

**Filename: D3-LU4OS-1830C-2S-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: D3-LU4OS-1830C-2S-WS-Z-0

Luminaire Cat: D3-LU4OS-1830C-2S-WS-Z-0

Lamp: WHITE 3K 90 CRI 24 DEGREE + SOLITE FILM

Lamp Output: Total luminaire Lumens: 2113.6

Max Candela: 10,088.8 at Horizontal: 0°, Vertical: 0°

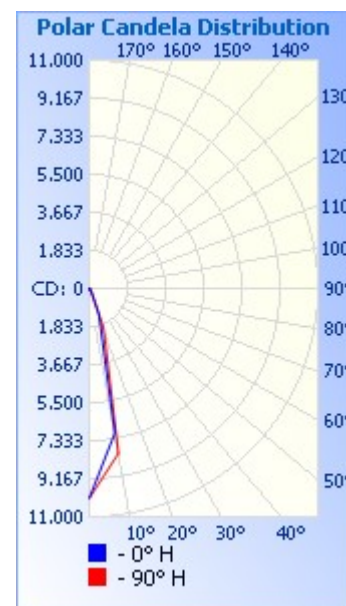
Luminous Opening: Circular (Dia: 2.76")

Test: LUNA 4OS V13 515mA 33.61V

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:	2.9
Max Cd, 80 to <90 Deg:	2.0
Lumens % Lamp	
Downward Street Side:	1,174.8 55.6%
Downward House Side:	1,018.1 48.2%
Downward Total:	2,192.9 103.8%
Total Lumens:	2,192.9 103.8%

Zonal Lumen Summary

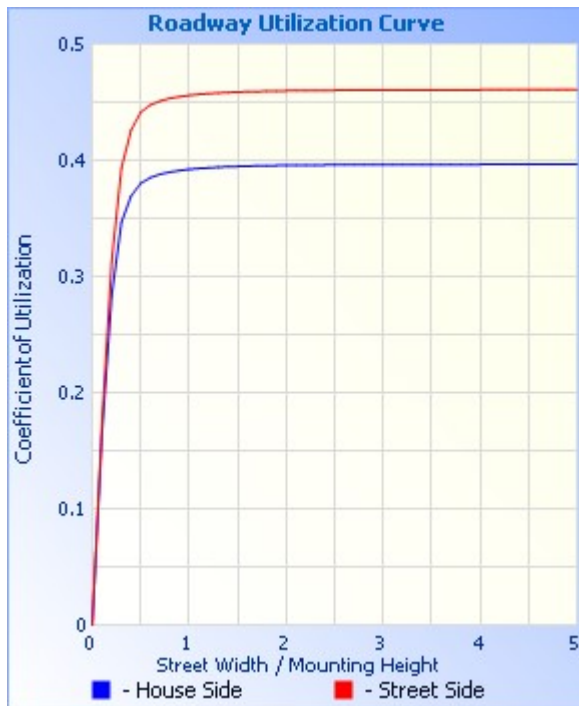
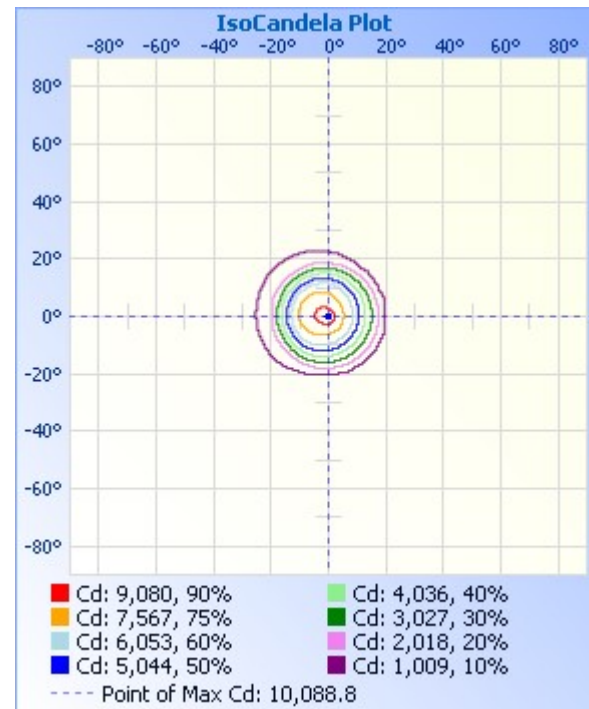
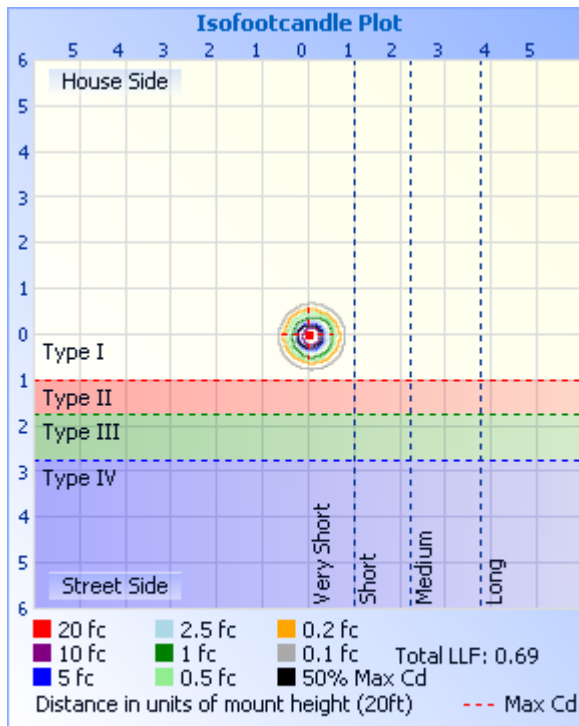
Zone	Lumens	% Luminaire
0-30	1,968.3	93.1%
0-40	2,042.0	96.6%
0-60	2,097.3	99.2%
60-90	16.3	0.8%
0-90	2,113.6	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	87.4%	1,847.3	45	42.6
Beam (50%):	49.9%	1,054.6	25	24.8
Total:	103.6%	2,189.5		

