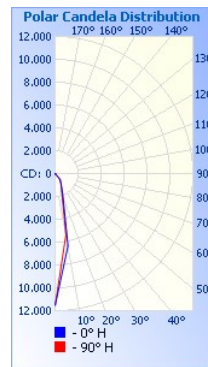


ZANIBONI® LIGHTING

Filename: D4-BONG4-2630A-2C-WS-0
Manufacturer: Zaniboni Lighting
Luminaire: D4-BONG4-2630A-2C-WS-0
Luminaire Cat: D4-BONG4-2630A-2C-WS-0
Lamp: WHITE 3K 80 24 DEG CLEAR
Lamp Output: Total luminaire Lumens: 3379
Max Candela: 11,518.0 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: 4 X 4



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE I, VERY SHORT
Max Cd, 90 Deg Vert: 5.8
Max Cd, 80 to <90 Deg: 18.5
Lumens % Lamp
Downward Street Side: 1,741.8 51.5%
Downward House Side: 1,726.5 51.1%
Downward Total: 3,468.3 102.6%
Total Lumens: 3,468.3 102.6%

Flood Summary

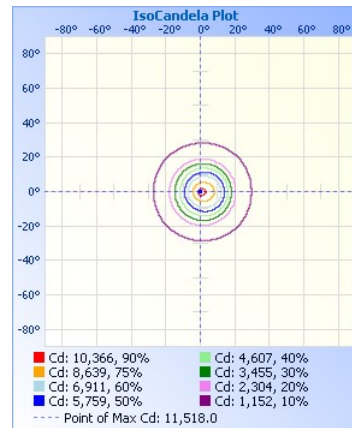
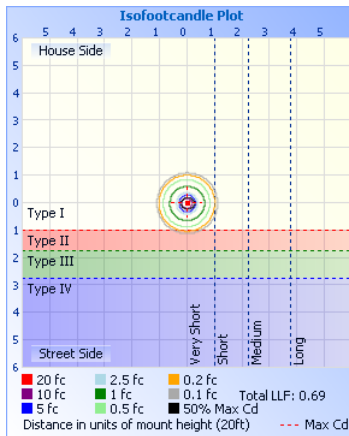
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	72.3%	2,443.9	56.6	56.8
Beam (50%):	28.1%	950.9	23.1	22.4
Total:	102.5%	3,464.5		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,462.9	72.9%
0-40	2,995.7	88.7%
0-60	3,316.3	98.1%
60-90	62.7	1.9%
0-90	3,379.0	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	736.8	21.8%
10-20	1,075.0	31.8%
20-30	651.0	19.3%
30-40	532.9	15.8%
40-50	281.1	8.3%
50-60	39.5	1.2%
60-70	29.6	0.9%
70-80	21.7	0.6%
80-90	11.3	0.3%



Illuminance at a Distance			
Center Beam fc	Beam Width		
5.0R	461 fc	2.0 ft	2.0 ft
10.0R	115 fc	4.0 ft	4.1 ft
15.0R	51.2 fc	5.9 ft	6.1 ft
20.0R	28.8 fc	7.9 ft	8.2 ft
25.0R	18.4 fc	9.9 ft	10.2 ft
30.0R	12.8 fc	11.9 ft	12.2 ft

■ Vert. Spread: 22.4°
 ■ Horiz. Spread: 23.1°

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	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00
1	1.14	1.11	1.09	1.06	1.11	1.09	1.07	.94	1.05	1.03	1.01	1.01	1.01	1.00	.98	.98	.97	.96	.94	.94	.94
2	1.08	1.04	1.00	.97	1.06	1.02	.99	.89	.99	.96	.93	.96	.94	.91	.93	.91	.90	.88	.88	.88	.88
3	1.03	.97	.93	.89	1.01	.96	.92	.84	.93	.90	.87	.91	.88	.85	.89	.86	.84	.83	.83	.83	.83
4	.99	.92	.87	.83	.97	.91	.86	.79	.88	.84	.81	.87	.83	.80	.85	.82	.79	.78	.78	.78	.78
5	.94	.87	.81	.77	.93	.86	.81	.75	.84	.80	.76	.82	.79	.76	.81	.78	.75	.73	.73	.73	.73
6	.90	.82	.77	.73	.89	.81	.76	.71	.80	.75	.72	.79	.75	.71	.77	.74	.71	.70	.70	.70	.70
7	.87	.78	.73	.69	.85	.77	.72	.67	.76	.72	.68	.75	.71	.68	.74	.70	.67	.66	.66	.66	.66
8	.83	.74	.69	.65	.82	.74	.69	.64	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63	.63	.63	.63
9	.80	.71	.66	.62	.79	.71	.65	.61	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60	.60	.60	.60
10	.77	.68	.63	.59	.76	.68	.63	.59	.67	.62	.59	.66	.62	.59	.65	.62	.59	.58	.58	.58	.58

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	3
0	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11518	11
10	6410	6219	6045	5889	5748	5637	5546	5479	5444	5416	5402	5405	5436	5497	5587	5701	5832	5987	6164	6360	6581	6810	7043	7275	7485	7659	7774	7840	7850	7790	7669	7
20	1921	1871	1821	1777	1741	1711	1683	1665	1654	1643	1640	1640	1649	1665	1694	1731	1769	1815	1864	1910	1947	1982	2020	2055	2083	2102	2119	2120	2117	2115	2104	2
30	1028	1016	1008	1002	1000	997	993	992	991	989	981	978	981	983	977	976	980	985	989	995	1000	1009	1015	1022	1033	1045	1053	1059	1063	1067	1065	1
40	692	661	633	607	584	568	556	550	553	558	562	565	587	608	628	651	679	707	734	755	774	792	805	815	826	832	836	841	838	830	820	
50	50	50	50	49	50	50	49	49	48	50	50	51	52	51	52	53	53	55	54	55	56	56	55	57	57	56	56	57	55	55	55	
60	34	33	33	33	33	33	33	33	33	33	34	34	35	36	36	36	37	37	37	38	38	38	38	39	39	39	38	38	38	38	38	
70	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	25	25	25	25	25	26	26	26	26	26	26	25	25	25	25	24	24
80	16	16	16	16	16	16	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	16	16	16
90	3	3	4	4	4	5	5	5	5	5	6	6	6	6	6	6	5	5	5	5	4	4	4	3	3	3	2	2	2	2	2	

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-2C-WS-0
[LUMINAIRE] D4-BONG4-2630A-2C-WS-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.