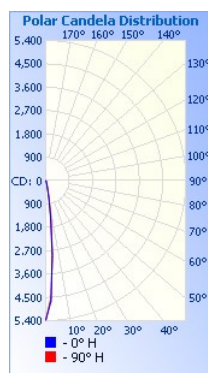


ZANIBONI[®] LIGHTING

Filename: D1-LUNA1-0730C-SS-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D1-LUNA1-0730C-SS-WS-Z-0
Luminaire Cat: D1-LUNA1-0730C-SS-WS-Z-0
Lamp: WHITE 3K 90 CRI 10 DEGREE SOLITE FILM
Lamp Output: Total luminaire Lumens: 334.1
Max Candela: 5,394.7 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 1.18")
Test: LUNA 1 V3 347mA 17.8V
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 2 X 2



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:	164.1 49.1%
Downward House Side:	176.5 52.8%
Downward Total:	340.6 102%
Total Lumens:	340.6 102%

Flood Summary

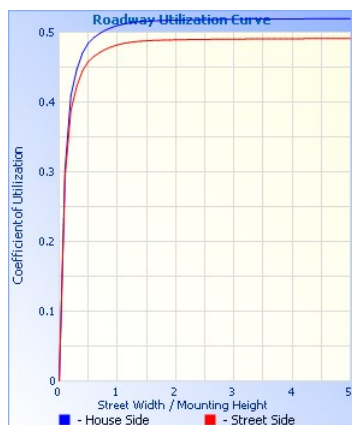
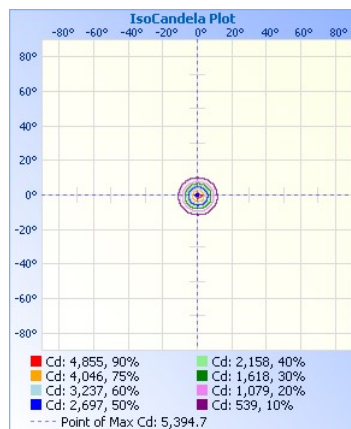
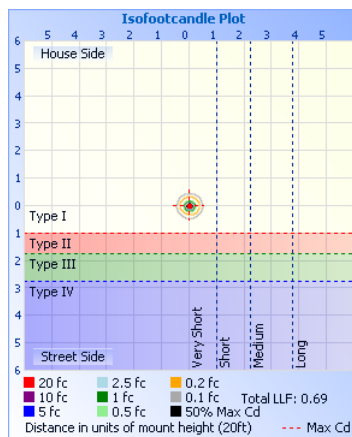
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	64.4%	215.1	22.6	21.6
Beam (50%):	30.1%	100.7	11.2	10.8
Total:	101.8%	340.1		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	301.2	90.2%
0-40	318.0	95.2%
0-60	330.4	98.9%
60-90	3.6	1.1%
0-90	334.1	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	204.7	61.3%
10-20	69.8	20.9%
20-30	26.7	8.0%
30-40	16.8	5.0%
40-50	10.6	3.2%
50-60	1.9	0.6%
60-70	2.1	0.6%
70-80	1.3	0.4%
80-90	0.3	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	216 fc	0.9 ft 1.0 ft
10.0R	53.9 fc	1.9 ft 2.0 ft
15.0R	24.0 fc	2.8 ft 2.9 ft
20.0R	13.5 fc	3.8 ft 3.9 ft
25.0R	8.63 fc	4.7 ft 4.9 ft
30.0R	5.99 fc	5.7 ft 5.9 ft

Vert. Spread: 10.8°
 Horiz. Spread: 11.2°

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	10	50	30	20	10	50	30	20	10	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	1.00
1	1.15	1.13	1.12	1.10	1.13	1.11	1.10	.97	1.07	1.06	1.05	1.04	1.03	1.02	1.00	1.00	.99	.97	.97	.97	.97
2	1.12	1.09	1.06	1.03	1.10	1.07	1.04	.95	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.95	.95	.95	.95
3	1.09	1.05	1.01	.99	1.07	1.03	1.00	.93	1.01	.98	.96	.99	.97	.95	.96	.95	.93	.92	.92	.92	.92
4	1.06	1.01	.98	.95	1.04	1.00	.97	.91	.98	.95	.93	.96	.94	.92	.95	.93	.91	.90	.90	.90	.90
5	1.03	.98	.94	.92	1.02	.97	.94	.89	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88	.88	.88	.88
6	1.01	.96	.92	.89	1.00	.95	.91	.87	.94	.91	.88	.92	.90	.88	.91	.89	.87	.86	.86	.86	.86
7	.99	.93	.90	.87	.98	.93	.89	.86	.92	.89	.86	.91	.88	.86	.90	.87	.86	.85	.85	.85	.85
8	.97	.91	.88	.85	.96	.91	.87	.84	.90	.87	.85	.89	.86	.85	.88	.86	.84	.83	.83	.83	.83
9	.95	.90	.86	.84	.94	.89	.86	.83	.88	.85	.83	.88	.85	.83	.87	.85	.83	.82	.82	.82	.82
10	.94	.88	.85	.82	.93	.88	.84	.82	.87	.84	.82	.86	.84	.82	.86	.83	.82	.81	.81	.81	.81

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
0	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395	5395
2.5	4661	4612	4582	4561	4546	4536	4532	4530	4530	4532	4535	4541	4550	4564	4582	4603	4626	4651	4681	4709	4741	4771	4797	4817	4827	4826	4816	4795	4767	4732	4691	4649	4606
5	2827	2802	2802	2821	2847	2870	2888	2907	2929	2955	2975	2990	3001	3015	3029	3038	3043	3055	3071	3091	3119	3152	3186	3214	3231	3230	3208	3172	3123	3064	3000	2937	2882
7.5	1353	1336	1334	1358	1392	1427	1464	1500	1538	1570	1578	1567	1557	1548	1539	1535	1537	1552	1577	1600	1614	1618	1631	1659	1677	1669	1648	1624	1594	1554	1502	1443	1392
10	604	602	606	616	630	653	682	715	742	756	761	753	740	727	717	711	715	715	716	724	731	731	740	752	754	756	753	746	726	692	657	629	605
12.5	277	277	278	282	291	300	312	327	342	350	347	346	340	334	327	326	325	322	321	325	325	328	328	331	338	344	344	340	328	312	297	282	274
15	153	154	159	161	165	169	174	178	184	188	188	186	181	176	173	173	172	174	174	173	173	174	174	177	181	186	188	183	177	171	163	155	149
30	26	27	26	26	26	25	26	25	26	26	26	26	26	27	27	27	27	28	27	28	28	28	27	27	27	26	26	26	26	26	26	26	26
60	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
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

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 1 V3 347mA 17.8V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 4/30/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D1-LUNA1-0730C-SS-WS-Z-0
[LUMINAIRE] D1-LUNA1-0730C-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.