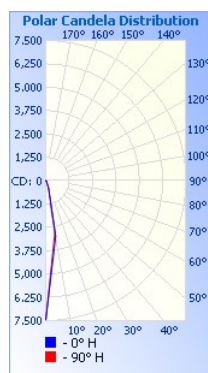


# ZANIBONI<sup>®</sup> LIGHTING

**Filename:** W2-LAR3S-1330C-1S-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** W2-LAR3S-1330C-1S-WS-Z-0  
**Luminaire Cat:** W2-LAR3S-1330C-1S-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 15 DEGREE SOLITE FILM  
**Lamp Output:** Total luminaire Lumens: 1140.1  
**Max Candela:** 7,478.7 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 1.57")  
**Test:** LARA 3S V8 698mA 18.46V  
**Test Lab:** Zaniboni Light  
**Photometry :** Type C  
**Nema Type:** 3 X 3



## Roadway Summary

**Cutoff Classification:** CUTOFF  
**Distribution:** TYPE I, VERY SHORT  
**Max Cd, 90 Deg Vert:** 0.5  
**Max Cd, 80 to <90 Deg:** 1.2  
**Lumens % Lamp**  
**Downward Street Side:** 581.9 51%  
**Downward House Side:** 617.5 54.2%  
**Downward Total:** 1,199.4 105.2%  
**Total Lumens:** 1,199.4 105.2%

## Flood Summary

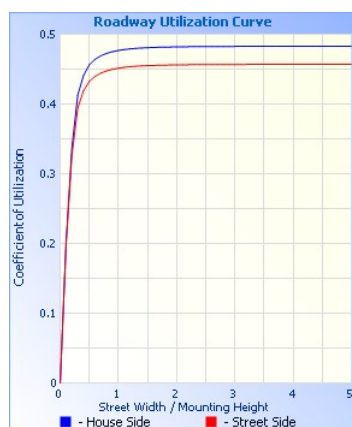
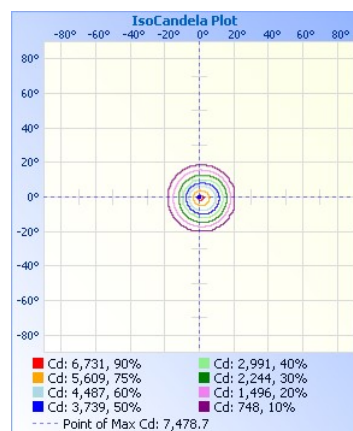
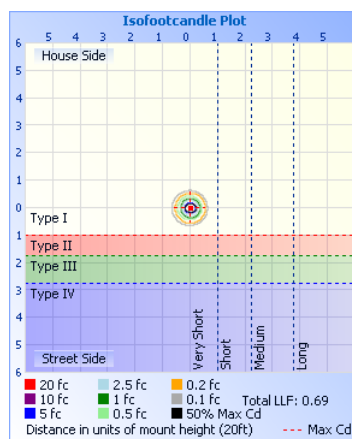
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	82.6%	942.0	38.4	38.1
Beam (50%):	34.8%	396.5	19.2	17.7
Total:	105%	1,197.2		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,045.9	91.7%
0-40	1,094.8	96%
0-60	1,132.4	99.3%
60-90	7.7	0.7%
0-90	1,140.1	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	419.9	36.8%
10-20	486.4	42.7%
20-30	139.6	12.2%
30-40	48.9	4.3%
40-50	24.8	2.2%
50-60	12.8	1.1%
60-70	5.2	0.5%
70-80	1.8	0.2%
80-90	0.7	0.1%



## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	Z0	50	30	Q	Z0	50	30	Q	50	30	20	Q	50	30	20	Q	50	30	20	Q	Q
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.05	1.04		1.03	1.02	1.01		1.00	.99	.98		.96
2	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.93	1.02	1.00	.98		1.00	.98	.96		.97	.96	.94		.93
3	1.07	1.03	.99	.96	1.05	1.01	.98	.90	.99	.96	.94		.96	.94	.92		.94	.92	.91		.90
4	1.04	.98	.94	.91	1.02	.97	.94	.87	.95	.92	.90		.93	.91	.89		.92	.90	.88		.87
5	1.01	.95	.90	.87	.99	.94	.90	.85	.92	.89	.86		.91	.88	.86		.89	.87	.85		.84
6	.98	.91	.87	.84	.97	.91	.87	.82	.89	.86	.83		.88	.85	.83		.87	.84	.82		.81
7	.95	.88	.84	.81	.94	.88	.84	.80	.87	.83	.81		.86	.83	.80		.85	.82	.80		.79
8	.92	.86	.82	.79	.91	.85	.81	.78	.84	.81	.78		.83	.80	.78		.83	.80	.78		.77
9	.90	.83	.79	.76	.89	.83	.79	.75	.82	.79	.76		.81	.78	.76		.81	.78	.76		.75
10	.88	.81	.77	.74	.87	.81	.77	.74	.80	.76	.74		.79	.76	.74		.79	.76	.74		.73

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	3
0	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479	7479
10	3038	2968	2909	2863	2831	2812	2804	2804	2799	2798	2818	2853	2898	2957	3034	3126	3225	3335	3455	3579	3704	3832	3944	4039	4114	4161	4183	4171	4120	4039	3926	3778	3610	3
20	449	434	420	411	405	405	407	410	411	413	418	425	434	446	462	480	500	521	545	569	593	618	642	663	682	695	700	696	684	666	640	608	574	
30	107	105	102	100	99	98	98	99	99	99	100	101	103	105	107	110	113	116	119	122	124	127	130	134	137	140	141	140	138	136	132	128	123	
40	42	42	41	40	39	39	39	39	39	39	39	40	40	41	42	43	43	44	45	46	47	48	48	49	50	51	51	51	50	50	48	47	46	
50	20	20	19	19	19	18	18	19	18	18	19	19	19	19	20	20	21	21	22	22	22	23	23	23	23	23	23	23	23	23	23	22	22	
60	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	10	10	9	9	9	9	9	9	9	8	
70	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
80	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LARA 3S V8 698mA 18.46V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/13/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] W2-LAR3S-1330C-1S-WS-Z-0  
[LUMINAIRE] W2-LAR3S-1330C-1S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 15 DEGREE SOLITE FILM

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 37  
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.