

# ZANIBONI® LIGHTING

**Filename: D3-LU4OS-1830C-7S-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: D3-LU4OS-1830C-7S-WS-Z-0

Luminaire Cat: D3-LU4OS-1830C-7S-WS-Z-0

Lamp: WHITE 3K 90 CRI 70 DEGREE SOLITE FILM

Lamp Output: Total luminaire Lumens: 1811.8

Max Candela: 1,397.5 at Horizontal: 0°, Vertical: 0°

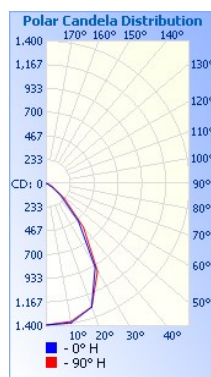
Luminous Opening: Circular (Dia: 2.76")

Test: LUNA 4OS V13 515mA 33.61V

Test Lab: Zaniboni Light

Photometry: Type C

Nema Type: 6 X 6



## Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	2.8
Max Cd, 80 to <90 Deg:	5.9
Lumens % Lamp	
Downward Street Side:	923.2 51%
Downward House Side:	897.6 49.5%
Downward Total:	1,820.8 100.5%
Total Lumens:	1,820.8 100.5%

## Flood Summary

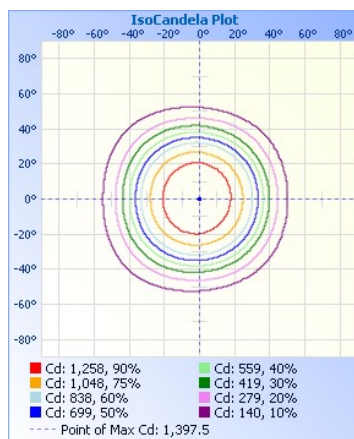
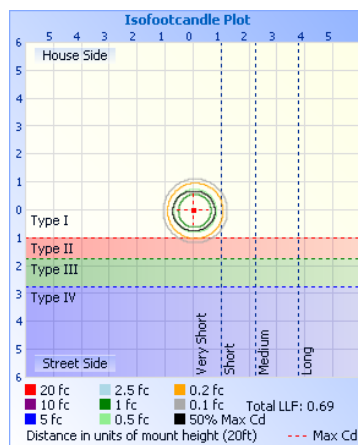
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	94.7%	1,715.7	105.1	104.7
Beam (50%):	68.5%	1,241.5	69.8	70
Total:	100.5%	1,820.0		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,001.8	55.3%
0-40	1,429.3	78.9%
0-60	1,769.8	97.7%
60-90	42.0	2.3%
0-90	1,811.8	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	132.1	7.3%
10-20	371.9	20.5%
20-30	497.8	27.5%
30-40	427.5	23.6%
40-50	243.2	13.4%
50-60	97.3	5.4%
60-70	30.3	1.7%
70-80	9.0	0.5%
80-90	2.8	0.2%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0 ft	55.9 fc	7.0 ft 7.0 ft
10.0 ft	14.0 fc	14.0 ft 14.0 ft
15.0 ft	6.21 fc	21.0 ft 20.9 ft
20.0 ft	3.49 fc	28.0 ft 27.9 ft
25.0 ft	2.24 fc	35.0 ft 34.9 ft
30.0 ft	1.55 fc	42.0 ft 41.9 ft
Vert. Spread: 70.0°		
Horiz. Spread: 69.8°		

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	1.13	1.09	1.07	1.04	1.10	1.07	1.05	.92	1.03	1.01	.99	.99	.99	.98	.96	.96	.95	.93	.92	.92	.92
2	1.06	1.00	.96	.92	1.04	.99	.94	.84	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83	.83	.83	.83
3	1.00	.92	.86	.82	.97	.91	.85	.77	.88	.83	.80	.85	.82	.79	.83	.80	.77	.76	.76	.76	.76
4	.93	.85	.78	.74	.92	.84	.78	.70	.81	.76	.72	.79	.75	.71	.77	.74	.70	.69	.69	.69	.69
5	.88	.78	.72	.67	.86	.77	.71	.64	.75	.70	.66	.74	.69	.65	.72	.68	.64	.63	.63	.63	.63
6	.83	.72	.66	.61	.81	.72	.65	.59	.70	.64	.60	.69	.63	.60	.67	.63	.59	.58	.58	.58	.58
7	.78	.67	.60	.56	.76	.67	.60	.54	.65	.59	.55	.64	.59	.55	.63	.58	.55	.53	.53	.53	.53
8	.73	.63	.56	.51	.72	.62	.56	.50	.61	.55	.51	.60	.55	.51	.59	.54	.50	.49	.49	.49	.49
9	.69	.59	.52	.47	.68	.58	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.45	.45	.45	.45
10	.66	.55	.48	.44	.65	.54	.48	.43	.53	.48	.44	.53	.47	.44	.52	.47	.44	.42	.42	.42	.42

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	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397	1397		
10	1397	1395	1394	1393	1392	1390	1389	1387	1385	1384	1383	1382	1382	1382	1381	1380	1379	1377	1376	1374	1372	1371	1370	1369	1368	1368	1368	1369	1371	1372	1373	1374	1375	1376	1376	1378	1397	
20	1298	1301	1304	1307	1308	1308	1306	1303	1299	1297	1295	1293	1290	1286	1280	1274	1267	1258	1249	1241	1233	1227	1221	1216	1214	1213	1214	1218	1223	1228	1235	1242	1250	1257	1266	1273	1298	
30	956	968	980	991	1001	1008	1011	1010	1008	1003	998	992	984	974	960	946	932	916	900	883	865	850	837	827	823	821	824	827	835	842	851	863	879	896	912	927	956	
40	489	502	516	530	542	554	561	565	566	564	559	551	541	527	513	497	482	467	452	437	421	407	395	386	381	380	381	384	387	392	399	408	420	434	450	466	489	
50	176	183	191	199	207	213	218	223	224	224	220	216	209	201	193	184	176	169	162	154	148	142	136	132	129	129	130	131	132	133	136	139	144	150	157	165	176	
60	47	51	54	58	61	64	67	69	70	71	70	68	65	63	60	57	53	50	47	44	41	38	36	35	34	33	33	33	33	34	34	35	36	38	40	43	47	
70	12	12	13	13	14	15	15	16	16	16	16	16	16	15	15	14	14	13	13	12	12	11	11	11	10	11	10	10	10	10	10	10	10	11	11	11	12	
80	4	4	4	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	
90	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	3	3	1	1	1	1	1	1	1	0	0	1	0	0	4

**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-7S-WS-Z-0  
[LUMINAIRE] D3-LU4OS-1830C-7S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 70 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.