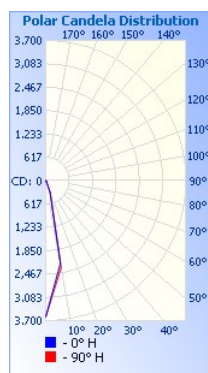


ZANIBONI[®] LIGHTING

Filename: D1-LUNA1-0730C-2C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D1-LUNA1-0730C-2C-WS-Z-0
Luminaire Cat: D1-LUNA1-0730C-2C-WS-Z-0
Lamp: WHITE 3K 90 CRI 24 DEGREE
Lamp Output: Total luminaire Lumens: 701
Max Candela: 3,606.8 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 1.18")
Test: LUNA 1 V6 357mA 17.8V
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 3 X 3



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	0.9
Lumens % Lamp	
Downward Street Side:	353.4 50.4%
Downward House Side:	376.0 53.6%
Downward Total:	729.4 104.1%
Total Lumens:	729.4 104.1%

Flood Summary

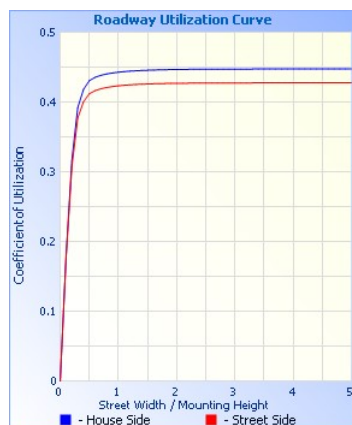
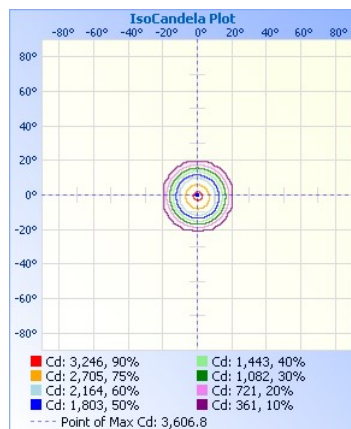
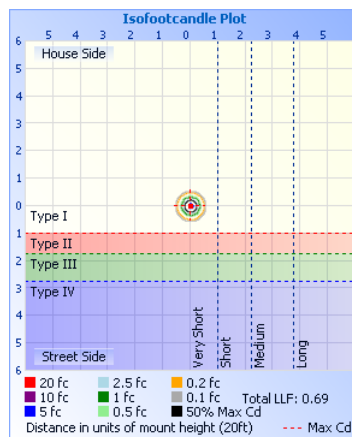
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	86.8%	608.2	39.7	40.2
Beam (50%):	53%	371.8	24.9	25.3
Total:	103.9%	728.3		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	661.4	94.3%
0-40	679.9	97%
0-60	696.1	99.3%
60-90	4.8	0.7%
0-90	701.0	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	250.6	35.7%
10-20	328.4	46.9%
20-30	82.3	11.7%
30-40	18.5	2.6%
40-50	9.8	1.4%
50-60	6.4	0.9%
60-70	3.3	0.5%
70-80	1.1	0.2%
80-90	0.5	0.1%



	Center Beam fc	Beam Width
5.0R	144 fc	2.2 ft 2.2 ft
10.0R	36.1 fc	4.5 ft 4.4 ft
15.0R	16.0 fc	6.7 ft 6.6 ft
20.0R	9.02 fc	9.0 ft 8.8 ft
25.0R	5.77 fc	11.2 ft 11.0 ft
30.0R	4.01 fc	13.5 ft 13.3 ft

Vert. Spread: 25.3°
 Horiz. Spread: 24.9°

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	1.13	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	.94	1.03	1.01	.99		1.00	.98	.97		.97	.96	.95		.93
3	1.08	1.03	.99	.96	1.06	1.02	.98	.91	.99	.96	.94		.97	.95	.93		.95	.93	.91		.90
4	1.04	.99	.95	.92	1.03	.98	.94	.88	.96	.93	.90		.94	.91	.89		.92	.90	.88		.87
5	1.01	.95	.91	.88	1.00	.94	.91	.85	.93	.90	.87		.91	.89	.86		.90	.88	.86		.84
6	.98	.92	.88	.85	.97	.91	.87	.83	.90	.87	.84		.89	.86	.84		.88	.85	.83		.82
7	.96	.89	.85	.82	.95	.89	.85	.81	.88	.84	.82		.86	.83	.81		.86	.83	.81		.80
8	.93	.87	.82	.80	.92	.86	.82	.78	.85	.82	.79		.84	.81	.79		.83	.81	.79		.78
9	.91	.84	.80	.77	.90	.84	.80	.76	.83	.79	.77		.82	.79	.77		.81	.79	.77		.76
10	.88	.82	.78	.75	.88	.81	.78	.75	.81	.77	.75		.80	.77	.75		.80	.77	.75		.74

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	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	3607	
10	2222	2231	2246	2258	2275	2287	2305	2319	2331	2341	2348	2356	2368	2377	2384	2395	2407	2423	2436	2438	2433	2418	2397	2366	2335	2301	2266	2228	2195	2171	2153	2142	2133	2	
20	323	325	326	326	325	326	330	338	346	351	353	357	361	366	367	366	367	371	373	372	369	362	354	346	338	332	325	319	317	317	314	311	309		
30	44	43	43	43	42	42	42	42	42	42	42	43	44	45	46	46	47	47	47	48	48	47	47	47	47	46	44	43	42	42	43	43	43		
40	17	16	16	16	16	16	17	17	16	16	16	16	17	17	17	17	17	17	18	18	18	18	18	17	18	17	17	17	17	16	16	16	16		
50	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	8	8		
60	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	
70	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
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	0	0	0	1	1	1	1	1	0	
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] LUNA 1 V6 357mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/25/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-2C-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-2C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 24 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.