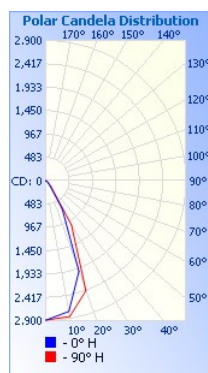


# ZANIBONI<sup>®</sup> LIGHTING

**Filename:** D3-LU4OS-1830C-5S-WS-Z-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D3-LU4OS-1830C-5S-WS-Z-0  
**Luminaire Cat:** D3-LU4OS-1830C-5S-WS-Z-0  
**Lamp:** WHITE 3K 90 CRI 50 DEGREE SOLITE FILM  
**Lamp Output:** Total luminaire Lumens: 1945.3  
**Max Candela:** 2,898.9 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 2.76")  
**Test:** LUNA 40S V13 515mA 33.61V  
**Test Lab:** Zaniboni Light  
**Photometry :** Type C  
**Nema Type:** 5 X 5



## Roadway Summary

**Cutoff Classification:** CUTOFF  
**Distribution:** TYPE I, VERY SHORT  
**Max Cd, 90 Deg Vert:** 1.6  
**Max Cd, 80 to <90 Deg:** 3.0  
**Lumens % Lamp**  
**Downward Street Side:** 969.4 49.8%  
**Downward House Side:** 997.0 51.3%  
**Downward Total:** 1,966.4 101.1%  
**Total Lumens:** 1,966.4 101.1%

## Flood Summary

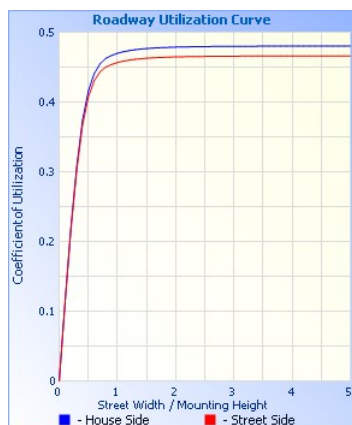
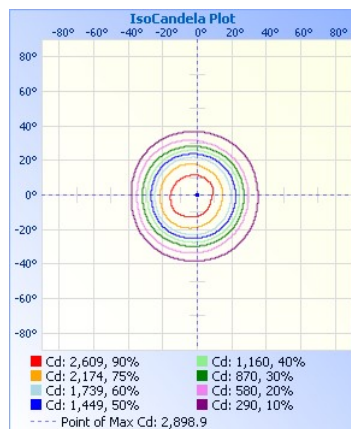
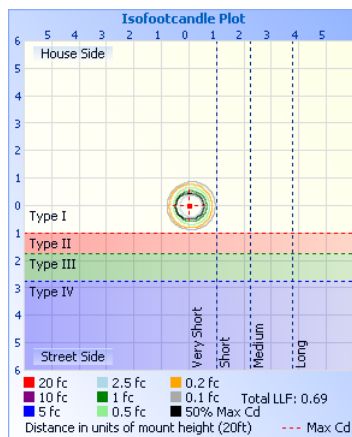
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
<b>Field (10%):</b>	91.6%	1,782.7	73.5	74.9
<b>Beam (50%):</b>	65.1%	1,266.3	49	48.9
<b>Total:</b>	101%	1,965.0		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,540.3	79.2%
0-40	1,806.5	92.9%
0-60	1,921.1	98.8%
60-90	24.2	1.2%
0-90	1,945.3	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	264.3	13.6%
10-20	659.8	33.9%
20-30	616.2	31.7%
30-40	266.2	13.7%
40-50	76.6	3.9%
50-60	38.0	2.0%
60-70	17.2	0.9%
70-80	5.5	0.3%
80-90	1.5	0.1%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
5.0R	116 fc	4.5 ft	4.6 ft
10.0R	29.0 fc	9.1 ft	9.1 ft
15.0R	12.9 fc	13.6 ft	13.7 ft
20.0R	7.25 fc	18.2 ft	18.2 ft
25.0R	4.64 fc	22.7 ft	22.8 ft
30.0R	3.22 fc	27.3 ft	27.3 ft

■ Vert. Spread: 48.9°  
■ Horiz. Spread: 49.0°

## Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	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	1.14	1.11	1.09	1.06	1.11	1.09	1.07	.94	1.05	1.03	1.02		1.01	1.00	.99		.98	.97	.96		.94
2	1.08	1.04	1.00	.97	1.06	1.02	.98	.89	.99	.96	.93		.96	.93	.91		.93	.91	.90		.88
3	1.03	.97	.92	.89	1.01	.96	.91	.83	.93	.90	.87		.91	.88	.85		.89	.86	.84		.82
4	.98	.91	.86	.82	.97	.90	.85	.78	.88	.84	.81		.86	.83	.80		.84	.81	.79		.77
5	.94	.86	.81	.76	.92	.85	.80	.74	.83	.79	.75		.82	.78	.75		.80	.77	.74		.73
6	.90	.81	.76	.72	.88	.80	.75	.70	.79	.74	.71		.78	.74	.70		.76	.73	.70		.69
7	.86	.77	.71	.67	.84	.76	.71	.66	.75	.70	.67		.74	.70	.66		.73	.69	.66		.65
8	.82	.73	.67	.64	.81	.72	.67	.62	.71	.67	.63		.70	.66	.63		.69	.66	.63		.61
9	.78	.69	.64	.60	.77	.69	.64	.59	.68	.63	.60		.67	.63	.60		.66	.62	.59		.58
10	.75	.66	.61	.57	.74	.66	.60	.56	.65	.60	.57		.64	.60	.57		.63	.59	.56		.55

### Candela Table - Type C

[illegible]

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 4OS V13 515mA 33.61V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/8/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D3-LU4OS-1830C-5S-WS-Z-0  
[LUMINAIRE] D3-LU4OS-1830C-5S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 50 DEGREE SOLITE FILM

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.