

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** ASD-LSF7-8A90

**Manufacturer:** ASD Lighting Corp

**Luminaire Cat:** Direct Linear Ambient Luminaires

**Lamp Output:** 1 lamp, rated Lumens/lamp: 10402

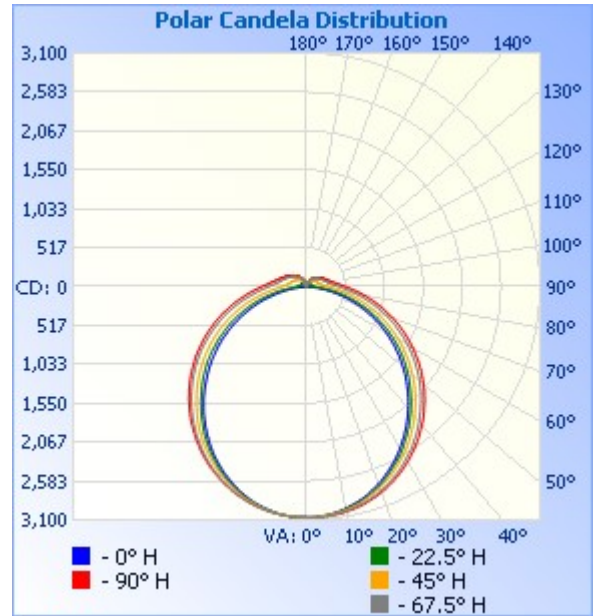
**Max Candela:** 3,069.2 at Horizontal: 90°, Vertical: 2°

**Input Wattage:** 75

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

**Photometry :** Type C

**Cutoff Class:** Noncutoff



### Flood Summary

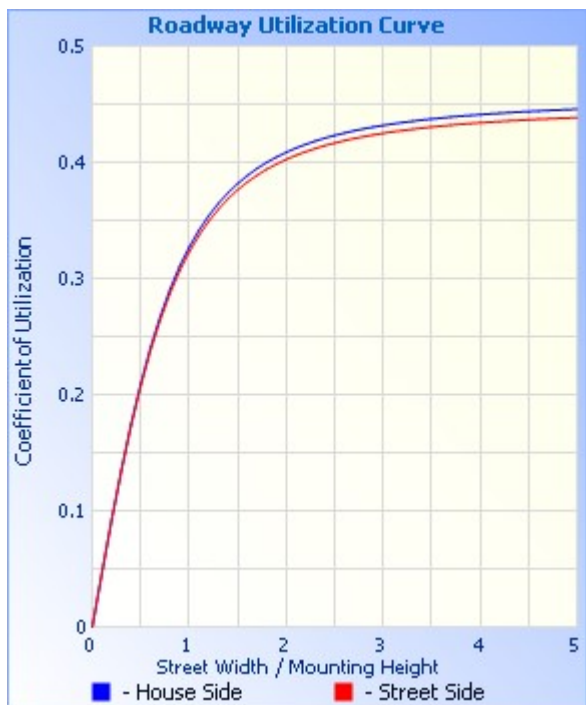
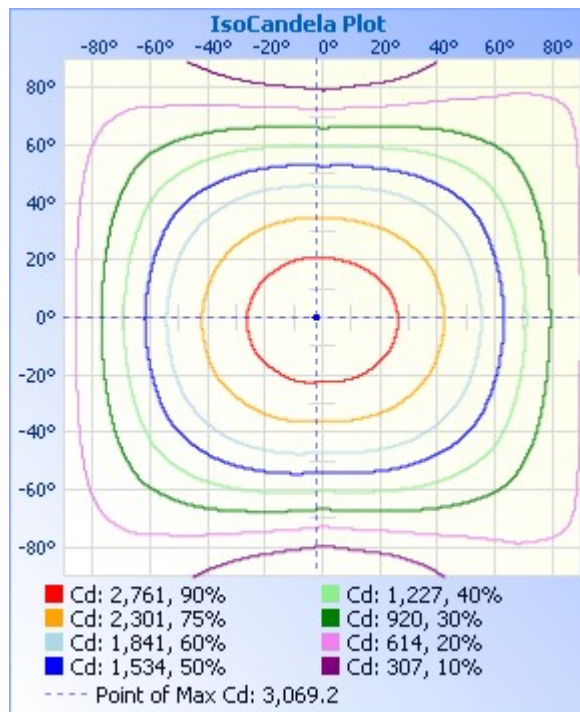
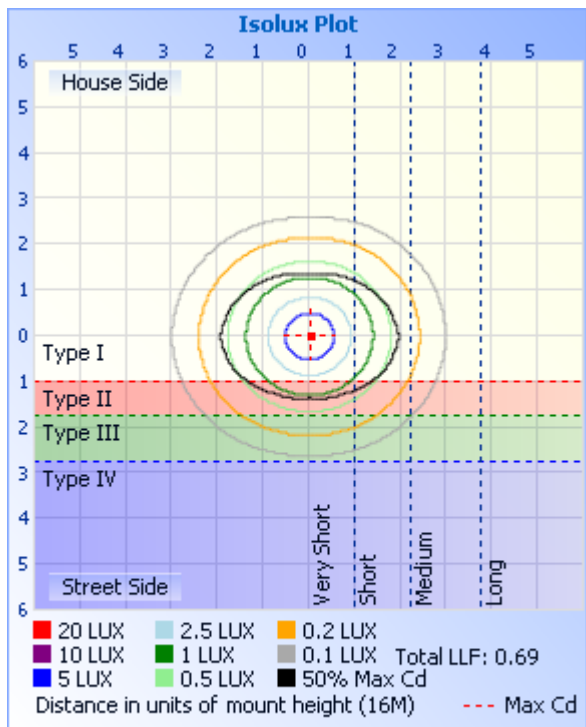
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93%	9,670.9	n/a	159.4
Beam (50%):	64.4%	6,695.2	125.3	107.1
<b>Total:</b>	<b>100.1%</b>	<b>10,411.3</b>		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,378.6	22.9%	22.8%
0-40	3,896.3	37.5%	37.4%
