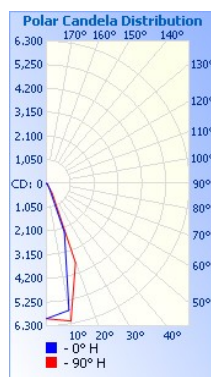


# ZANIBONI® LIGHTING

**Filename:** D3-LU4OS-1830C-3C-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D3-LU4OS-1830C-3C-WS-Z-0  
**Luminaire Cat:** D3-LU4OS-1830C-3C-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 36 DEGREE  
**Lamp Output:** Total luminaire Lumens: 2187.4  
**Max Candela:** 6,207.1 at Horizontal: 90°, Vertical: 10°  
**Luminous Opening:** Circular (Dia: 2.76")  
**Test:** LUNA 40S V13 515mA 33.61V  
**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:	1.8
Max Cd, 80 to <90 Deg:	1.5
Lumens % Lamp	
Downward Street Side:	1,192.3 54.5%
Downward House Side:	1,041.1 47.6%
Downward Total:	2,233.4 102.1%
Total Lumens:	2,233.4 102.1%

## Flood Summary

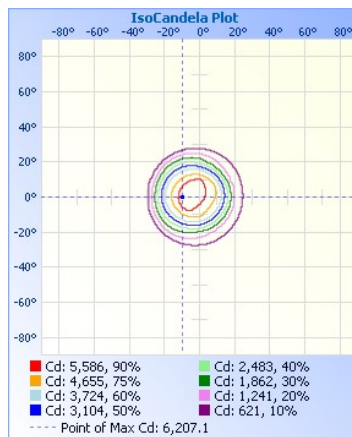
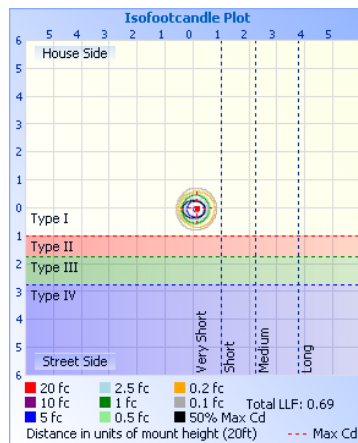
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	91.1%	1,993.3	53.9	53.5
Beam (50%):	60.4%	1,321.3	35.8	32.2
Total:	102%	2,230.9		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,010.3	91.9%
0-40	2,106.7	96.3%
0-60	2,167.7	99.1%
60-90	19.7	0.9%
0-90	2,187.4	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	520.6	23.8%
10-20	976.6	44.6%
20-30	513.1	23.5%
30-40	96.4	4.4%
40-50	35.1	1.6%
50-60	25.8	1.2%
60-70	15.2	0.7%
70-80	3.6	0.2%
80-90	0.9	0.0%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0ft	240 fc	2.9 ft 3.2 ft
10.0ft	60.1 fc	5.8 ft 6.5 ft
15.0ft	26.7 fc	8.7 ft 9.7 ft
20.0ft	15.0 fc	11.6 ft 12.9 ft
25.0ft	9.61 fc	14.4 ft 16.2 ft
30.0ft	6.67 fc	17.3 ft 19.4 ft

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>				<b>70</b>				<b>50</b>				<b>30</b>				<b>10</b>				<b>0</b>
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	1.12	1.10	1.08	1.12	1.10	1.08	.96	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.99	.98	.97	.95
2	1.10	1.06	1.03	1.00	1.08	1.04	1.01	.92	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.96	.94	.93	.91
3	1.06	1.01	.97	.93	1.04	.99	.96	.88	.97	.94	.91	.95	.92	.90	.92	.90	.88	.89	.87	.85	.83
4	1.02	.96	.91	.88	1.00	.95	.91	.84	.93	.89	.87	.91	.88	.86	.89	.87	.85	.86	.83	.81	.80
5	.98	.92	.87	.84	.97	.91	.86	.81	.89	.85	.82	.88	.84	.82	.86	.83	.81	.84	.80	.78	.77
6	.95	.88	.83	.80	.94	.87	.83	.78	.86	.82	.79	.84	.81	.78	.83	.80	.78	.81	.77	.75	.74
7	.92	.84	.80	.76	.90	.84	.79	.75	.83	.79	.76	.81	.78	.75	.80	.77	.75	.78	.75	.72	.71
8	.89	.81	.76	.73	.88	.81	.76	.72	.80	.76	.73	.79	.75	.72	.78	.75	.72	.76	.72	.70	.68
9	.86	.78	.73	.70	.85	.78	.73	.69	.77	.73	.70	.76	.72	.70	.75	.72	.70	.74	.70	.67	.66
10	.83	.75	.71	.68	.82	.75	.71	.67	.74	.70	.67	.74	.70	.67	.73	.70	.67	.73	.70	.67	.66

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	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	6007	
10	5719	5803	5890	5961	6016	6063	6118	6170	6203	6207	6176	6096	5967	5802	5611	5410	5215	5016	4811	4626	4463	4330	4241	4192	4189	4232	4308	4415	4537	4676	4820	4975	5137	5296	5441	5570	5719	
20	2311	2585	2867	3120	3337	3514	3656	3748	3784	3748	3619	3405	3136	2838	2539	2260	2002	1774	1578	1410	1271	1154	1069	1008	976	975	989	1003	1033	1080	1145	1234	1356	1519	1730	1993	2311	
30	251	288	333	377	417	450	475	495	507	503	476	439	392	347	305	270	240	219	200	181	161	141	125	114	108	106	105	106	109	115	126	139	154	171	194	219	251	
40	64	68	73	76	78	80	81	83	84	84	81	79	77	74	69	66	63	60	57	54	50	44	40	38	38	37	37	37	37	38	41	43	45	49	54	59	64	
50	33	33	33	33	33	33	34	35	35	35	35	34	34	33	32	32	32	32	33	32	32	31	31	30	30	30	31	31	32	32	32	32	32	33	33	33	33	
60	29	30	31	32	33	33	33	33	33	33	32	33	32	31	31	30	29	28	27	25	23	22	20	18	17	16	16	15	15	16	16	17	19	20	22	24	26	29
70	6	7	7	8	8	9	9	9	10	10	10	9	9	8	8	7	6	6	5	5	4	4	3	3	2	2	2	2	2	2	3	3	4	4	5	5	6	
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	1	
90	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1	0	1	1	1	1	2	1	1	1	0	0	0	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 4OS V13 515mA 33.61V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 3/27/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D3-LU4OS-1830C-3C-WS-Z-0  
[LUMINAIRE] D3-LU4OS-1830C-3C-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 36 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.