

**Filename: S3-BON3M-1830C-1S-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: S3-BON3M-1830C-1S-WS-Z-0

Luminaire Cat: S3-BON3M-1830C-1S-WS-Z-0

Lamp: WHITE 3K 90 CRI 15 DEGREE+ SOLITE FILM

Lamp Output: Total luminaire Lumens: 1882.3

Max Candela: 12,209.0 at Horizontal: 0°, Vertical: 0°

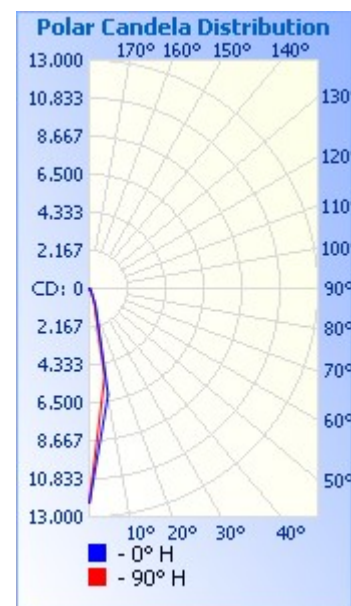
Luminous Opening: Circular (Dia: 2.76")

Test: BONGO 3M V13 515mA 33.61V

Test Lab: Zaniboni Light

Photometry : Type C

Nema Type: 3 X 3

**Roadway Summary**

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	1.3
Max Cd, 80 to <90 Deg:	3.1
Lumens % Lamp	
Downward Street Side:	1,058.3 56.2%
Downward House Side:	920.9 48.9%
Downward Total:	1,979.2 105.1%
Total Lumens:	1,979.2 105.1%

**Zonal Lumen Summary**

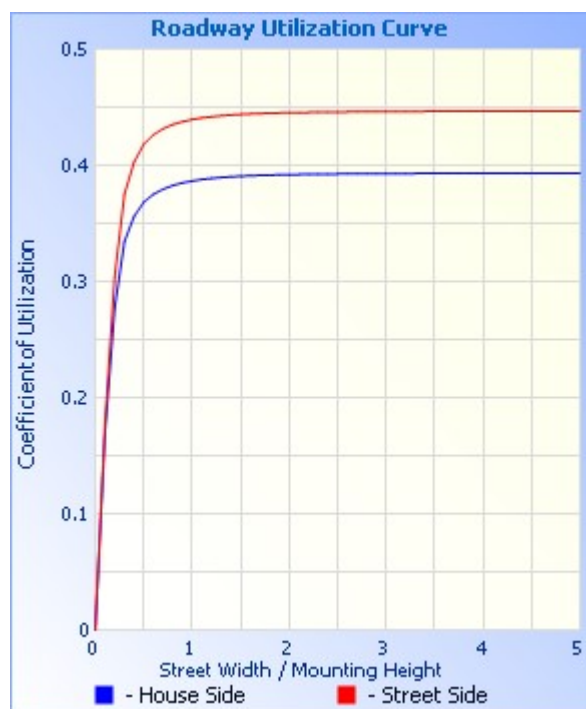
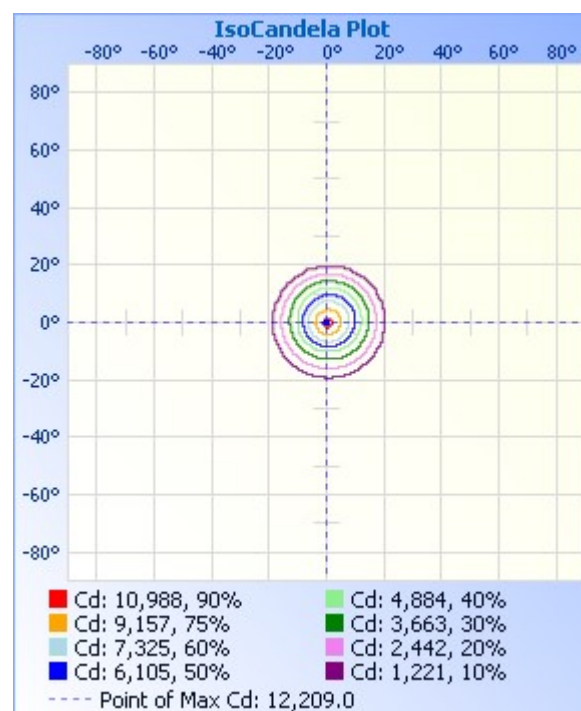
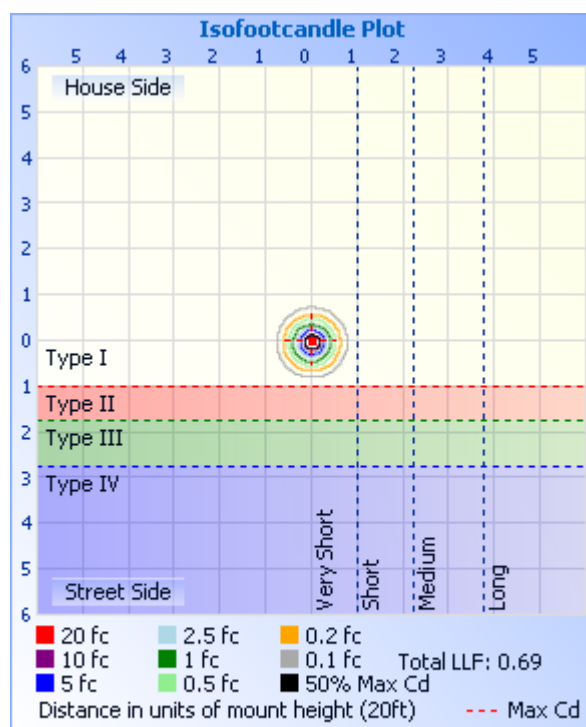
Zone	Lumens	% Luminaire
0-30	1,698.5	90.2%
0-40	1,789.3	95.1%
0-60	1,862.9	99%
60-90	19.5	1%
0-90	1,882.3	100%

