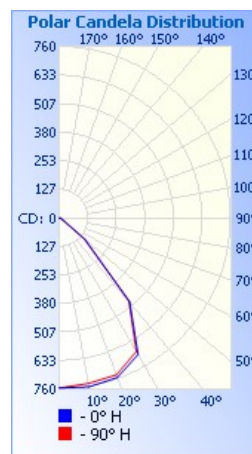


ZANIBONI® LIGHTING

Filename: D2-LUN3A-1330C-8C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D2-LUN3A-1330C-8C-WS-Z-0
Luminaire Cat: D2-LUN3A-1330C-8C-WS-Z-0
Lamp: WHITE 3K 90 CRI 80 DEG
Lamp Output: Total luminaire Lumens: 1295.7
Max Candela: 757.2 at Horizontal: 0°, Vertical: 10°
Luminous Opening: Circular (Dia: 1.57")
Test: Luna 3A V10 358mA 31.09V
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 6 X 6



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.4
Max Cd, 80 to <90 Deg:	4.0
Lumens % Lamp	
Downward Street Side:	655.4 50.6%
Downward House Side:	644.7 49.8%
Downward Total:	1,300.1 100.3%
Total Lumens:	1,300.1 100.3%

Flood Summary

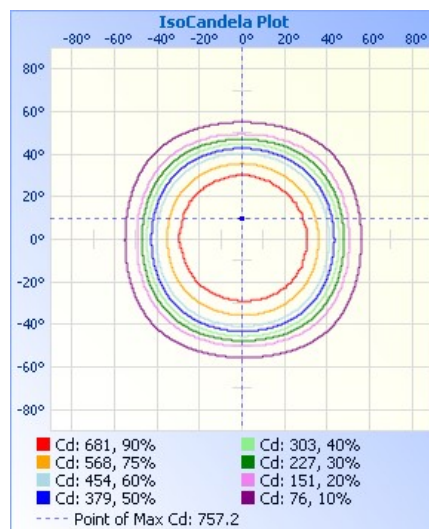
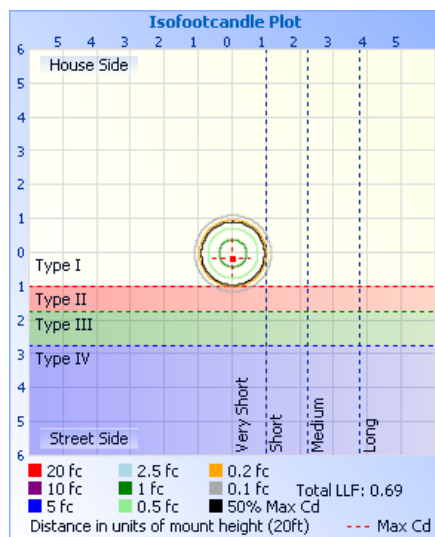
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.1%	1,258.5	109.9	110.7
Beam (50%):	81.6%	1,057.4	84.1	85.9
Total:	100.3%	1,299.6		

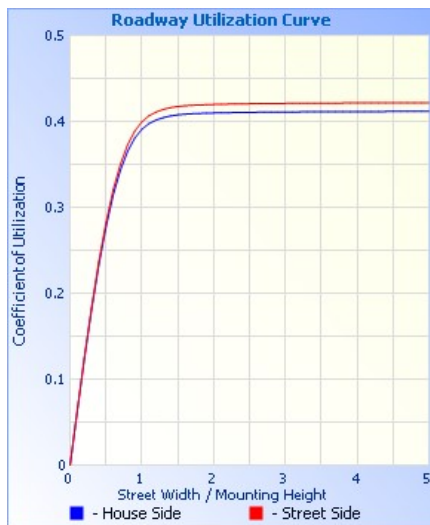
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	610.0	47.1%
0-40	970.0	74.9%
0-60	1,275.7	98.5%
60-90	20.0	1.5%
0-90	1,295.7	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	71.4	5.5%
10-20	210.4	16.2%
20-30	328.2	25.3%
30-40	360.0	27.8%
40-50	234.6	18.1%
50-60	71.1	5.5%
60-70	12.2	0.9%
70-80	5.7	0.4%
80-90	2.1	0.2%





Illuminance at a Distance

	Center Beam fc	Beam Width	
5.0R	30.1 fc	9.3 ft	9.0 ft
10.0R	7.51 fc	18.6 ft	18.0 ft
15.0R	3.34 fc	27.9 ft	27.0 ft
20.0R	1.88 fc	37.2 ft	36.1 ft
25.0R	1.20 fc	46.5 ft	45.1 ft
30.0R	0.83 fc	55.8 ft	54.1 ft

■ Vert. Spread: 85.9°
■ Horiz. Spread: 84.1°

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	50	30	20	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	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.12	1.09	1.06	1.04	1.10	1.07	1.04	.92	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91	.91	.91	.91	.91	.91	.91
2	1.05	1.00	.95	.91	1.03	.98	.93	.83	.94	.91	.88	.91	.88	.86	.89	.86	.84	.82	.82	.82	.82	.82	.82	.82
3	.99	.91	.85	.80	.96	.89	.84	.75	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74	.74	.74	.74	.74	.74	.74
4	.92	.83	.77	.71	.90	.82	.76	.68	.80	.74	.70	.78	.73	.69	.76	.72	.68	.67	.67	.67	.67	.67	.67	.67
5	.86	.76	.69	.64	.84	.75	.69	.62	.73	.68	.63	.72	.66	.63	.70	.65	.62	.60	.60	.60	.60	.60	.60	.60
6	.81	.70	.63	.58	.79	.69	.62	.56	.68	.62	.57	.66	.61	.57	.65	.60	.56	.55	.55	.55	.55	.55	.55	.55
7	.76	.65	.57	.52	.74	.64	.57	.51	.62	.56	.52	.61	.56	.52	.60	.55	.51	.50	.50	.50	.50	.50	.50	.50
8	.71	.60	.53	.48	.70	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45	.45	.45	.45	.45	.45	.45
9	.67	.55	.48	.44	.66	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.42	.42	.42	.42	.42	.42	.42
10	.63	.52	.45	.40	.62	.51	.45	.40	.50	.44	.40	.49	.44	.40	.48	.43	.40	.38	.38	.38	.38	.38	.38	.38

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	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751
10	757	756	754	753	751	750	748	745	744	742	741	740	740	739	739	739	739	739	740	741	743	744	745	747	748	749	749	750	750	751	751	752	751	752	752	752	752	757
20	750	749	747	747	746	745	745	743	740	738	734	731	733	732	730	729	729	729	730	731	731	733	734	737	740	740	741	742	744	744	745	744	744	743	745	745	750	
30	697	694	693	693	692	692	691	688	685	681	679	675	675	675	674	673	672	673	674	675	677	679	681	683	685	687	688	690	690	688	686	684	683	685	689	693	697	
40	483	483	483	486	487	487	487	485	481	479	475	474	475	475	472	470	468	469	470	470	471	473	472	472	471	470	471	474	473	473	471	470	470	472	476	480	483	
50	147	147	146	147	148	148	147	146	145	145	144	142	141	139	137	136	136	137	139	140	143	146	148	150	150	149	150	151	150	149	148	147	145	144	144	144	147	
60	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	19	19	19	19	19	19	19	19	18	18	18	18
70	8	8	8	8	7	7	7	7	7	7	7	7	7	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	
80	4	4	4	4	4	4	4	4	3	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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 3A V10 358mA 31.09V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/3/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D2-LUN3A-1330C-8C-WS-Z-0
[LUMINAIRE] D2-LUN3A-1330C-8C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 80 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.