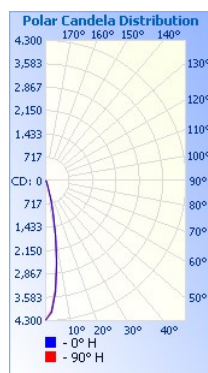


# ZANIBONI<sup>®</sup> LIGHTING

**Filename:** D1-LUNA1-0730C-1S-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D1-LUNA1-0730C-1S-WS-Z-0  
**Luminaire Cat:** D1-LUNA1-0730C-1S-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 15 DEGREE LENS SOLITE FILM  
**Lamp Output:** Total luminaire Lumens: 669  
**Max Candela:** 4,291.0 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 1.18")  
**Test:** LUNA 1 357mA 17.61  
**Test Lab:** Zaniboni Light  
**Photometry :** Type C  
**Nema Type:** 3 X 3



## Roadway Summary

Cutoff Classification:	N/A
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	0
Lumens % Lamp	
Downward Street Side:	333.2 49.8%
Downward House Side:	350.6 52.4%
Downward Total:	683.9 102.2%
Total Lumens:	683.9 102.2%

## Flood Summary

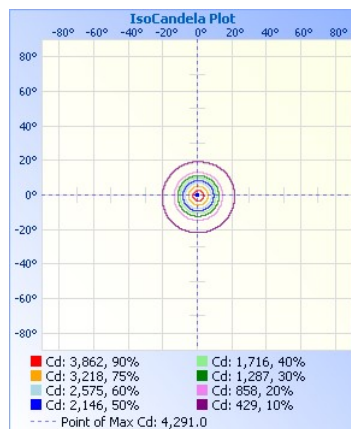
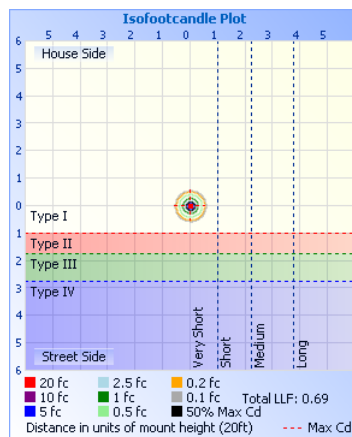
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	75.6%	506.1	41.8	41.1
Beam (50%):	32.3%	216.1	17.9	17.6
Total:	102.1%	682.8		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	596.4	89.1%
0-40	631.5	94.4%
0-60	659.5	98.6%
60-90	9.5	1.4%
0-90	669.0	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	269.4	40.3%
10-20	240.4	35.9%
20-30	86.6	12.9%
30-40	35.2	5.3%
40-50	22.7	3.4%
50-60	5.3	0.8%
60-70	5.8	0.9%
70-80	3.3	0.5%
80-90	0.3	0.0%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
5.0R	172 fc	1.6 ft	1.6 ft
10.0R	42.9 fc	3.1 ft	3.1 ft
15.0R	19.1 fc	4.7 ft	4.7 ft
20.0R	10.7 fc	6.2 ft	6.3 ft
25.0R	6.87 fc	7.8 ft	7.9 ft
30.0R	4.77 fc	9.3 ft	9.4 ft

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	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	1.11	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	1.12	1.10	1.09	.96	1.06	1.05	1.04		1.03	1.02	1.01		.99	.99	.98		.96
2	1.11	1.07	1.04	1.01	1.09	1.05	1.02	.93	1.02	1.00	.98		.99	.97	.96		.97	.95	.94		.92
3	1.07	1.02	.98	.95	1.05	1.01	.97	.90	.98	.95	.93		.96	.94	.92		.94	.92	.90		.89
4	1.04	.98	.94	.91	1.02	.97	.93	.87	.95	.92	.89		.93	.90	.88		.91	.89	.87		.86
5	1.00	.94	.90	.87	.99	.93	.89	.84	.92	.88	.86		.90	.87	.85		.89	.86	.84		.83
6	.97	.91	.87	.84	.96	.90	.86	.81	.89	.85	.83		.88	.85	.82		.86	.84	.82		.81
7	.95	.88	.84	.81	.94	.87	.83	.79	.86	.83	.80		.85	.82	.80		.84	.81	.79		.78
8	.92	.85	.81	.78	.91	.85	.81	.77	.84	.80	.78		.83	.80	.77		.82	.79	.77		.76
9	.90	.83	.79	.76	.89	.82	.79	.75	.82	.78	.76		.81	.78	.75		.80	.77	.75		.74
10	.87	.81	.77	.74	.87	.80	.76	.73	.80	.76	.74		.79	.76	.73		.78	.75	.73		.72

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	330	340	350	360	
0	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	4291	
2.5	4070	4054	4043	4031	4024	4020	4015	4013	4010	4009	4007	4006	4014	4016	4020	4027	4035	4042	4048	4056	4063	4070	4076	4085	4093	4098	4101	4103	4104	4102	4100	4094	4088	4080	4070	4062	4070	
5	3439	3416	3400	3386	3377	3373	3369	3369	3368	3369	3369	3372	3381	3386	3394	3404	3415	3425	3437	3451	3463	3475	3488	3501	3515	3525	3532	3536	3534	3529	3520	3509	3496	3481	3463	3444	3439	
7.5	2562	2536	2518	2503	2495	2489	2490	2499	2509	2518	2525	2533	2546	2555	2560	2566	2573	2578	2586	2598	2611	2628	2645	2661	2681	2691	2698	2704	2701	2690	2673	2655	2638	2620	2599	2575	2562	
10	1718	1697	1684	1677	1677	1677	1681	1695	1713	1729	1739	1749	1763	1769	1775	1782	1790	1798	1801	1804	1808	1816	1829	1846	1861	1870	1872	1871	1867	1857	1841	1822	1800	1777	1753	1727	1718	
12.5	1025	1010	1000	998	1002	1011	1020	1034	1052	1068	1081	1096	1109	1115	1123	1128	1133	1135	1136	1135	1138	1143	1144	1146	1156	1161	1156	1152	1146	1138	1128	1111	1088	1064	1042	1022	1025	
15	605	598	594	594	596	604	615	627	641	654	667	677	688	698	701	703	706	704	702	700	701	700	698	698	699	701	698	691	684	678	669	655	640	624	609	598	605	
30	53	53	52	52	53	53	54	55	55	56	57	57	58	58	58	58	58	57	57	56	56	56	56	56	56	57	57	56	56	56	56	55	54	53	53	52	51	53
60	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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	0	0	0	

Luminaire Report Summary

IESNA: LM-63-2002  
[TEST] LUNA 1 357mA 17.61  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/1/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D1-LUNA1-0730C-1S-WS-Z-0  
[LUMINAIRE] D1-LUNA1-0730C-1S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 15 DEGREE LENS 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

Photometrics Pro 1.3.29 copyright 2003-2025 by jSolutions, Inc.  
Reported data calculated from manufacturer's data file, based on IES recommended methods.