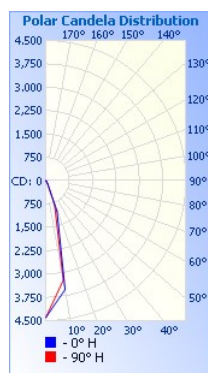


ZANIBONI® LIGHTING

Filename: D2-LUN3A-1330C-2C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D2-LUN3A-1330C-2C-WS-Z-0
Luminaire Cat: D2-LUN3A-1330C-2C-WS-Z-0
Lamp: WHITE 3K 90 CRI 24 DEG
Lamp Output: Total luminaire Lumens: 1306.9
Max Candela: 4,413.8 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 1.57")
Test: Luna 3A V10 358mA 31.09V
Test Lab: Zaniboni Light
Photometry: Type C
Nema Type: 4 X 4



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE I, VERY SHORT
Max Cd, 90 Deg Vert: 0.4
Max Cd, 80 to <90 Deg: 1.0
Lumens % Lamp
Downward Street Side: 666.1 51%
Downward House Side: 675.0 51.6%
Downward Total: 1,341.1 102.6%
Total Lumens: 1,341.1 102.6%

Flood Summary

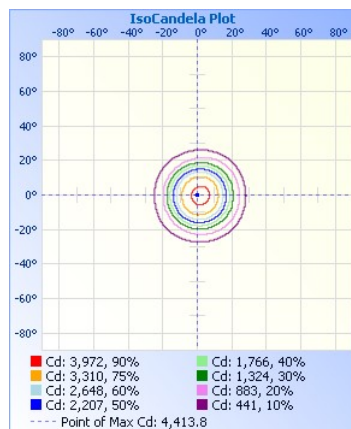
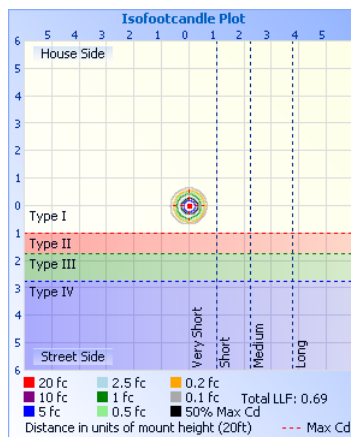
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	92.2%	1,204.9	53	53.5
Beam (50%):	57%	745.3	30.8	31
Total:	102.5%	1,339.4		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,223.2	93.6%
0-40	1,273.2	97.4%
0-60	1,300.9	99.5%
60-90	6.0	0.5%
0-90	1,306.9	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	358.8	27.5%
10-20	600.8	46.0%
20-30	263.5	20.2%
30-40	50.0	3.8%
40-50	18.4	1.4%
50-60	9.4	0.7%
60-70	3.9	0.3%
70-80	1.5	0.1%
80-90	0.6	0.0%



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	1.12	1.10	1.09	1.12	1.10	1.09	.96	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.98	.96	.96	.96
2	1.11	1.07	1.03	1.01	1.08	1.05	1.02	.93	1.02	1.00	.98	.99	.97	.95	.96	.95	.94	.92	.92	.92	.92
3	1.07	1.02	.98	.95	1.05	1.00	.97	.89	.98	.95	.92	.96	.93	.91	.93	.91	.90	.88	.88	.88	.88
4	1.03	.97	.93	.90	1.01	.96	.92	.86	.94	.91	.88	.92	.89	.87	.91	.88	.86	.85	.85	.85	.85
5	1.00	.93	.89	.85	.98	.92	.88	.83	.91	.87	.84	.89	.86	.84	.88	.85	.83	.82	.82	.82	.82
6	.96	.90	.85	.82	.95	.89	.85	.80	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79	.79	.79	.79
7	.93	.86	.82	.79	.92	.86	.81	.77	.85	.81	.78	.83	.80	.78	.82	.79	.77	.76	.76	.76	.76
8	.90	.83	.79	.76	.89	.83	.78	.74	.82	.78	.75	.81	.77	.75	.80	.77	.75	.74	.74	.74	.74
9	.88	.80	.76	.73	.87	.80	.76	.72	.79	.75	.73	.78	.75	.72	.78	.75	.72	.71	.71	.71	.71
10	.85	.78	.73	.71	.84	.77	.73	.70	.77	.73	.70	.76	.73	.70	.75	.72	.70	.69	.69	.69	.69

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	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4414	4	
10	3563	3498	3438	3396	3361	3331	3304	3282	3262	3253	3258	3282	3320	3368	3420	3471	3516	3553	3585	3610	3626	3645	3676	3710	3736	3750	3750	3750	3755	3761	3766	3766	3743	3	
20	1052	992	941	906	884	868	853	842	828	822	828	847	876	913	953	994	1037	1081	1120	1157	1191	1229	1273	1318	1353	1369	1370	1367	1362	1357	1350	1328	1289	1	
30	124	117	112	108	107	107	105	105	104	105	106	108	112	116	120	123	128	132	136	139	142	146	153	160	166	167	167	164	162	160	158	154	150		
40	33	32	31	30	30	29	29	28	28	29	29	29	30	31	31	32	32	33	34	34	35	36	36	37	37	37	37	37	37	37	37	36	35	35	
50	15	15	15	15	15	15	14	14	14	14	15	15	15	15	15	15	16	16	16	15	16	16	16	16	16	16	16	16	16	16	16	15	15		
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		
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		
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		
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 3A V10 358mA 31.09V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/4/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D2-LUN3A-1330C-2C-WS-Z-0
[LUMINAIRE] D2-LUN3A-1330C-2C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 24 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.