0-60	6,966.4	67%	66.9%
60-90	2,503.4	24.1%	24%
70-100	1,564.3	15%	15%
90-120	631.5	6.1%	6.1%
0-90	9,469.8	91%	90.9%
90-180	943.0	9.1%	9.1%
0-180	10,412.8	100.1%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	73.2	0.7%	90-95	147.1	1.4%
5-10	217.0	2.1%	95-100	122.5	1.2%
10-15	353.4	3.4%	100-105	106.9	1%
15-20	477.4	4.6%	105-110	95.1	0.9%
20-25	585.0	5.6%	110-115	84.7	0.8%
25-30	672.7	6.5%	115-120	75.1	0.7%
30-35	738.0	7.1%	120-125	65.7	0.6%
35-40	779.7	7.5%	125-130	56.5	0.5%
40-45	797.6	7.7%	130-135	47.8	0.5%
45-50	792.5	7.6%	135-140	39.4	0.4%
50-55	764.7	7.3%	140-145	31.6	0.3%
55-60	715.3	6.9%	145-150	24.5	0.2%
60-65	646.6	6.2%	150-155	18.1	0.2%
65-70	562.2	5.4%	155-160	12.7	0.1%
70-75	466.1	4.5%	160-165	8.1	0.1%
75-80	365.5	3.5%	165-170	4.6	0%
80-85	270.1	2.6%	170-175	2.1	0%
85-90	192.8	1.9%	175-180	0.5	0%



