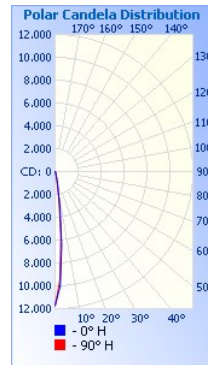


# ZANIBONI® LIGHTING

**Filename:** W2-LAR3S-0930C-SS-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** W2-LAR3S-0930C-SS-WS-Z-0  
**Luminaire Cat:** W2-LAR3S-0930C-SS-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 10 DEGREE SOLITE FILM  
**Lamp Output:** Total luminaire Lumens: 721.3  
**Max Candela:** 11,721.7 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 1.57")  
**Test:** LARA 3S V4 516mA 19.42V  
**Test Lab:** Zaniboni Light  
**Photometry :** Type C  
**Nema Type:** 2 X 2



Roadway Summary			
Cutoff Classification:	N/A		
Distribution:	TYPE I, VERY SHORT		
Max Cd, 90 Deg Vert:	0.5		
Max Cd, 80 to <90 Deg:	0		
	Lumens % Lamp		
Downward Street Side:	348.3	48.3%	
Downward House Side:	386.3	53.5%	
Downward Total:	734.5	101.8%	
Total Lumens:	734.5	101.8%	

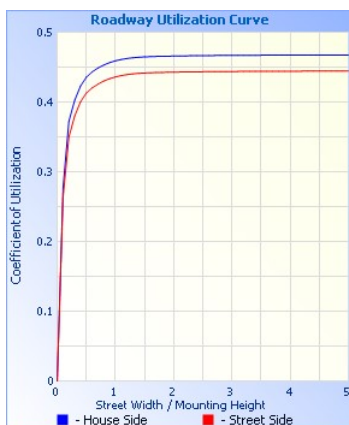
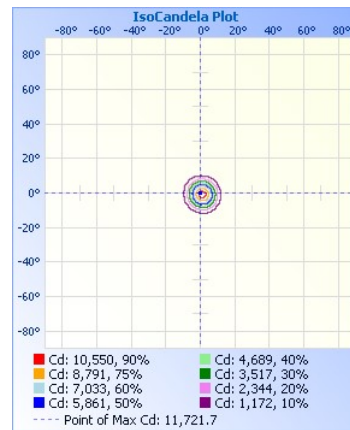
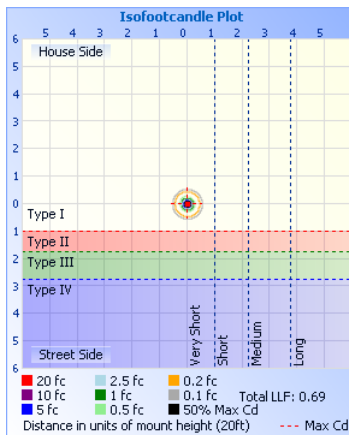
Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	67.7%	488.0	21.2	21.7
Beam (50%):	33.5%	241.3	11.5	11.7
Total:	101.7%	733.2		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	653.2	90.6%
0-40	689.1	95.5%
0-60	714.9	99.1%
60-90	6.4	0.9%
0-90	721.3	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	467.8	64.9%
10-20	133.7	18.5%
20-30	51.7	7.2%
30-40	35.9	5.0%
40-50	22.3	3.1%
50-60	3.5	0.5%
60-70	3.8	0.5%
70-80	2.2	0.3%
80-90	0.4	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	469 fc	1.0 ft 1.0 ft
10.0R	117 fc	2.0 ft 2.0 ft
15.0R	52.1 fc	3.1 ft 3.0 ft
20.0R	29.3 fc	4.1 ft 4.0 ft
25.0R	18.8 fc	5.1 ft 5.0 ft
30.0R	13.0 fc	6.1 ft 6.0 ft

## 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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.15	1.14	1.12	1.10	1.13	1.11	1.10	.98	1.07	1.06	1.05	1.04	1.03	1.02	1.00	1.00	.99	.97
2	1.12	1.09	1.06	1.04	1.10	1.07	1.05	.95	1.04	1.02	1.01	1.01	1.00	.98	.99	.98	.96	.95
3	1.09	1.05	1.02	.99	1.07	1.04	1.01	.93	1.01	.99	.97	.99	.97	.95	.97	.95	.94	.93
4	1.06	1.02	.98	.96	1.05	1.01	.98	.92	.99	.96	.94	.97	.95	.93	.95	.94	.92	.91
5	1.04	.99	.95	.93	1.03	.98	.95	.90	.97	.94	.92	.95	.93	.91	.94	.92	.90	.89
6	1.02	.96	.93	.90	1.01	.96	.92	.88	.95	.92	.90	.93	.91	.89	.92	.90	.88	.88
7	1.00	.94	.91	.88	.99	.94	.90	.87	.93	.90	.88	.92	.89	.87	.91	.89	.87	.86
8	.98	.92	.89	.87	.97	.92	.89	.85	.91	.88	.86	.90	.88	.86	.90	.87	.86	.85
9	.96	.91	.87	.85	.95	.90	.87	.84	.90	.87	.85	.89	.86	.85	.88	.86	.84	.84
10	.95	.89	.86	.84	.94	.89	.86	.83	.88	.85	.84	.88	.85	.83	.87	.85	.83	.82

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
0	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722	11722
2.5	10011	9863	9736	9628	9542	9482	9446	9437	9449	9483	9541	9624	9737	9876	10034	10207	10386	10570	10752	10922	11071	11194	11285	11337	11356	11338	11275
5	6476	6314	6162	6028	5919	5832	5774	5710	5701	5726	5794	5905	6065	6269	6509	6772	7056	7357	7652	7917	8140	8325	8473	8574	8601	8558	8456
7.5	3143	3059	2969	2875	2795	2726	2660	2605	2572	2577	2608	2670	2776	2918	3094	3302	3527	3779	4045	4279	4465	4616	4730	4791	4779	4704	4587
10	1294	1270	1252	1226	1183	1135	1095	1056	1032	1026	1028	1048	1087	1139	1209	1300	1402	1530	1684	1820	1937	2021	2070	2081	2044	1982	1906
12.5	560	557	555	549	531	511	493	477	467	460	462	467	477	493	515	541	575	617	668	715	766	806	811	804	775	743	713
15	305	307	307	304	299	290	283	277	274	272	272	274	276	281	287	293	304	315	331	349	368	379	380	374	363	352	343
30	56	56	56	55	54	53	54	54	54	54	54	54	54	55	56	56	57	57	57	57	58	58	59	59	60	61	61
60	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LARA 3S V4 516mA 19.42V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/13/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] W2-LAR3S-0930C-SS-WS-Z-0  
[LUMINAIRE] W2-LAR3S-0930C-SS-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 10 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.