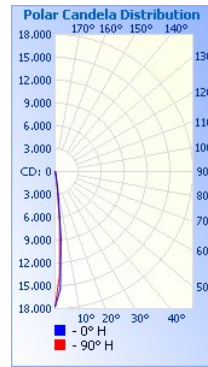


ZANIBONI® LIGHTING

Filename: W2-LAR3S-0930C-SC-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: W2-LAR3S-0930C-SC-WS-Z-0
Luminaire Cat: W2-LAR3S-0930C-SC-WS-Z-0
Lamp: WHITE 3K 90 CRI 10 DEGREE
Lamp Output: Total luminaire Lumens: 766.3
Max Candela: 17,735.5 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 1.57")
Test: LARA 3S V4 515mA 19.40V
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 1 X 1



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:	387.2 50.5%
Downward House Side:	394.2 51.4%
Downward Total:	781.5 102%
Total Lumens:	781.5 102%

Flood Summary

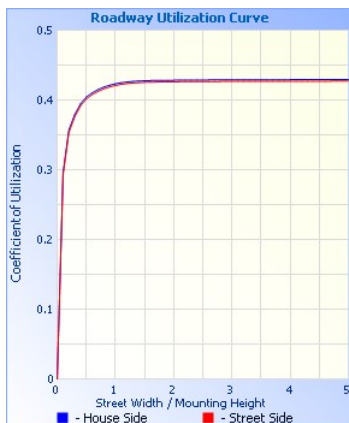
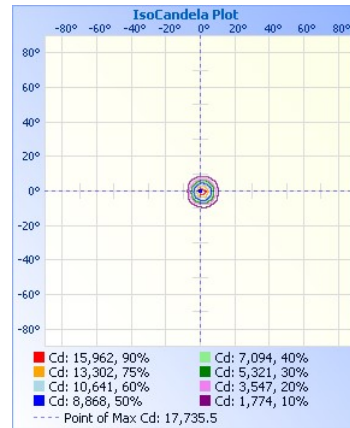
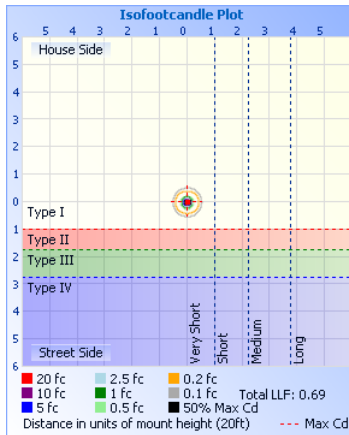
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	70.7%	541.9	17.5	17.9
Beam (50%):	42.2%	323.5	10.3	10
Total:	101.8%	779.7		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	706.6	92.2%
0-40	739.6	96.5%
0-60	761.9	99.4%
60-90	4.4	0.6%
0-90	766.3	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	564.6	73.7%
10-20	97.8	12.8%
20-30	44.2	5.8%
30-40	33.0	4.3%
40-50	20.1	2.6%
50-60	2.2	0.3%
60-70	2.5	0.3%
70-80	1.5	0.2%
80-90	0.4	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	709 fc	0.9 ft 0.9 ft
10.0R	177 fc	1.8 ft 1.8 ft
15.0R	78.8 fc	2.6 ft 2.7 ft
20.0R	44.3 fc	3.5 ft 3.6 ft
25.0R	28.4 fc	4.4 ft 4.5 ft
30.0R	19.7 fc	5.3 ft 5.4 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	1.16	1.14	1.12	1.11	1.13	1.12	1.10	.98	1.08	1.07	1.06	1.04	1.03	1.03	1.01	1.00	1.00	.98
2	1.13	1.10	1.07	1.05	1.11	1.08	1.06	.97	1.05	1.03	1.02	1.02	1.01	1.00	1.00	.99	.98	.96
3	1.10	1.06	1.03	1.01	1.08	1.05	1.02	.95	1.03	1.00	.99	1.00	.99	.97	.98	.97	.96	.95
4	1.08	1.03	1.00	.98	1.06	1.02	.99	.94	1.00	.98	.96	.99	.97	.95	.97	.95	.94	.93
5	1.06	1.01	.98	.95	1.04	1.00	.97	.92	.99	.96	.94	.97	.95	.93	.96	.94	.93	.92
6	1.04	.99	.96	.93	1.03	.98	.95	.91	.97	.94	.92	.96	.94	.92	.95	.93	.91	.90
7	1.02	.97	.94	.92	1.01	.96	.93	.90	.95	.93	.91	.94	.92	.90	.94	.92	.90	.89
8	1.00	.95	.92	.90	1.00	.95	.92	.89	.94	.91	.90	.93	.91	.89	.93	.91	.89	.88
9	.99	.94	.91	.89	.98	.94	.91	.88	.93	.90	.88	.92	.90	.88	.92	.90	.88	.87
10	.98	.93	.90	.88	.97	.92	.90	.87	.92	.89	.88	.91	.89	.87	.91	.89	.87	.86

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
0	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735	17735
2.5	15414	15063	14718	14405	14133	13914	13728	13606	13539	13526	13566	13661	13807	13996	14230	14480	14767	15055	15388	15707	15997	16265	16520	16733	16907	17004	17053	17030	16974	16873	16725
5	8688	8237	7813	7440	7141	6906	6720	6584	6523	6525	6586	6702	6879	7120	7428	7779	8176	8608	9120	9620	10162	10663	11110	11495	11808	11999	12097	12057	11932	11698	11371
7.5	2903	2711	2524	2372	2233	2123	2022	1945	1894	1877	1884	1929	2002	2108	2248	2414	2615	2857	3147	3468	3789	4119	4430	4711	4937	5076	5142	5111	4991	4800	4555
10	887	831	782	741	700	656	617	589	573	566	569	580	593	611	639	676	722	778	851	943	1055	1176	1286	1381	1457	1504	1535	1541	1526	1478	1403
12.5	385	369	353	338	326	316	311	307	302	300	300	301	303	306	313	321	330	341	357	376	396	421	448	469	484	500	514	521	526	521	507
15	251	245	240	237	235	233	231	230	230	229	229	231	232	233	235	236	237	239	242	247	252	259	267	274	281	289	292	293	293	292	286
30	53	52	51	50	49	48	46	45	45	45	45	45	45	46	47	48	49	51	51	52	54	55	56	56	57	57	56	56	56	57	57
60	3	3	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3
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

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LARA 3S V4 515mA 19.40V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/13/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] W2-LAR3S-0930C-SC-WS-Z-0
[LUMINAIRE] W2-LAR3S-0930C-SC-WS-Z-0
[LAMP] WHITE 3K 90 CRI 10 DEGREE

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.