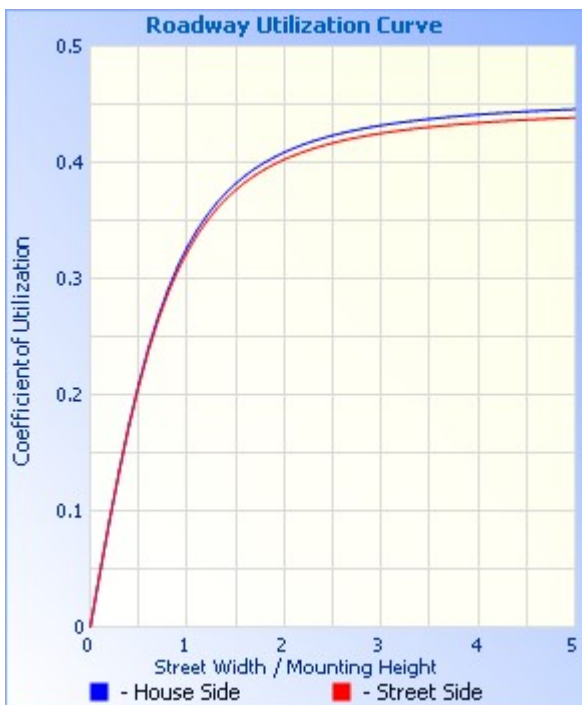
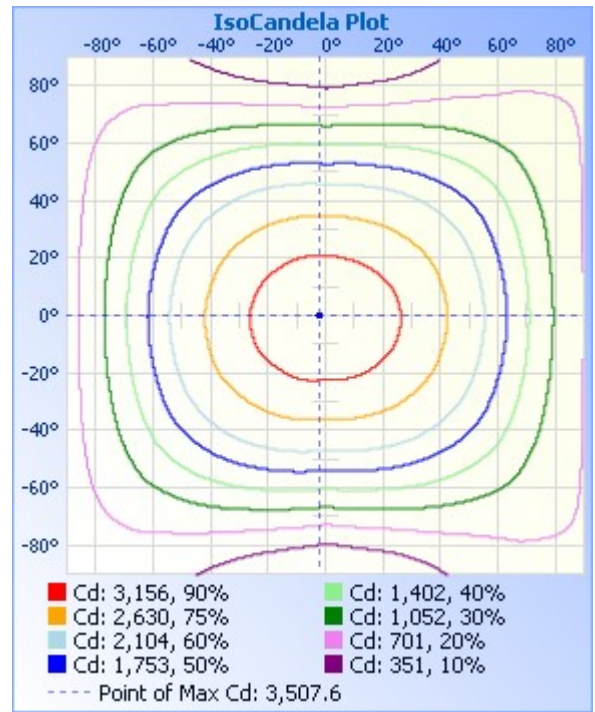
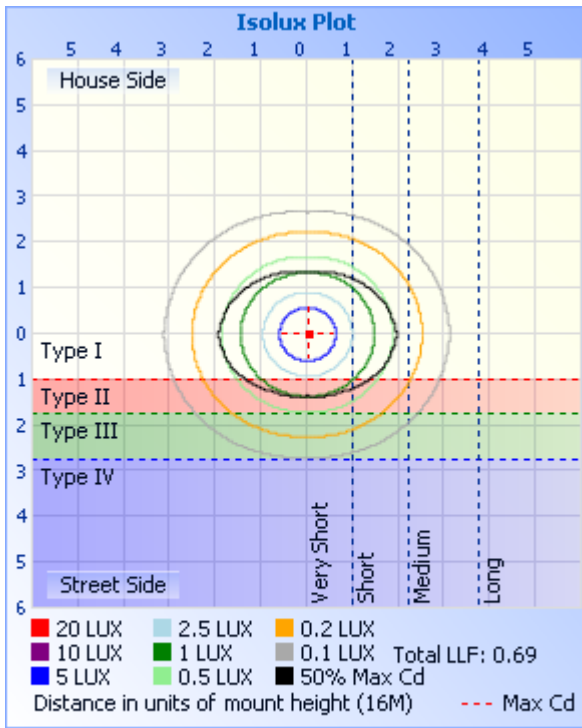
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93%	11,052.5	n/a	159.4
Beam (50%):	64.4%	7,651.7	125.3	107.1
<b>Total:</b>	<b>100.1%</b>	<b>11,898.7</b>		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,718.5	22.9%	22.8%
0-40	4,453.0	37.5%	37.4%
0-60	7,961.6	67%	66.9%
60-90	2,861.0	24.1%	24%
70-100	1,787.7	15%	15%
90-120	721.7	6.1%	6.1%
0-90	10,822.6	91%	90.9%
90-180	1,077.7	9.1%	9.1%
0-180	11,900.4	100.1%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	83.6	0.7%	90-95	168.1	1.4%
5-10	248.0	2.1%	95-100	140.1	1.2%
10-15	403.9	3.4%	100-105	122.2	1%
15-20	545.7	4.6%	105-110	108.7	0.9%
20-25	668.6	5.6%	110-115	96.8	0.8%
25-30	768.8	6.5%	115-120	85.8	0.7%
30-35	843.4	7.1%	120-125	75.1	0.6%
35-40	891.1	7.5%	125-130	64.6	0.5%
40-45	911.6	7.7%	130-135	54.6	0.5%
45-50	905.7	7.6%	135-140	45.0	0.4%
50-55	873.9	7.3%	140-145	36.1	0.3%
55-60	817.4	6.9%	145-150	28.0	0.2%
60-65	739.0	6.2%	150-155	20.7	0.2%
65-70	642.5	5.4%	155-160	14.5	0.1%
70-75	532.7	4.5%	160-165	9.3	0.1%
75-80	417.8	3.5%	165-170	5.3	0%
80-85	308.7	2.6%	170-175	2.4	0%
85-90	220.4	1.9%	175-180	0.6	0%



