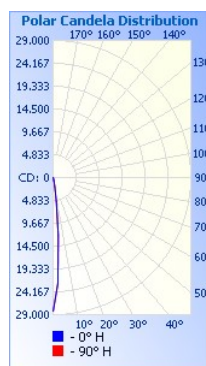


ZANIBONI® LIGHTING

Filename: W3-KA4DSS-3630A-1F-SS-0
Manufacturer: Zaniboni Lighting
Luminaire: W3-KA4DSS-3630A-1F-SS-0
Luminaire Cat: W3-KA4DSS-3630A-1F-SS-0
Lamp: 3K WHITE 80 CRI 10 DEG
Lamp Output: Total luminaire Lumens: 1118.5
Max Candela: 28,247.0 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 3.54")
Test: KAILA 4D SS 500mA 36V 18W
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 2 X 2



Roadway Summary

Cutoff Classification:	N/A
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.4
Max Cd, 80 to <90 Deg:	0
Lumens % Lamp	
Downward Street Side:	571.7 51.1%
Downward House Side:	570.9 51%
Downward Total:	1,142.6 102.2%
Total Lumens:	1,142.6 102.2%

Flood Summary

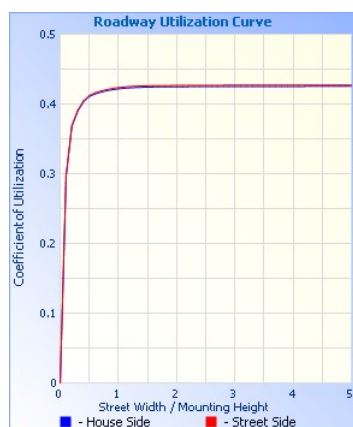
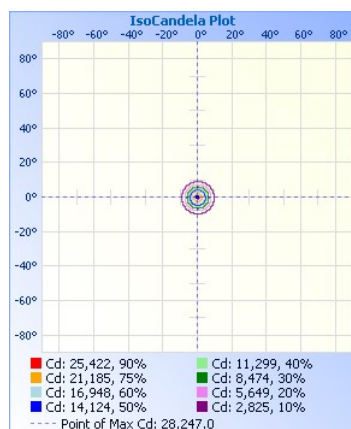
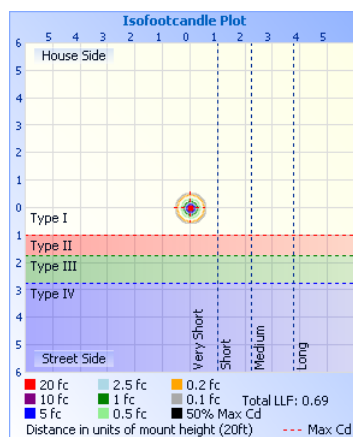
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	70.7%	791.0	18.5	18.5
Beam (50%):	36.9%	412.8	9	9.1
Total:	101.8%	1,139.1		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,061.0	94.9%
0-40	1,092.3	97.7%
0-60	1,113.8	99.6%
60-90	4.6	0.4%
0-90	1,118.5	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	821.8	73.5%
10-20	178.3	15.9%
20-30	61.0	5.5%
30-40	31.3	2.8%
40-50	19.2	1.7%
50-60	2.4	0.2%
60-70	2.6	0.2%
70-80	1.6	0.1%
80-90	0.4	0.0%



Center Beam fc	Beam Width
5.0R 1,130 fc	0.8 ft 0.8 ft
10.0R 282 fc	1.6 ft 1.6 ft
15.0R 126 fc	2.4 ft 2.4 ft
20.0R 70.6 fc	3.2 ft 3.2 ft
25.0R 45.2 fc	4.0 ft 3.9 ft
30.0R 31.4 fc	4.8 ft 4.7 ft

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	50	30	10	0
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Effective Floor Cavity Reflectance: 20%

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	1.16	1.14	1.12	1.11	1.14	1.12	1.11	.99	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.00	1.00	.98
2	1.13	1.10	1.08	1.06	1.11	1.08	1.06	.97	1.05	1.04	1.02	1.03	1.01	1.00	1.00	.99	.98	.97
3	1.10	1.07	1.04	1.02	1.09	1.05	1.03	.96	1.03	1.01	.99	1.01	.99	.98	.99	.98	.96	.95
4	1.08	1.04	1.01	.99	1.07	1.03	1.00	.94	1.01	.99	.97	.99	.97	.96	.98	.96	.95	.94
5	1.06	1.02	.98	.96	1.05	1.01	.98	.93	.99	.97	.95	.98	.96	.94	.97	.95	.94	.93
6	1.04	1.00	.96	.94	1.03	.99	.96	.92	.98	.95	.93	.97	.94	.93	.96	.94	.92	.91
7	1.03	.98	.95	.93	1.02	.97	.94	.91	.96	.94	.92	.95	.93	.92	.95	.93	.91	.90
8	1.01	.96	.93	.91	1.00	.96	.93	.90	.95	.93	.91	.94	.92	.90	.94	.92	.90	.89
9	1.00	.95	.92	.90	.99	.95	.92	.89	.94	.91	.90	.93	.91	.89	.93	.91	.89	.89
10	.98	.94	.91	.89	.98	.93	.91	.88	.93	.90	.89	.92	.90	.89	.92	.90	.88	.88

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
0	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247	28247
2.5	22450	22441	22424	22408	22398	22380	22365	22351	22342	22331	22315	22301	22293	22280	22263	22250	22243	22239	22226	22215	22203	22194	22189	22180	22170	22162	22150	22148	22139	22136	22132
5	12284	12273	12266	12260	12249	12242	12233	12225	12220	12216	12207	12201	12197	12189	12185	12177	12171	12167	12164	12159	12154	12149	12146	12141	12136	12134	12128	12125	12123	12118	12117
7.5	5078	5075	5072	5069	5067	5065	5062	5060	5056	5056	5053	5052	5051	5050	5048	5046	5044	5043	5042	5041	5040	5038	5037	5037	5034	5034	5032	5032	5031	5031	5030
10	1885	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1885	1885	1885	1885	1886	1886	1886	1886	1886	1886	1886	1887	1887	1888	1888	1888	1888	1889	1889
12.5	774	773	773	773	773	773	773	772	772	772	772	772	771	771	771	771	771	771	771	771	771	771	770	771	770	770	770	770	770	770	770
15	433	433	432	432	432	432	431	431	431	431	430	430	430	430	430	430	429	429	429	429	429	429	429	429	428	428	428	428	428	428	428
30	50	50	50	50	50	50	50	50	50	49	49	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
60	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
90	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 500mA 36V 18W
[TESTLAB] Zaniboni Light
[ISSUEDATE] 7/24/2024
[MANUFAC] Zaniboni Lighting
[LUMCAT] W3-KA4DSS-3630A-1F-SS-0
[LUMINAIRE] W3-KA4DSS-3630A-1F-SS-0
[LAMP] 3K WHITE 80 CRI 10 DEG

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.