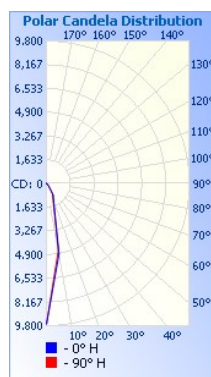


# ZANIBONI® LIGHTING

**Filename:** W3-KA4DSS-3630A-2C-SS-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** W3-KA4DSS-3630A-2C-SS-0  
**Luminaire Cat:** W3-KA4DSS-3630A-2C-SS-0  
**Lamp:** WHITE 3K 80 24 DEG CLEAR  
**Lamp Output:** Total luminaire Lumens: 2304.9  
**Max Candela:** 9,719.1 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Circular (Dia: 3.54")  
**Test:** KAILA 4D SS V13 506mA 18W  
**Test Lab:** Zaniboni Light  
**Photometry:** Type C  
**Nema Type:** 4 X 4



## Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.6
Max Cd, 80 to <90 Deg:	4.4
Lumens % Lamp	
Downward Street Side:	1,213.2 52.6%
Downward House Side:	1,167.7 50.7%
Downward Total:	2,380.9 103.3%
Total Lumens:	2,380.9 103.3%

## Flood Summary

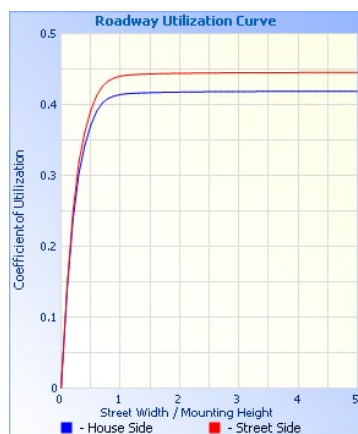
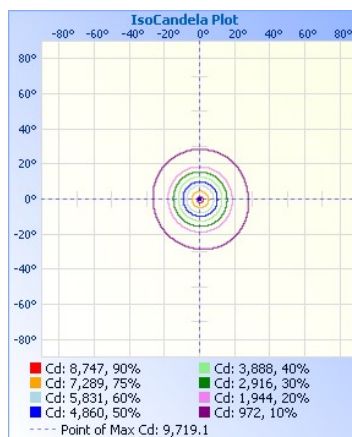
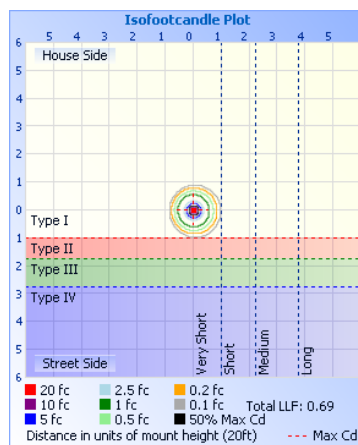
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	79.6%	1,835.3	54.5	57.2
Beam (50%):	26.1%	601.5	19.3	19.6
Total:	103.2%	2,378.0		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,870.2	81.1%
0-40	2,189.7	95%
0-60	2,288.6	99.3%
60-90	16.3	0.7%
0-90	2,304.9	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	569.7	24.7%
10-20	789.8	34.3%
20-30	510.7	22.2%
30-40	319.5	13.9%
40-50	83.1	3.6%
50-60	15.8	0.7%
60-70	9.6	0.4%
70-80	5.0	0.2%
80-90	1.7	0.1%



**Illuminance at a Distance**

	Center Beam fc	Beam Width
5.0ft	389 fc	1.7 ft
10.0ft	97.2 fc	3.5 ft
15.0ft	43.2 fc	5.2 ft
20.0ft	24.3 fc	6.9 ft
25.0ft	15.6 fc	8.7 ft
30.0ft	10.8 fc	10.4 ft

■ Vert. Spread: 19.6°  
 ■ Horiz. Spread: 19.3°

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	1.14	1.12	1.10	1.08	1.12	1.10	1.08	.95	1.06	1.04	1.03	1.02	1.01	1.00	.98	.98	.97	.97	.97	.97	.95
2	1.09	1.05	1.02	.99	1.07	1.04	1.00	.91	1.00	.98	.95	.97	.95	.93	.95	.93	.92	.92	.92	.92	.90
3	1.05	.99	.95	.92	1.03	.98	.94	.86	.96	.92	.90	.93	.90	.88	.91	.89	.87	.87	.87	.85	.85
4	1.01	.94	.89	.86	.99	.93	.89	.82	.91	.87	.84	.89	.86	.83	.87	.85	.82	.82	.82	.81	.81
5	.97	.90	.85	.81	.95	.89	.84	.78	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77	.77	.77	.77
6	.93	.85	.80	.77	.92	.85	.80	.75	.83	.79	.76	.82	.78	.75	.81	.77	.75	.74	.74	.74	.74
7	.89	.82	.76	.73	.88	.81	.76	.71	.80	.75	.72	.79	.75	.72	.78	.74	.72	.70	.70	.70	.70
8	.86	.78	.73	.70	.85	.78	.73	.68	.77	.72	.69	.76	.72	.69	.75	.71	.69	.67	.67	.67	.67
9	.83	.75	.70	.67	.82	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.65	.65	.65	.65
10	.80	.72	.67	.64	.79	.72	.67	.63	.71	.67	.64	.70	.66	.63	.69	.66	.63	.62	.62	.62	.62

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	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719	9719
10	4942	4951	4948	4943	4925	4895	4852	4794	4734	4680	4631	4585	4547	4523	4510	4506	4516	4527	4545	4566	4586	4596	4610	4627	4643	4664	4685	4710	4740	4768	4788	4804	4818	4835	4855	4870	4942
20	1496	1506	1497	1496	1480	1461	1439	1411	1377	1352	1342	1334	1330	1337	1348	1360	1382	1403	1421	1432	1437	1436	1426	1408	1385	1363	1343	1331	1323	1322	1330	1355	1378	1407	1437	1460	1496
30	912	898	885	870	850	835	835	826	816	808	800	796	796	800	806	821	840	859	876	893	901	908	903	892	884	879	870	854	844	845	859	873	887	894	898	902	912
40	232	244	254	261	258	252	247	245	239	232	229	228	226	220	209	200	192	184	175	171	168	164	158	156	156	154	154	152	151	153	160	169	184	192	202	216	232
50	24	24	25	25	25	26	26	26	25	25	25	25	24	24	24	23	23	22	22	21	21	21	21	21	21	21	21	21	21	20	21	21	21	21	22	22	24
60	13	14	14	14	14	14	14	14	14	14	14	14	14	14	13	13	13	13	13	12	12	12	11	11	11	11	11	11	11	11	11	11	12	12	12	13	13
70	7	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	6	6	6	6	5	5	5	5	5	5	5	5	5	6	6	6	7	7	7
80	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	2	2	1	1	1	2	1	2	2	1	2	2	2	3	3
90	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] KAILA 4D SS V13 506mA 18W  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/10/2024  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] W3-KA4DSS-3630A-2C-SS-0  
[LUMINAIRE] W3-KA4DSS-3630A-2C-SS-0  
[LAMP] WHITE 3K 80 24 DEG CLEAR

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.