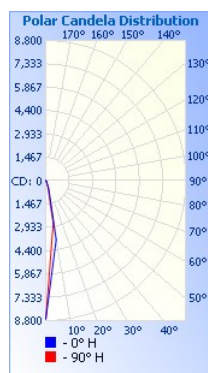


ZANIBONI® LIGHTING

Filename: D2-LUN3A-1330C-1C-WS-Z-8
Manufacturer: Zaniboni Lighting
Luminaire: D2-LUN3A-1330C-1C-WS-Z-0
Luminaire Cat: D2-LUN3A-1330C-1C-WS-Z-0
Lamp: WHITE 3K 90 CRI 15 DEGREE
Lamp Output: Total luminaire Lumens: 1188.8
Max Candela: 8,729.8 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 1.57")
Test: LUNA 3A 697mA 18.46V
Test Lab: Zaniboni Light
Photometry: Type C
Nema Type: 3 X 3



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	0.5
Max Cd, 80 to <90 Deg:	1.2
Lumens % Lamp	
Downward Street Side:	644.0 54.2%
Downward House Side:	614.2 51.7%
Downward Total:	1,258.3 105.8%
Total Lumens:	1,258.3 105.8%

Flood Summary

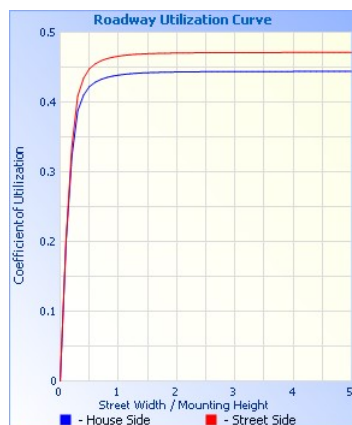
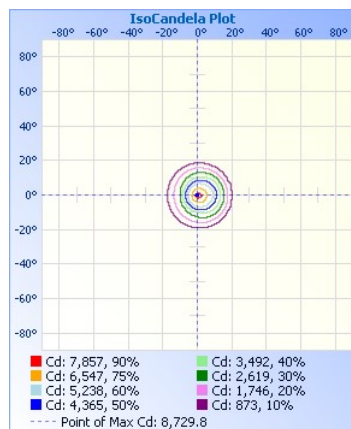
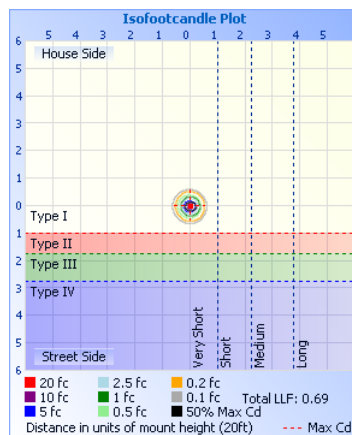
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	84.3%	1,002.6	37.2	37.4
Beam (50%):	34.9%	415.4	18	16.9
Total:	105.7%	1,256.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,102.0	92.7%
0-40	1,146.4	96.4%
0-60	1,181.4	99.4%
60-90	7.5	0.6%
0-90	1,188.8	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	465.6	39.2%
10-20	506.8	42.6%
20-30	129.6	10.9%
30-40	44.3	3.7%
40-50	22.8	1.9%
50-60	12.3	1.0%
60-70	5.0	0.4%
70-80	1.7	0.1%
80-90	0.7	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	349 fc	1.5 ft 1.6 ft
10.0R	87.3 fc	3.0 ft 3.2 ft
15.0R	38.8 fc	4.4 ft 4.8 ft
20.0R	21.8 fc	5.9 ft 6.3 ft
25.0R	14.0 fc	7.4 ft 7.9 ft
30.0R	9.70 fc	8.9 ft 9.5 ft
Vert. Spread: 16.9°		
Horiz. Spread: 18.0°		

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	1.13	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	.97	.96	.95	.93
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.94	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.94	.93	.92	.90
3	1.08	1.03	.99	.96	1.06	1.02	.98	.91	.99	.96	.94	.97	.95	.93	.95	.93	.91	.90	.89	.87	.85
4	1.04	.99	.95	.92	1.03	.98	.94	.88	.96	.93	.90	.94	.92	.89	.92	.90	.89	.87	.86	.84	.82
5	1.01	.95	.91	.88	1.00	.95	.91	.85	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85	.84	.83	.81
6	.98	.92	.88	.85	.97	.92	.88	.83	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82	.81	.80	.78
7	.96	.89	.85	.82	.95	.89	.85	.81	.88	.84	.82	.87	.84	.81	.86	.83	.81	.80	.79	.78	.76
8	.93	.87	.83	.80	.92	.86	.83	.79	.85	.82	.80	.85	.81	.79	.84	.81	.79	.78	.77	.76	.74
9	.91	.84	.80	.78	.90	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.77	.76	.75	.74	.73
10	.89	.82	.78	.76	.88	.82	.78	.75	.81	.78	.75	.81	.78	.75	.80	.77	.75	.74	.73	.72	.71

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	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8730	8
10	3764	3577	3398	3233	3087	2961	2857	2776	2719	2684	2669	2674	2699	2748	2819	2912	3024	3159	3317	3491	3673	3861	4042	4219	4377	4510	4612	4677	4701	4674	4601	4487	4336	4
20	521	492	462	434	409	388	370	356	345	338	338	341	348	358	369	384	402	425	452	483	514	546	577	605	628	646	657	661	661	652	640	622	599	
30	112	108	104	101	97	94	92	89	87	86	85	85	86	87	89	91	93	97	100	104	108	112	116	120	122	124	125	125	126	125	124	122	120	
40	42	41	40	39	38	37	36	35	35	35	34	34	34	34	35	36	37	38	38	40	41	42	43	44	45	45	45	45	45	45	44	44	43	
50	20	20	19	19	18	18	18	18	17	17	17	17	18	18	18	18	19	19	20	20	21	21	22	22	22	22	22	23	22	22	22	21	21	
60	8	8	7	7	7	7	6	6	6	6	6	6	6	7	7	7	7	8	8	8	9	9	9	10	10	10	10	10	10	10	9	9	9	
70	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	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 697mA 18.46V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 5/13/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D2-LUN3A-1330C-1C-WS-Z-0
[LUMINAIRE] D2-LUN3A-1330C-1C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 15 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.