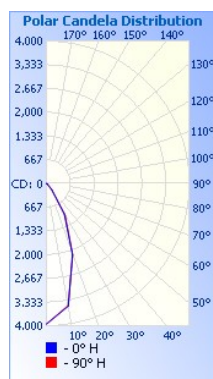


ZANIBONI® LIGHTING

Filename: W3-KA4DSS-3630A-3C-SS-0
Manufacturer: Zaniboni Lighting
Luminaire: W3-KA4DSS-3630A-3C-SS-0
Luminaire Cat: W3-KA4DSS-3630A-3C-SS-0
Lamp: WHITE 3K 80 36 DEG CLEAR
Lamp Output: Total luminaire Lumens: 2249.3
Max Candela: 3,964.1 at Horizontal: 0°, Vertical: 0°
Input Wattage: 18
Luminous Opening: Circular (Dia: 3.54")
Test: KAILA 4D SS V13 506mA 18W
Test Lab: Zaniboni Light
Photometry: Type C
Nema Type: 5 X 5



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.6
Max Cd, 80 to <90 Deg:	5.7
Lumens % Lamp	
Downward Street Side:	1,164.2 51.8%
Downward House Side:	1,114.4 49.5%
Downward Total:	2,278.6 101.3%
Total Lumens:	2,278.6 101.3%

Flood Summary

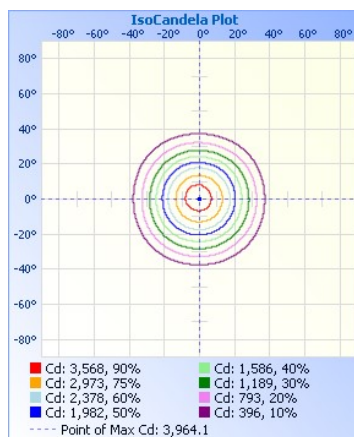
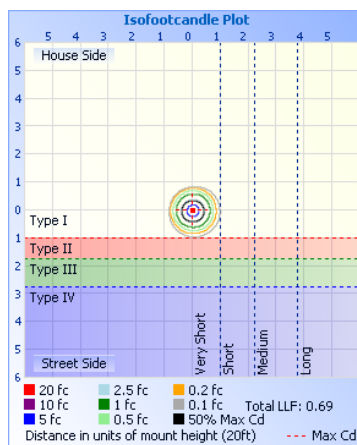
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93.1%	2,094.2	74.9	74.7
Beam (50%):	51%	1,146.2	41.3	41.1
Total:	101.2%	2,276.8		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,765.0	78.5%
0-40	2,120.8	94.3%
0-60	2,223.7	98.9%
60-90	25.6	1.1%
0-90	2,249.3	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	339.3	15.1%
10-20	743.0	33.0%
20-30	682.7	30.4%
30-40	355.8	15.8%
40-50	80.7	3.6%
50-60	22.2	1.0%
60-70	14.9	0.7%
70-80	8.2	0.4%
80-90	2.4	0.1%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
5.0 ft	159 fc	3.7 ft	3.8 ft
10.0 ft	39.6 fc	7.5 ft	7.5 ft
15.0 ft	17.6 fc	11.2 ft	11.3 ft
20.0 ft	9.91 fc	15.0 ft	15.1 ft
25.0 ft	6.34 fc	18.7 ft	18.8 ft
30.0 ft	4.40 fc	22.5 ft	22.6 ft

■ Vert. Spread: 41.1°
 ■ Horiz. Spread: 41.3°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

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

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	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964	3964
10	3513	3522	3525	3531	3536	3534	3529	3518	3506	3493	3479	3466	3449	3424	3402	3385	3371	3351	3333	3325	3318	3313	3312	3312	3314	3322	3333	3338	3353	3368	3384	3399	3411	3429	3447	3470	3513
20	2128	2146	2161	2172	2182	2183	2181	2174	2165	2149	2133	2115	2094	2069	2042	2018	1995	1973	1955	1947	1940	1928	1922	1919	1922	1928	1940	1953	1972	1992	2013	2034	2053	2069	2081	2094	2128
30	997	1013	1024	1030	1033	1039	1043	1045	1045	1050	1054	1054	1054	1051	1041	1031	1014	997	989	979	972	958	947	946	954	962	969	964	963	969	972	968	968	967	963	969	997
40	216	226	237	244	253	260	263	260	254	248	236	225	212	203	190	174	160	150	140	132	126	121	118	117	116	119	124	129	134	144	154	166	178	189	197	205	216
50	32	32	32	33	33	33	33	33	32	32	32	32	31	31	31	31	31	31	30	31	31	31	31	31	30	30	30	30	30	30	30	31	31	31	31	32	32
60	19	19	20	20	20	19	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19
70	13	13	13	13	12	13	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	13
80	5	5	5	5	6	6	6	6	6	5	5	5	5	5	5	5	4	4	4	4	3	3	3	3	3	3	2	2	2	2	3	3	3	3	4	4	5
90	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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-3C-SS-0
[LUMINAIRE] W3-KA4DSS-3630A-3C-SS-0
[LAMP] WHITE 3K 80 36 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.