**Illuminance at a Distance**

	Center Beam LUX	Beam Width	
2.67M	493 LUX	7.22 M	10.30 M
5.33M	123 LUX	14.43 M	20.61 M
8.00M	54.7 LUX	21.65 M	30.91 M
10.67M	30.8 LUX	28.87 M	41.22 M
13.33M	19.7 LUX	36.08 M	51.51 M
16.00M	13.7 LUX	43.29 M	61.81 M

Vert. Spread: 107.1°

Horiz. Spread: 125.3°

**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	.91	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.91
1	1.05	1.00	.95	.91	1.02	.97	.93	.74	.91	.87	.84	.85	.83	.80	.80	.78	.76	.73
2	.95	.87	.79	.73	.92	.84	.77	.61	.79	.73	.68	.74	.70	.66	.70	.66	.63	.60
3	.87	.76	.67	.60	.83	.73	.65	.52	.69	.62	.57	.65	.59	.55	.61	.57	.53	.50
4	.79	.67	.58	.51	.76	.65	.56	.44	.61	.54	.48	.58	.52	.47	.54	.49	.45	.42
5	.73	.59	.50	.43	.70	.58	.49	.38	.55	.47	.41	.52	.45	.40	.49	.43	.39	.37
6	.67	.53	.44	.38	.64	.52	.43	.34	.49	.42	.36	.47	.40	.35	.44	.39	.34	.32
7	.62	.48	.39	.33	.60	.47	.39	.30	.45	.37	.32	.42	.36	.31	.40	.35	.30	.28

8	.58	.44	.35	.30	.56	.43	.35	.27	.41	.34	.28	.39	.32	.28	.37	.31	.27	.25
9	.54	.40	.32	.26	.52	.39	.32	.24	.38	.31	.26	.36	.29	.25	.34	.29	.24	.22
10	.50	.37	.29	.24	.49	.36	.29	.22	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20

