

ZANIBONI® LIGHTING

Filename: D1-LUNA1-0730C-5C-WS-Z-0

Manufacturer: Zaniboni Lighting

Luminaire: D1-LUNA1-0730C-5C-WS-Z-0

Luminaire Cat: D1-LUNA1-0730C-5C-WS-Z-0

Lamp: WHITE 3K 90 CRI 50 DEG

Lamp Output: Total luminaire Lumens: 639.8

Max Candela: 1,069.7 at Horizontal: 280°, Vertical: 10°

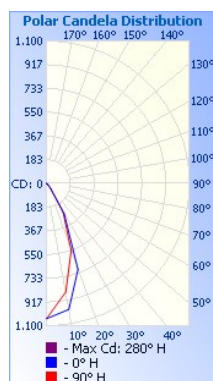
Luminous Opening: Circular (Dia: 1.18")

Test: LUNA 1 V6 357mA 17.8V

Test Lab: Zaniboni Light

Photometry: Type C

Nema Type: 5 X 5



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	1.0
Lumens % Lamp	
Downward Street Side:	339.0 53%
Downward House Side:	308.5 48.2%
Downward Total:	647.5 101.2%
Total Lumens:	647.5 101.2%

Flood Summary

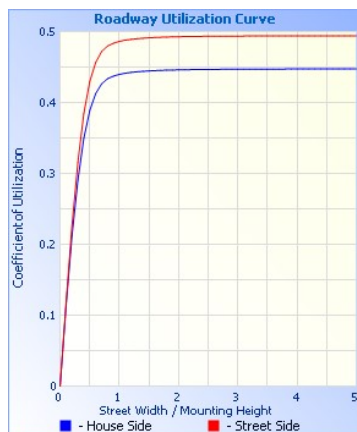
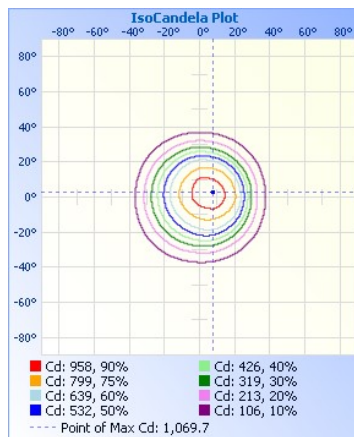
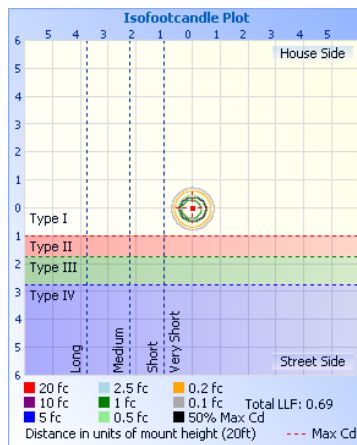
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93.1%	595.4	74.2	72.8
Beam (50%):	59.6%	381.3	45.9	44.3
Total:	101.1%	647.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	512.2	80.1%
0-40	603.1	94.3%
0-60	633.7	99.1%
60-90	6.0	0.9%
0-90	639.8	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	91.9	14.4%
10-20	218.3	34.1%
20-30	202.0	31.6%
30-40	91.0	14.2%
40-50	22.0	3.4%
50-60	8.6	1.3%
60-70	4.1	0.6%
70-80	1.4	0.2%
80-90	0.6	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0ft	41.9 fc	4.1 ft 4.2 ft
10.0ft	10.5 fc	8.1 ft 8.5 ft
15.0ft	4.66 fc	12.2 ft 12.7 ft
20.0ft	2.62 fc	16.3 ft 16.9 ft
25.0ft	1.68 fc	20.4 ft 21.2 ft
30.0ft	1.17 fc	24.4 ft 25.4 ft
Vert. Spread: 44.3°		
Horiz. Spread: 45.9°		

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<i>80</i>				<i>70</i>				<i>50</i>				<i>30</i>				<i>10</i>				<i>0</i>
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>10</u>	<u>0</u>
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	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.11	1.09	1.07	.95	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.96	.94	.94	.94
2	1.09	1.04	1.00	.97	1.06	1.02	.99	.89	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88	.88	.88	.88
3	1.04	.98	.93	.89	1.02	.96	.92	.84	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83	.83	.83	.83
4	.99	.92	.87	.83	.97	.91	.86	.79	.89	.85	.81	.87	.83	.80	.85	.82	.79	.78	.78	.78	.78
5	.94	.87	.81	.77	.93	.86	.81	.75	.84	.80	.76	.82	.79	.76	.81	.78	.75	.74	.74	.74	.74
6	.90	.82	.76	.72	.89	.81	.76	.71	.80	.75	.72	.78	.74	.71	.77	.74	.71	.69	.69	.69	.69
7	.86	.78	.72	.68	.85	.77	.72	.67	.76	.71	.68	.75	.70	.67	.74	.70	.67	.66	.66	.66	.66
8	.83	.74	.68	.64	.81	.73	.68	.63	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62	.62	.62	.62
9	.79	.70	.65	.61	.78	.70	.64	.60	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59	.59	.59	.59
10	.76	.67	.61	.58	.75	.66	.61	.57	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56	.56	.56	.56

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	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049
10	992	971	951	932	916	900	887	875	867	855	842	829	821	816	815	819	826	838	854	873	893	913	937	963	990	1015	1039	1059	1070	1069	1062	1053	1042	1028	1014	999	992
20	710	687	661	637	616	601	587	576	566	555	542	532	525	522	522	529	539	553	574	597	616	634	654	682	718	755	785	805	812	806	798	786	773	757	738	720	710
30	274	272	267	261	257	257	260	260	257	255	252	247	243	239	235	236	235	234	239	246	250	252	253	255	262	266	267	269	274	275	273	269	271	274	270	270	274
40	46	47	47	48	50	49	47	45	45	46	47	47	46	45	45	45	44	43	43	42	42	42	43	43	43	42	43	44	45	46	47	47	46	46	46	46	
50	13	13	13	13	12	12	12	12	12	12	12	13	13	12	13	13	12	13	13	12	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	
60	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
70	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
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	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	0	0	

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 1 V6 357mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/24/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-5C-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-5C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 50 DEG

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.