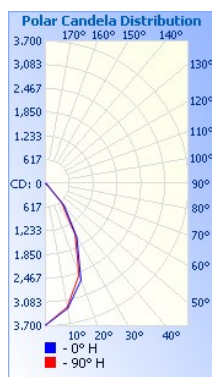


# ZANIBONI® LIGHTING

**Filename:** D4-BONG4-2630A-6C-WS-0  
**Manufacturer:** Zaniboni Lighting  
**Luminaire:** D4-BONG4-2630A-6C-WS-0  
**Luminaire Cat:** D4-BONG4-2630A-6C-WS-0  
**Lamp:** WHITE 3K 80 60 DEG CLEAR  
**Lamp Output:** Total luminaire Lumens: 3304.2  
**Max Candela:** 3,696.1 at Horizontal: 0°, Vertical: 0°  
**Input Wattage:** 26  
**Luminous Opening:** Circular (Dia: 4.88")  
**Test:** BONGO 4 V13 697mA 26W  
**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:	5.7
Max Cd, 80 to <90 Deg:	22.5
Lumens % Lamp	
Downward Street Side:	1,664.2 50.4%
Downward House Side:	1,665.7 50.4%
Downward Total:	3,330.0 100.8%
Total Lumens:	3,330.0 100.8%

## Flood Summary

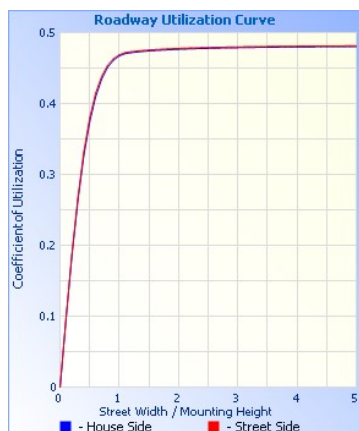
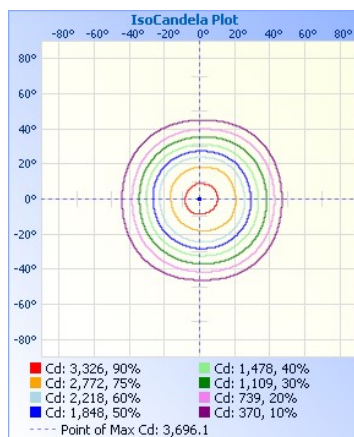
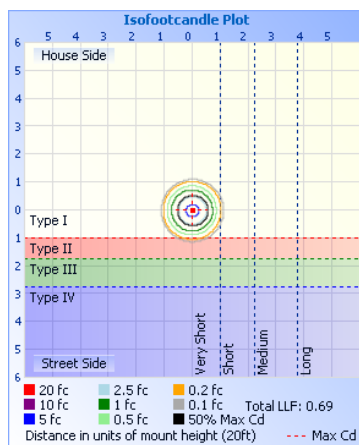
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	94.8%	3,133.4	91.1	91.4
Beam (50%):	58.9%	1,945.5	55.7	55.7
Total:	100.7%	3,328.1		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,128.5	64.4%
0-40	2,873.3	87%
0-60	3,232.9	97.8%
60-90	71.3	2.2%
0-90	3,304.2	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	323.6	9.8%
10-20	830.6	25.1%
20-30	974.3	29.5%
30-40	744.8	22.5%
40-50	316.8	9.6%
50-60	42.9	1.3%
60-70	32.0	1.0%
70-80	25.9	0.8%
80-90	13.3	0.4%



Illuminance at a Distance			
Center Beam fc	Beam Width		
5.0 ft	148 fc	5.3 ft	5.3 ft
10.0 ft	37.0 fc	10.6 ft	10.6 ft
15.0 ft	16.4 fc	15.8 ft	15.8 ft
20.0 ft	9.24 fc	21.1 ft	21.1 ft
25.0 ft	5.91 fc	26.4 ft	26.4 ft
30.0 ft	4.11 fc	31.7 ft	31.7 ft
Vert. Spread: 55.7°			
Horiz. Spread: 55.7°			