Candela Table - Type C																	
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504	3504
1	3503	3506	3502	3503	3506	3506	3505	3505	3503	3505	3506	3503	3504	3503	3500	3501	3503
2	3502	3502	3502	3504	3508	3504	3503	3505	3503	3505	3504	3500	3504	3497	3498	3495	3502
3	3497	3497	3500	3503	3505	3501	3499	3502	3501	3500	3499	3499	3500	3494	3490	3490	3497
4	3489	3493	3490	3504	3501	3501	3501	3499	3497	3495	3494	3495	3500	3490	3484	3483	3489
5	3481	3485	3487	3497	3498	3500	3497	3496	3491	3489	3489	3490	3492	3483	3477	3474	3481
6	3472	3477	3481	3490	3494	3492	3491	3490	3484	3481	3480	3485	3483	3478	3469	3468	3472
7	3460	3468	3472	3484	3488	3491	3483	3482	3474	3473	3475	3478	3477	3469	3461	3452	3460
8	3448	3456	3465	3475	3486	3484	3475	3471	3458	3467	3468	3470	3472	3461	3450	3442	3448
9	3434	3445	3452	3467	3478	3476	3468	3461	3447	3452	3457	3462	3461	3450	3437	3430	3434
10	3419	3426	3439	3457	3467	3471	3459	3449	3430	3442	3443	3451	3451	3441	3423	3415	3419
11	3400	3413	3429	3447	3457	3455	3444	3437	3416	3424	3434	3441	3441	3429	3409	3398	3400
12	3383	3398	3411	3437	3448	3444	3432	3421	3398	3412	3417	3431	3428	3416	3393	3377	3383
13	3364	3380	3398	3421	3433	3435	3419	3403	3381	3394	3401	3419	3417	3401	3378	3362	3364
14	3344	3364	3383	3406	3426	3422	3400	3389	3361	3376	3383	3401	3401	3385	3359	3340	3344
15	3321	3341	3358	3392	3411	3406	3382	3371	3341	3351	3367	3387	3389	3370	3340	3320	3321
16	3298	3319	3337	3376	3391	3391	3364	3350	3317	3331	3349	3369	3372	3354	3319	3295	3298
17	3271	3297	3316	3356	3375	3375	3346	3327	3291	3312	3330	3351	3352	3335	3299	3272	3271
18	3242	3268	3294	3338	3359	3353	3324	3305	3267	3288	3305	3334	3337	3316	3274	3247	3242
19	3216	3242	3271	3316	3339	3335	3299	3279	3240	3263	3284	3312	3319	3296	3250	3220	3216
20	3187	3214	3248	3292	3321	3314	3276	3256	3208	3234	3259	3291	3298	3274	3226	3194	3187
21	3158	3188	3220	3271	3301	3293	3252	3228	3177	3209	3236	3268	3276	3252	3201	3162	3158
22	3124	3159	3193	3248	3273	3271	3226	3200	3149	3180	3210	3245	3253	3228	3172	3134	3124
23	3091	3127	3168	3226	3253	3250	3201	3172	3117	3151	3180	3223	3233	3202	3145	3105	3091
24	3059	3094	3138	3198	3232	3221	3171	3143	3087	3118	3150	3198	3209	3173	3117	3071	3059
25	3022	3059	3105	3169	3206	3197	3141	3108	3050	3087	3122	3168	3183	3152	3088	3035	3022
26	2984	3025	3074	3141	3179	3170	3117	3075	3017	3054	3092	3141	3157	3123	3053	3003	2984
27	2953	2994	3042	3114	3151	3146	3082	3041	2980	3018	3059	3115	3131	3095	3022	2968	2953
28	2914	2958	3010	3081	3124	3113	3052	3004	2946	2981	3026	3086	3106	3064	2989	2932	2914
29	2877	2923	2974	3052	3096	3085	3020	2970	2909	2945	2996	3056	3077	3037	2957	2895	2877
30	2833	2883	2941	3018	3068	3055	2985	2933	2867	2911	2962	3026	3046	3006	2923	2855	2833
31	2791	2844	2907	2985	3035	3020	2955	2892	2827	2873	2925	2992	3015	2975	2886	2817	2791
32	2749	2797	2870	2954	3003	2988	2912	2859	2786	2827	2890	2960	2985	2941	2853	2782	2749
33	2713	2760	2831	2922	2971	2953	2876	2817	2741	2791	2855	2928	2954	2907	2816	2744	2713
34	2667	2720	2791	2887	2940	2923	2838	2775	2703	2751	2820	2891	2920	2873	2778	2697	2667
35	2625	2676	2754	2845	2905	2886	2801	2735	2658	2710	2783	2856	2887	2841	2736	2655	2625
36	2582	2637	2715	2814	2872	2853	2764	2693	2615	2667	2741	2825	2854	2804	2698	2614	2582
37	2536	2591	2673	2778	2838	2815	2724	2648	2568	2621	2705	2788	2817	2769	2662	2571	2536
38	2490	2548	2630	2737	2800	2774	2683	2602	2524	2578	2663	2747	2782	2732	2621	2526	2490
39	2444	2503	2596	2699	2759	2738	2643	2561	2477	2535	2626	2710	2748	2696	2584	2484	2444
40	2399	2462	2550	2657	2724	2701	2599	2516	2430	2492	2579	2671	2712	2659	2539	2440	2399
41	2356	2414	2506	2614	2689	2663	2559	2466	2383	2442	2539	2635	2678	2616	2500	2397	2356
42	2307	2371	2463	2577	2653	2623	2518	2421	2333	2399	2496	2595	2638	2579	2459	2349	2307
43	2259	2322	2422	2538	2612	2579	2474	2377	2286	2353	2456	2553	2600	2541	2414	2306	2259
44	2210	2276	2375	2494	2568	2535	2431	2326	2237	2306	2409	2514	2563	2497	2372	2260	2210
45	2160	2231	2331	2454	2529	2498	2388	2280	2188	2259	2365	2474	2521	2457	2330	2215	2160
46	2114	2184	2288	2413	2491	2457	2343	2235	2133	2213	2323	2434	2485	2417	2288	2171	2114
47	2061	2136	2243	2369	2446	2409	2294	2188	2082	2169	2278	2392	2444	2375	2245	2120	2061
48	2016	2091	2195	2327	2405	2364	2251	2142	2034	2122	2233	2346	2404	2334	2198	2075	2016
49	1965	2043	2148	2281	2365	2324	2206	2093	1983	2075	2185	2306	2364	2288	2155	2028	1965
50	1913	1994	2102	2239	2317	2276	2157	2045	1931	2024	2140	2265	2319	2246	2110	1975	1913







**Luminaire Report Summary**

IESNA:LM-63-2002

[TEST]

[ISSUE DATE]

[TEST LAB]

[MANUFAC] Jiangsu Ever-tie Lighting Inc

[LUMCAT] Direct Linear Ambient Luminaires

[LAMPCAT]

[LAMP]

FILE: CANDELA MULTIPLIER: 1.92

FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: METRIC

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.