Lumens Per Zone

Zone	Lumens	% Total
0-10	702.8	33.3%
10-20	965.0	45.7%
20-30	300.5	14.2%
30-40	73.7	3.5%
40-50	34.3	1.6%
50-60	21.0	1.0%
60-70	11.0	0.5%
70-80	4.0	0.2%
80-90	1.2	0.1%



Illuminance at a Distance

	Center Beam fc	Beam Width
5.0ft	404 fc	2.2 ft 2.2 ft
10.0ft	101 fc	4.4 ft 4.4 ft
15.0ft	44.8 fc	6.6 ft 6.7 ft
20.0ft	25.2 fc	8.8 ft 8.9 ft
25.0ft	16.1 fc	11.0 ft 11.1 ft
30.0ft	11.2 fc	13.2 ft 13.3 ft

■ Vert. Spread: 24.8°

■ Horiz. Spread: 25.0°

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	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.12	1.10	1.09	.97	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.98	.98	.98	.96
2	1.11	1.07	1.04	1.01	1.09	1.05	1.03	.93	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.94	.94	.94	.93
3	1.07	1.02	.99	.96	1.05	1.01	.98	.90	.98	.96	.93	.96	.94	.92	.94	.92	.91	.91	.91	.91	.89

4	1.04	.98	.94	.91	1.02	.97	.93	.87	.95	.92	.89	.93	.91	.88	.91	.89	.87	.86
5	1.00	.94	.90	.87	.99	.93	.90	.84	.92	.88	.86	.90	.87	.85	.89	.86	.84	.83
6	.97	.91	.87	.84	.96	.90	.86	.81	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81
7	.95	.88	.84	.81	.93	.87	.83	.79	.86	.83	.80	.85	.82	.80	.84	.81	.79	.78
8	.92	.85	.81	.78	.91	.85	.81	.77	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
9	.89	.83	.78	.76	.89	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74
10	.87	.80	.76	.73	.86	.80	.76	.73	.79	.76	.73	.78	.75	.73	.78	.75	.73	.72

Candela Table - Type C

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	10089	10089	10089	10089	10089	10089	10089	10089	10089	10089	10089	10089	10089
10	7053	7784	8239	8055	7376	6513	5678	5138	4975	5080	5446	6077	7053
20	1354	1720	2063	1990	1554	1134	822	679	667	719	814	1017	1354
30	199	223	264	265	221	179	150	130	124	132	146	168	199
40	63	67	72	74	68	59	53	49	47	49	51	56	63
50	33	35	36	36	34	31	29	27	26	27	28	31	33
60	18	18	19	19	18	17	15	14	14	14	14	16	18
70	7	7	8	8	7	7	5	5	5	5	5	6	7
80	1	2	2	2	2	2	1	1	1	1	1	1	1
90	0	0	0	1	1	0	0	0	3	1	1	1	0

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 4OS V13 515mA 33.61V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 4/2/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D3-LU4OS-1830C-2S-WS-Z-0
[LUMINAIRE] D3-LU4OS-1830C-2S-WS-Z-0
[LAMP] WHITE 3K 90 CRI 24 DEGREE + SOLITE FILM

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 13
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.29 copyright 2003-2025 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.