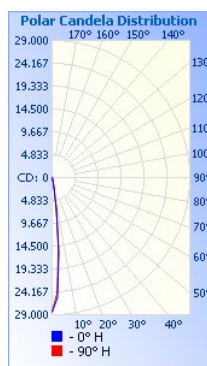


# ZANIBONI® LIGHTING

**Filename:** D3-LU4OS-1830C-SC-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D3-LU4OS-1830C-SC-WS-Z-0  
**Luminaire Cat:** D3-LU4OS-1830C-SC-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 10 DEGREE  
**Lamp Output:** Total luminaire Lumens: 1323.2  
**Max Candela:** 28,377.6 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 2.76")  
**Test:** LUNA 4OS V8 516mA 38.17V  
**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:	0.7
Max Cd, 80 to <90 Deg:	0
Lumens % Lamp	
Downward Street Side:	672.4 50.8%
Downward House Side:	674.9 51%
Downward Total:	1,347.2 101.8%
Total Lumens:	1,347.2 101.8%

## Flood Summary

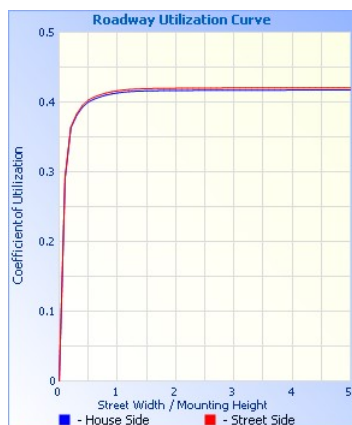
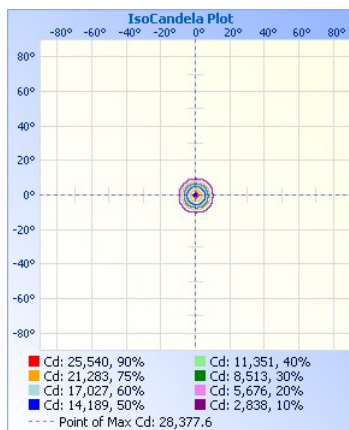
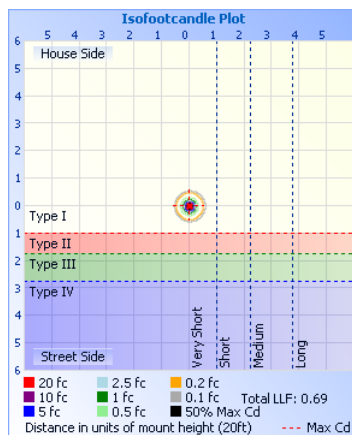
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	76%	1,005.2	19.3	19.4
Beam (50%):	37.7%	498.8	10.7	10.9
Total:	101.7%	1,345.2		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,243.7	94%
0-40	1,287.0	97.3%
0-60	1,316.8	99.5%
60-90	6.5	0.5%
0-90	1,323.2	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	995.6	75.2%
10-20	183.1	13.8%
20-30	65.0	4.9%
30-40	43.3	3.3%
40-50	26.5	2.0%
50-60	3.3	0.2%
60-70	3.6	0.3%
70-80	2.3	0.2%
80-90	0.6	0.0%



Center Beam fc	Beam Width
5.0R	1,135 fc 1.0 ft 0.9 ft
10.0R	284 fc 1.9 ft 1.9 ft
15.0R	126 fc 2.9 ft 2.8 ft
20.0R	70.9 fc 3.8 ft 3.7 ft
25.0R	45.4 fc 4.8 ft 4.7 ft
30.0R	31.5 fc 5.7 ft 5.6 ft

## Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	50	30	10	0
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Effective Floor Cavity Reflectance: 20%

RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	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	1.00
1	1.16	1.14	1.12	1.11	1.14	1.12	1.11	.99	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.00	1.00	.98
2	1.13	1.10	1.08	1.06	1.11	1.08	1.06	.97	1.05	1.04	1.02	1.03	1.01	1.00	1.00	.99	.98	.97
3	1.10	1.07	1.04	1.02	1.09	1.05	1.03	.96	1.03	1.01	.99	1.01	.99	.98	.99	.98	.96	.95
4	1.08	1.04	1.01	.99	1.07	1.03	1.00	.94	1.01	.99	.97	.99	.97	.96	.98	.96	.95	.94
5	1.06	1.02	.99	.96	1.05	1.01	.98	.93	.99	.97	.95	.98	.96	.94	.97	.95	.94	.93
6	1.04	1.00	.97	.94	1.03	.99	.96	.92	.98	.95	.93	.97	.95	.93	.96	.94	.92	.92
7	1.03	.98	.95	.93	1.02	.97	.95	.91	.96	.94	.92	.96	.93	.92	.95	.93	.91	.91
8	1.01	.96	.94	.91	1.00	.96	.93	.90	.95	.93	.91	.94	.92	.91	.94	.92	.90	.90
9	1.00	.95	.92	.90	.99	.95	.92	.89	.94	.92	.90	.93	.91	.90	.93	.91	.89	.89
10	.99	.94	.91	.89	.98	.94	.91	.89	.93	.91	.89	.93	.90	.89	.92	.90	.89	.88

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
0	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378	28378
2.5	25429	25227	25030	24844	24680	24540	24440	24371	24317	24276	24260	24263	24267	24278	24307	24376	24469	24574	24665	24733	24803	24866	24917	24943	24947	24946	24933
5	15906	15713	15532	15371	15247	15146	14911	14863	14852	14849	14869	14914	14957	15015	15074	15154	15284	15426	15585	15726	15838	15905	15940	15966	15966	15947	15936
7.5	6769	6663	6592	6523	6483	6457	6444	6448	6463	6491	6539	6573	6614	6655	6686	6707	6736	6760	6792	6816	6838	6858	6878	6879	6884	6871	6837
10	2365	2317	2276	2239	2206	2181	2156	2142	2140	2153	2163	2188	2213	2242	2262	2280	2297	2312	2332	2353	2369	2383	2392	2394	2396	2391	2379
12.5	833	812	788	765	749	731	716	705	696	692	695	698	705	712	718	726	736	748	759	770	779	790	802	815	819	822	822
15	432	424	415	405	398	390	384	380	378	376	373	372	373	375	377	380	387	393	399	398	399	402	407	410	413	417	420
30	69	70	70	71	71	72	73	74	74	75	74	74	72	71	70	70	69	69	69	68	67	66	66	65	65	65	64
60	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4
90	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	0	0	1

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 4OS V8 516mA 38.17V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/5/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D3-LU4OS-1830C-SC-WS-Z-0  
[LUMINAIRE] D3-LU4OS-1830C-SC-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 10 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.