**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	80.5%	1,515.1	38.5	38.4
Beam (50%):	33.2%	625.7	17.9	18.1
Total:	105%	1,975.6		

**Lumens Per Zone**

Zone	Lumens	% Total
0-10	675.8	35.9%
10-20	782.7	41.6%
20-30	240.0	12.8%
30-40	90.8	4.8%
40-50	47.4	2.5%
50-60	26.2	1.4%
60-70	12.7	0.7%
70-80	5.0	0.3%
80-90	1.7	0.1%



### 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>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	1.15	1.13	1.11	1.09	1.12	1.10	1.09	.96	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96			
2	1.11	1.07	1.04	1.01	1.09	1.05	1.02	.93	1.02	1.00	.98	.99	.97	.96	.97	.95	.94	.92			
3	1.07	1.02	.98	.95	1.05	1.01	.97	.90	.98	.95	.93	.96	.94	.92	.94	.92	.90	.89			

4	1.03	.98	.94	.90	1.02	.97	.93	.86	.95	.91	.89	.93	.90	.88	.91	.89	.87	.86
5	1.00	.94	.90	.86	.99	.93	.89	.84	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
6	.97	.91	.86	.83	.96	.90	.86	.81	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
7	.94	.88	.83	.80	.93	.87	.83	.79	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78
8	.92	.85	.80	.78	.91	.84	.80	.76	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76
9	.89	.82	.78	.75	.88	.82	.78	.74	.81	.77	.75	.80	.77	.75	.80	.77	.74	.73
10	.87	.80	.76	.73	.86	.80	.76	.72	.79	.75	.73	.78	.75	.73	.78	.75	.72	.72

**Candela Table - Type C**

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	12209	12209	12209	12209	12209	12209	12209	12209	12209	12209	12209	12209	12209
10	6133	5753	5357	5027	4749	4589	4614	4841	5249	5731	6112	6227	6133
20	1041	927	834	787	746	710	725	788	884	1007	1105	1090	1041
30	236	223	209	201	194	184	184	194	209	232	246	244	236
40	91	88	83	81	79	77	76	78	82	88	93	92	91
50	42	41	41	40	39	38	38	38	39	41	42	42	42
60	20	20	20	20	19	19	18	18	18	18	19	19	20
70	7	8	8	8	8	7	7	6	6	6	6	7	7
80	3	3	3	3	3	3	2	2	2	2	2	2	3
90	0	0	1	0	1	0	0	1	1	1	1	1	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] BONGO 3M V13 515mA 33.61V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 3/31/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] S3-BON3M-1830C-1S-WS-Z-0  
[LUMINAIRE] S3-BON3M-1830C-1S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 15 DEGREE+ SOLITE FILM

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 13  
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.