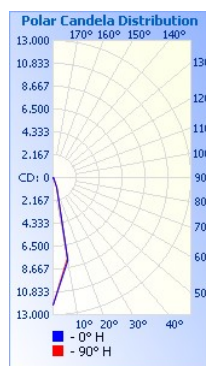


ZANIBONI® LIGHTING

Filename: D3-LU4OS-1830C-2C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D3-LU4OS-1830C-2C-WS-Z-0
Luminaire Cat: D3-LU4OS-1830C-2C-WS-Z-0
Lamp: WHITE 3K 90 CRI 24 DEGREE
Lamp Output: Total luminaire Lumens: 2252.1
Max Candela: 12,073.6 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: 3 X 3



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	7.5
Max Cd, 80 to <90 Deg:	1.2
Lumens % Lamp	
Downward Street Side:	1,200.3 53.3%
Downward House Side:	1,147.0 50.9%
Downward Total:	2,347.3 104.2%
Total Lumens:	2,347.3 104.2%

Flood Summary

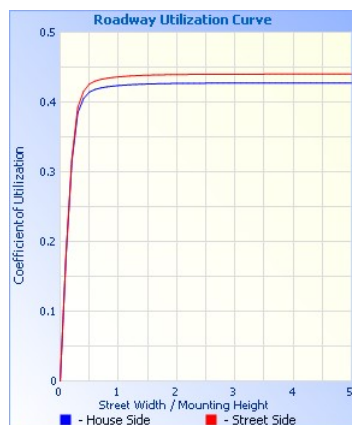
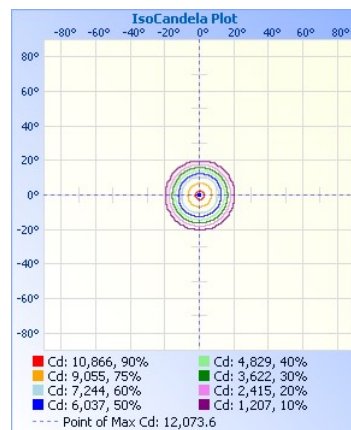
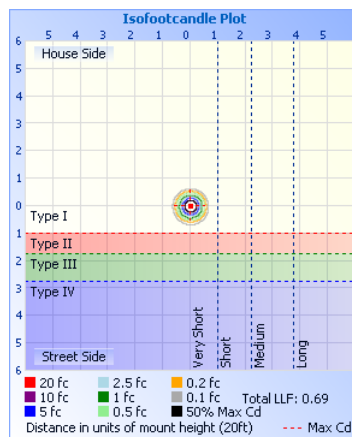
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	89%	2,003.6	39.2	39.2
Beam (50%):	54.8%	1,233.3	24.9	24.9
Total:	104%	2,343.2		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,146.8	95.3%
0-40	2,196.5	97.5%
0-60	2,239.0	99.4%
60-90	13.1	0.6%
0-90	2,252.1	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	840.4	37.3%
10-20	1,073.3	47.7%
20-30	233.1	10.3%
30-40	49.7	2.2%
40-50	24.7	1.1%
50-60	17.7	0.8%
60-70	9.2	0.4%
70-80	2.8	0.1%
80-90	1.1	0.0%



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	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	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.94	1.03	1.01	.99	1.00	.98	.97	.98	.96	.95	.94
3	1.08	1.03	1.00	.97	1.06	1.02	.99	.91	1.00	.97	.95	.97	.95	.93	.95	.93	.92	.91
4	1.05	.99	.96	.93	1.03	.98	.95	.89	.96	.93	.91	.95	.92	.90	.93	.91	.89	.88
5	1.02	.96	.92	.89	1.00	.95	.91	.86	.94	.90	.88	.92	.89	.87	.91	.88	.86	.85
6	.99	.93	.89	.86	.98	.92	.88	.84	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7	.96	.90	.86	.83	.95	.89	.86	.82	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
8	.94	.87	.83	.81	.93	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9	.92	.85	.81	.79	.91	.85	.81	.78	.84	.81	.78	.83	.80	.78	.83	.80	.78	.77
10	.89	.83	.79	.77	.89	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75

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	27
0	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074	12074
10	7976	7928	7899	7880	7849	7801	7757	7731	7725	7741	7766	7775	7760	7729	7685	7621	7535	7457	7402	7376	7376	7392	7415	7426	7449	7490	7550	7550
20	1020	1010	1017	1025	1025	1011	988	967	952	947	949	953	953	945	927	906	887	871	866	869	880	894	907	914	918	922	930	930
30	135	133	132	132	132	130	129	125	122	119	119	118	117	116	118	119	119	119	119	119	118	119	120	121	122	123	123	123
40	41	41	41	41	41	41	40	40	40	39	38	38	37	36	37	37	37	37	37	37	37	37	38	38	38	39	39	39
50	27	27	27	27	27	27	26	27	26	26	26	25	25	25	25	25	25	25	24	24	24	24	24	25	25	25	25	25
60	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14
70	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	
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
90	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1

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-2C-WS-Z-0
[LUMINAIRE] D3-LU4OS-1830C-2C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 24 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.