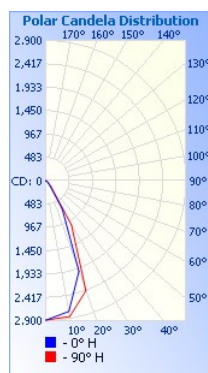


ZANIBONI® LIGHTING

Filename: S3-BON3M-1830C-5S-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: S3-BON3M-1830C-5S-WS-Z-0
Luminaire Cat: S3-BON3M-1830C-5S-WS-Z-0
Lamp: WHITE 3K 90 CRI 50 DEGREE SOLITE FILM
Lamp Output: Total luminaire Lumens: 1945.3
Max Candela: 2,898.9 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: 5 X 5



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE I, VERY SHORT
Max Cd, 90 Deg Vert: 1.6
Max Cd, 80 to <90 Deg: 3.0
Lumens % Lamp
Downward Street Side: 969.4 49.8%
Downward House Side: 997.0 51.3%
Downward Total: 1,966.4 101.1%
Total Lumens: 1,966.4 101.1%

Flood Summary

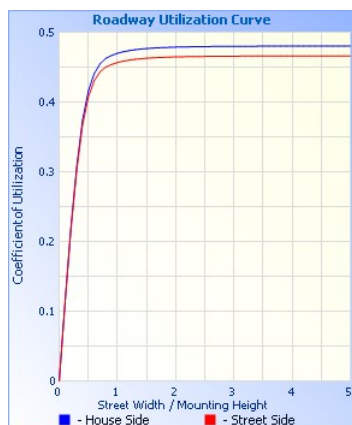
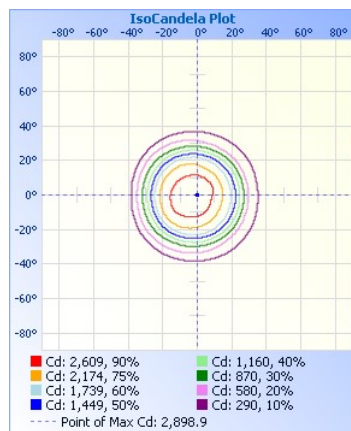
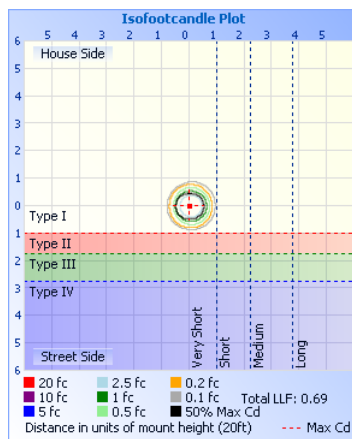
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	91.6%	1,782.7	73.5	74.9
Beam (50%):	65.1%	1,266.3	49	48.9
Total:	101%	1,965.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,540.3	79.2%
0-40	1,806.5	92.9%
0-60	1,921.1	98.8%
60-90	24.2	1.2%
0-90	1,945.3	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	264.3	13.6%
10-20	659.8	33.9%
20-30	616.2	31.7%
30-40	266.2	13.7%
40-50	76.6	3.9%
50-60	38.0	2.0%
60-70	17.2	0.9%
70-80	5.5	0.3%
80-90	1.5	0.1%



Illuminance at a Distance			
Center Beam fc	Beam Width		
5.0R	116 fc	4.5 ft	4.6 ft
10.0R	29.0 fc	9.1 ft	9.1 ft
15.0R	12.9 fc	13.6 ft	13.7 ft
20.0R	7.25 fc	18.2 ft	18.2 ft
25.0R	4.64 fc	22.7 ft	22.8 ft
30.0R	3.22 fc	27.3 ft	27.3 ft

■ Vert. Spread: 48.9°
■ Horiz. Spread: 49.0°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCC: 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	1.14	1.11	1.09	1.06	1.11	1.09	1.07	.94	1.05	1.03	1.02		1.01	1.00	.99		.98	.97	.96		.94
2	1.08	1.04	1.00	.97	1.06	1.02	.98	.89	.99	.96	.93		.96	.93	.91		.93	.91	.90		.88
3	1.03	.97	.92	.89	1.01	.96	.91	.83	.93	.90	.87		.91	.88	.85		.89	.86	.84		.82
4	.98	.91	.86	.82	.97	.90	.85	.78	.88	.84	.81		.86	.83	.80		.84	.81	.79		.77
5	.94	.86	.81	.76	.92	.85	.80	.74	.83	.79	.75		.82	.78	.75		.80	.77	.74		.73
6	.90	.81	.76	.72	.88	.80	.75	.70	.79	.74	.71		.78	.74	.70		.76	.73	.70		.69
7	.86	.77	.71	.67	.84	.76	.71	.66	.75	.70	.67		.74	.70	.66		.73	.69	.66		.65
8	.82	.73	.67	.64	.81	.72	.67	.62	.71	.67	.63		.70	.66	.63		.69	.66	.63		.61
9	.78	.69	.64	.60	.77	.69	.64	.59	.68	.63	.60		.67	.63	.60		.66	.62	.59		.58
10	.75	.66	.61	.57	.74	.66	.60	.56	.65	.60	.57		.64	.60	.57		.63	.59	.56		.55

Candela Table - Type C

[illegible]

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-5S-WS-Z-0
[LUMINAIRE] S3-BON3M-1830C-5S-WS-Z-0
[LAMP] WHITE 3K 90 CRI 50 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.