

# ZANIBONI® LIGHTING

**Filename: S3-BON3M-1830C-3S-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: S3-BON3M-1830C-3S-WS-Z-0

Luminaire Cat: S3-BON3M-1830C-3S-WS-Z-0

Lamp: WHITE 3K 90 CRI 36 DEGREE SOLITE FILM

Lamp Output: Total luminaire Lumens: 2093.6

Max Candela: 5,636.3 at Horizontal: 0°, Vertical: 0°

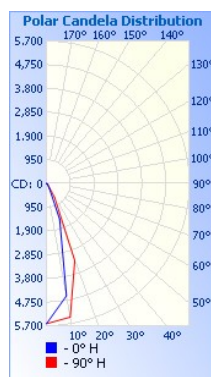
Luminous Opening: Circular (Dia: 2.76")

Test: BONGO 3M V13 515mA 33.61V

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:	4.4
Max Cd, 80 to <90 Deg:	3.7
Lumens % Lamp	
Downward Street Side:	1,001.8 47.9%
Downward House Side:	1,134.9 54.2%
Downward Total:	2,136.7 102.1%
Total Lumens:	2,136.7 102.1%

## Flood Summary

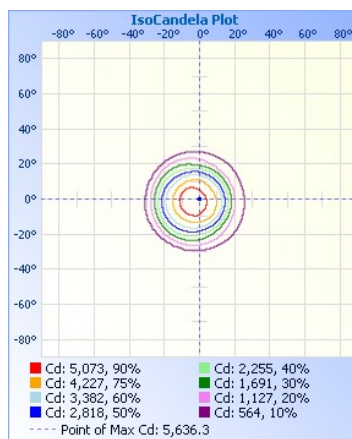
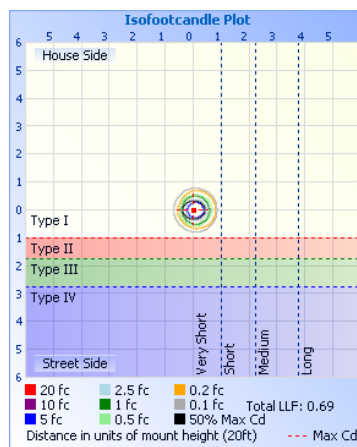
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	89.2%	1,868.4	56.6	56.3
Beam (50%):	57.4%	1,201.9	35.9	33.5
Total:	102%	2,134.5		

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,866.2	89.1%
0-40	1,994.3	95.3%
0-60	2,071.3	98.9%
60-90	22.2	1.1%
0-90	2,093.6	100%

## Lumens Per Zone

Zone	Lumens	% Total
0-10	474.8	22.7%
10-20	890.3	42.5%
20-30	501.1	23.9%
30-40	128.1	6.1%
40-50	48.2	2.3%
50-60	28.9	1.4%
60-70	15.3	0.7%
70-80	5.2	0.2%
80-90	1.7	0.1%



	Center Beam fc	Beam Width
5.0ft	225 fc	3.0 ft 3.2 ft
10.0ft	56.4 fc	6.0 ft 6.5 ft
15.0ft	25.1 fc	9.0 ft 9.7 ft
20.0ft	14.1 fc	12.0 ft 13.0 ft
25.0ft	9.02 fc	15.0 ft 16.2 ft
30.0ft	6.26 fc	18.0 ft 19.5 ft

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>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			1.00
1	1.14	1.12	1.10	1.08	1.12	1.10	1.08	.96	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97				.95
2	1.10	1.06	1.02	.99	1.08	1.04	1.01	.91	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.91			
3	1.05	1.00	.96	.93	1.04	.99	.95	.87	.96	.93	.90	.94	.91	.89	.92	.89	.88	.86			
4	1.01	.95	.90	.87	1.00	.94	.90	.83	.92	.88	.85	.90	.87	.85	.88	.86	.84	.82			
5	.98	.91	.86	.82	.96	.90	.85	.80	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79			
6	.94	.87	.82	.78	.93	.86	.81	.76	.85	.81	.77	.83	.80	.77	.82	.79	.77	.75			
7	.91	.83	.78	.75	.89	.82	.78	.73	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72			
8	.87	.80	.75	.71	.86	.79	.75	.70	.78	.74	.71	.77	.74	.71	.76	.73	.71	.69			
9	.84	.77	.72	.69	.84	.76	.72	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.67			
10	.82	.74	.69	.66	.81	.73	.69	.65	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64			

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	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636	5636
10	4585	4705	4829	4945	5054	5158	5256	5341	5409	5454	5474	5454	5410	5350	5284	5214	5140	5055	4952	4845	4739	4635	4534	4439	4344	4250	4175	4114	4063	4037	4029	4045	4086	4148	4231	4333	4585
20	1532	1706	1908	2119	2346	2579	2808	3020	3188	3299	3340	3315	3247	3134	2981	2808	2612	2398	2171	1953	1746	1560	1400	1276	1177	1094	1028	983	954	944	953	987	1038	1116	1219	1343	1532
30	233	258	289	326	372	426	493	559	612	642	652	643	615	579	539	490	440	391	345	302	263	231	207	190	179	172	167	164	165	165	165	168	172	180	191	206	233
40	72	76	80	85	90	96	101	107	112	117	123	125	124	121	116	109	102	95	89	83	77	72	68	65	63	62	61	61	61	61	61	62	63	65	67	72	
50	40	41	41	42	43	44	45	46	46	47	49	49	49	49	48	46	44	43	42	41	40	39	39	38	37	37	37	36	36	36	36	37	37	38	38	40	
60	22	24	25	27	28	29	29	30	30	31	31	31	31	30	30	29	28	27	25	24	22	21	19	18	17	16	16	16	16	16	16	17	17	18	19	20	22
70	7	7	8	8	9	10	10	11	11	11	12	12	11	11	11	10	9	9	8	7	7	6	6	6	5	5	5	5	5	5	5	5	6	6	6	7	
80	2	2	2	2	3	3	3	3	3	4	4	4	4	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
90	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	4	4	3	3	3	2	1	1	0	0	0	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] BONGO 3M V13 515mA 33.61V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 5/8/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] S3-BON3M-1830C-3S-WS-Z-0  
[LUMINAIRE] S3-BON3M-1830C-3S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 36 DEGREE SOLITE FILM

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.