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>				<b>70</b>				<b>50</b>				<b>30</b>				<b>10</b>				<b>0</b>
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>50</u>	<u>30</u>	<u>20</u>		<u>50</u>	<u>30</u>	<u>20</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		1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	.93	1.04	1.02	1.00		1.00	.98	.97		.97	.95	.94		.92
2	1.07	1.02	.97	.94	1.05	1.00	.96	.86	.97	.93	.91		.94	.91	.89		.91	.89	.87		.85
3	1.01	.94	.89	.85	.99	.93	.88	.80	.90	.86	.83		.88	.84	.81		.86	.83	.80		.79
4	.96	.88	.82	.77	.94	.87	.81	.74	.84	.80	.76		.82	.78	.75		.80	.77	.74		.73
5	.91	.82	.76	.71	.89	.81	.75	.69	.79	.74	.70		.77	.73	.69		.76	.72	.69		.67
6	.86	.76	.70	.66	.84	.76	.70	.64	.74	.69	.65		.73	.68	.64		.71	.67	.64		.62
7	.81	.72	.65	.61	.80	.71	.65	.59	.70	.64	.60		.68	.64	.60		.67	.63	.60		.58
8	.77	.67	.61	.57	.76	.67	.61	.56	.65	.60	.56		.64	.60	.56		.63	.59	.56		.54
9	.73	.63	.57	.53	.72	.63	.57	.52	.62	.56	.53		.61	.56	.52		.60	.55	.52		.51
10	.70	.60	.54	.50	.69	.59	.53	.49	.58	.53	.49		.58	.53	.49		.57	.52	.49		.48

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	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	3696	
10	3310	3304	3301	3284	3273	3269	3259	3264	3262	3268	3272	3278	3276	3270	3266	3260	3260	3252	3248	3245	3249	3259	3271	3285	3301	3312	3322	3323	3329	3334	3343	3338	3332	3322	3310	3298	3310		
20	2689	2676	2657	2635	2632	2635	2632	2615	2567	2538	2516	2511	2513	2528	2541	2552	2566	2598	2622	2657	2679	2703	2736	2777	2806	2809	2809	2801	2794	2808	2817	2818	2798	2770	2727	2697	2689		
30	1620	1606	1598	1602	1607	1597	1580	1576	1561	1538	1521	1531	1554	1569	1576	1575	1598	1627	1633	1645	1676	1687	1683	1700	1722	1738	1732	1714	1709	1705	1701	1701	1693	1672	1649	1626	1620		
40	752	727	702	681	666	648	637	634	637	636	636	659	683	706	731	752	775	796	814	838	865	885	898	915	930	938	941	942	939	922	912	900	881	854	820	778	752		
50	59	58	57	56	56	55	54	54	54	54	55	55	55	56	57	58	59	60	61	61	62	63	64	65	65	65	67	68	67	67	67	64	63	62	61	59	59		
60	36	35	34	34	34	34	34	34	33	34	34	34	34	34	35	35	36	36	37	37	38	38	38	39	39	39	39	39	39	39	38	38	37	37	36	36	36		
70	28	27	27	27	27	26	26	26	26	26	26	27	27	27	28	28	28	29	29	29	30	30	30	31	31	31	31	31	31	30	30	30	29	29	28	28	28		
80	19	19	19	19	19	19	19	19	19	19	20	20	20	20	21	21	22	22	22	22	23	23	23	22	22	22	22	22	22	21	21	21	20	20	20	20	20	19	
90	3	3	4	4	4	5	5	5	5	5	5	6	6	6	6	6	5	5	5	5	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] BONGO 4 V13 697mA 26W  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/9/2024  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D4-BONG4-2630A-6C-WS-0  
[LUMINAIRE] D4-BONG4-2630A-6C-WS-0  
[LAMP] WHITE 3K 80 60 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.