**Illuminance at a Distance**

	Center Beam LUX	Beam Width	
2.67M	431 LUX	7.22 M	10.30 M
5.33M	108 LUX	14.43 M	20.61 M
8.00M	47.9 LUX	21.65 M	30.91 M
10.67M	26.9 LUX	28.87 M	41.22 M
13.33M	17.3 LUX	36.08 M	51.51 M
16.00M	12.0 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	.30	.25	.34	.29	.24	.22
10	.51	.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	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066	3066
1	3065	3067	3064	3065	3068	3068	3067	3067	3065	3067	3068	3065	3066	3065	3063	3063	3065
2	3064	3064	3064	3066	3069	3066	3065	3067	3065	3067	3066	3063	3066	3060	3061	3058	3064
3	3060	3060	3063	3065	3067	3063	3062	3065	3063	3062	3062	3062	3063	3058	3054	3054	3060
4	3053	3056	3054	3066	3063	3063	3063	3062	3059	3058	3057	3058	3062	3053	3048	3048	3053
5	3046	3050	3051	3060	3061	3062	3060	3059	3055	3053	3053	3053	3055	3048	3043	3040	3046
6	3038	3042	3046	3054	3057	3055	3055	3054	3048	3046	3045	3049	3048	3043	3035	3034	3038
7	3028	3035	3038	3048	3052	3054	3048	3047	3040	3039	3040	3043	3042	3035	3028	3020	3028
8	3017	3024	3032	3040	3050	3049	3041	3037	3025	3033	3035	3036	3038	3029	3018	3012	3017
9	3005	3014	3020	3033	3043	3041	3034	3029	3016	3020	3025	3030	3028	3019	3008	3001	3005
10	2992	2998	3009	3025	3034	3037	3027	3018	3001	3012	3012	3020	3020	3011	2995	2988	2992
11	2975	2986	3000	3016	3025	3023	3014	3007	2989	2996	3004	3011	3011	3000	2983	2973	2975
12	2960	2974	2984	3008	3017	3014	3003	2994	2973	2985	2990	3002	2999	2989	2969	2955	2960
13	2944	2957	2973	2993	3004	3006	2991	2978	2959	2970	2976	2992	2990	2976	2956	2942	2944
14	2926	2943	2960	2980	2998	2994	2975	2966	2941	2954	2960	2976	2976	2962	2939	2923	2926
15	2906	2923	2938	2968	2985	2980	2959	2950	2923	2932	2946	2964	2965	2948	2923	2905	2906
16	2885	2904	2920	2954	2967	2967	2944	2931	2902	2915	2930	2948	2951	2935	2904	2883	2885
17	2862	2885	2902	2937	2953	2953	2927	2911	2880	2898	2914	2932	2933	2918	2887	2863	2862
18	2836	2859	2883	2920	2939	2934	2909	2892	2859	2877	2892	2917	2920	2902	2865	2841	2836
19	2814	2837	2862	2901	2922	2918	2886	2869	2835	2855	2874	2898	2904	2884	2844	2817	2814
20	2789	2812	2842	2880	2906	2900	2867	2849	2807	2830	2851	2880	2886	2865	2823	2794	2789
21	2763	2790	2817	2862	2889	2881	2846	2824	2780	2808	2831	2859	2866	2845	2801	2767	2763
22	2733	2764	2794	2842	2864	2862	2822	2800	2755	2782	2809	2839	2847	2825	2776	2742	2733
23	2704	2736	2772	2822	2846	2843	2801	2775	2727	2757	2782	2820	2828	2802	2752	2717	2704
24	2677	2707	2746	2798	2828	2819	2774	2750	2701	2728	2757	2798	2808	2776	2727	2687	2677
25	2644	2676	2717	2773	2805	2798	2748	2719	2669	2701	2732	2772	2785	2758	2702	2656	2644
26	2611	2647	2690	2748	2781	2774	2727	2691	2640	2672	2705	2748	2763	2733	2672	2628	2611
27	2584	2620	2662	2725	2757	2753	2696	2660	2607	2641	2677	2725	2740	2708	2644	2597	2584
28	2550	2589	2634	2696	2734	2724	2670	2629	2577	2608	2648	2700	2717	2681	2616	2565	2550
29	2517	2557	2603	2670	2709	2699	2642	2599	2546	2577	2622	2674	2692	2658	2588	2533	2517
30	2479	2522	2574	2641	2684	2673	2612	2566	2509	2548	2591	2648	2665	2630	2557	2498	2479
31	2442	2488	2544	2612	2656	2642	2586	2531	2474	2514	2559	2618	2638	2603	2526	2465	2442
32	2406	2448	2511	2585	2627	2615	2548	2502	2438	2474	2529	2590	2612	2573	2496	2435	2406
33	2374	2415	2477	2557	2599	2584	2516	2465	2398	2442	2498	2562	2585	2544	2464	2401	2374
34	2334	2380	2443	2526	2572	2557	2483	2428	2365	2407	2467	2530	2555	2514	2431	2360	2334
35	2297	2342	2410	2489	2542	2525	2451	2393	2325	2371	2435	2499	2526	2486	2394	2323	2297
36	2259	2308	2376	2462	2513	2497	2419	2357	2288	2334	2399	2472	2497	2453	2361	2288	2259
37	2219	2267	2339	2431	2483	2463	2383	2317	2247	2293	2366	2439	2465	2423	2329	2250	2219
38	2179	2230	2301	2395	2450	2427	2347	2277	2208	2255	2330	2403	2435	2391	2294	2210	2179
39	2138	2190	2271	2362	2414	2396	2313	2241	2168	2218	2297	2371	2405	2359	2261	2173	2138
40	2099	2154	2231	2325	2384	2364	2274	2202	2127	2181	2257	2338	2373	2327	2222	2135	2099
41	2061	2112	2192	2287	2353	2330	2239	2158	2085	2137	2222	2305	2343	2289	2187	2097	2061
42	2019	2074	2155	2255	2322	2296	2204	2118	2042	2099	2184	2270	2308	2257	2151	2055	2019
43	1977	2032	2119	2220	2285	2256	2165	2080	2000	2059	2149	2234	2275	2223	2112	2017	1977
44	1933	1991	2078	2182	2247	2218	2127	2035	1957	2017	2108	2200	2242	2185	2075	1978	1933
45	1890	1952	2040	2147	2213	2186	2090	1995	1915	1977	2069	2165	2206	2150	2039	1938	1890
46	1850	1911	2002	2111	2179	2150	2050	1956	1866	1937	2032	2130	2174	2115	2002	1899	1850
47	1804	1869	1963	2073	2140	2108	2007	1915	1822	1898	1993	2093	2138	2078	1964	1855	1804
48	1764	1830	1920	2036	2105	2068	1970	1874	1780	1856	1954	2053	2103	2042	1923	1815	1764
49	1719	1788	1880	1996	2069	2034	1930	1831	1735	1815	1912	2018	2068	2002	1886	1775	1719
50	1674	1745	1839	1960	2028	1991	1887	1790	1689	1771	1873	1982	2029	1965	1846	1729	1674







**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: 1.68

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.