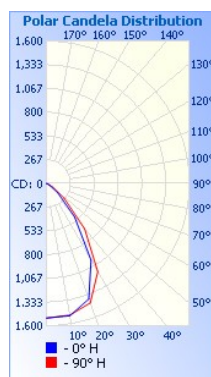


ZANIBONI® LIGHTING

Filename: S3-BON3M-1830C-7C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: S3-BON3M-1830C-7C-WS-Z-0
Luminaire Cat: S3-BON3M-1830C-7C-WS-Z-0
Lamp: WHITE 3K 90 CRI 70 DEGREE
Lamp Output: Total luminaire Lumens: 1944.8
Max Candela: 1,518.3 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: 6 X 6



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	2.9
Max Cd, 80 to <90 Deg:	5.7
Lumens % Lamp	
Downward Street Side:	976.0 50.2%
Downward House Side:	978.6 50.3%
Downward Total:	1,954.6 100.5%
Total Lumens:	1,954.6 100.5%

Flood Summary

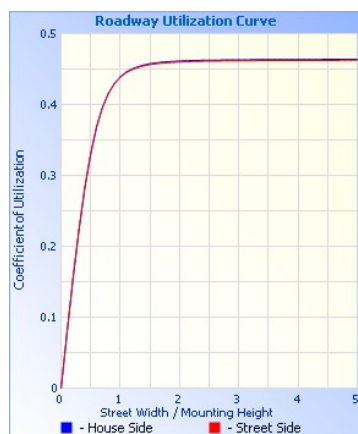
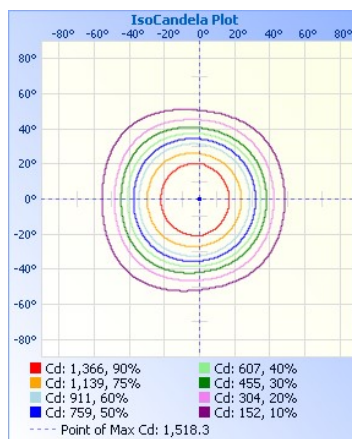
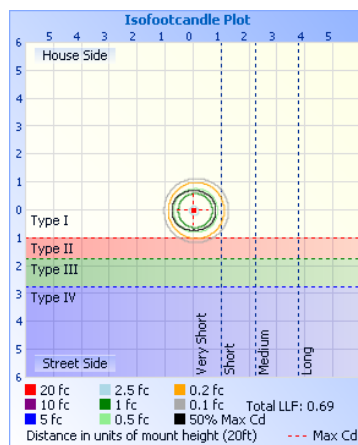
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95%	1,846.8	104.1	102.4
Beam (50%):	69.6%	1,353.0	69.5	69.5
Total:	100.5%	1,953.7		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,089.3	56%
0-40	1,550.4	79.7%
0-60	1,906.1	98%
60-90	38.7	2%
0-90	1,944.8	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	143.9	7.4%
10-20	404.9	20.8%
20-30	540.5	27.8%
30-40	461.1	23.7%
40-50	257.1	13.2%
50-60	98.5	5.1%
60-70	28.5	1.5%
70-80	7.6	0.4%
80-90	2.6	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0ft	60.7 fc	6.9 ft
10.0ft	15.2 fc	13.9 ft
15.0ft	6.75 fc	20.8 ft
20.0ft	3.80 fc	27.8 ft
25.0ft	2.43 fc	34.7 ft
30.0ft	1.69 fc	41.7 ft

Vert. Spread: 69.5°
 Horiz. Spread: 69.5°

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	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.04	1.10	1.07	1.05	.92	1.03	1.01	.99	1.00	.98	.96	.96	.95	.94	.94	.92	.92	.92
2	1.06	1.01	.96	.92	1.04	.99	.95	.84	.95	.92	.89	.92	.90	.87	.90	.87	.85	.85	.83	.83	.83
3	1.00	.92	.87	.82	.98	.91	.86	.77	.88	.84	.80	.86	.82	.79	.83	.80	.78	.76	.76	.76	.76
4	.94	.85	.79	.74	.92	.84	.78	.70	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69	.69	.69	.69
5	.88	.79	.72	.67	.86	.78	.71	.65	.76	.70	.66	.74	.69	.66	.72	.68	.65	.63	.63	.63	.63
6	.83	.73	.66	.61	.81	.72	.66	.59	.70	.65	.61	.69	.64	.60	.68	.63	.60	.58	.58	.58	.58
7	.78	.68	.61	.56	.77	.67	.61	.55	.66	.60	.56	.64	.59	.55	.63	.59	.55	.53	.53	.53	.53
8	.74	.63	.56	.52	.72	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49	.49	.49	.49
9	.70	.59	.52	.48	.69	.58	.52	.47	.57	.52	.48	.56	.51	.47	.56	.51	.47	.46	.46	.46	.46
10	.66	.55	.49	.44	.65	.55	.49	.44	.54	.48	.44	.53	.48	.44	.52	.47	.44	.43	.43	.43	.43

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	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	
10	1515	1516	1517	1516	1515	1513	1512	1510	1509	1507	1506	1505	1505	1504	1504	1504	1503	1502	1502	1501	1500	1499	1498	1497	1497	1496	1496	1495	1496	1496	1498	1499	1501	1503	1506	1508	1515	
20	1387	1401	1413	1422	1428	1433	1434	1435	1435	1435	1433	1430	1426	1421	1415	1407	1398	1387	1378	1366	1354	1341	1330	1319	1311	1305	1302	1300	1301	1305	1311	1318	1327	1339	1353	1368	1387	
30	999	1029	1057	1083	1106	1124	1137	1145	1149	1150	1150	1146	1136	1123	1106	1085	1061	1034	1006	977	947	918	892	869	851	838	832	830	834	841	852	868	887	910	937	966	999	
40	487	515	545	575	604	628	648	660	664	665	665	662	653	637	616	589	558	527	497	469	443	420	399	381	366	357	350	349	352	358	367	379	393	412	435	460	487	
50	165	177	191	206	221	235	246	253	256	257	257	255	250	242	230	216	200	184	169	156	145	135	126	119	113	110	107	107	108	110	114	119	125	133	142	153	165	
60	41	48	55	62	67	72	76	78	80	80	79	78	77	74	70	64	56	48	42	36	32	29	27	25	24	23	23	22	22	23	24	26	27	30	33	37	41	
70	10	11	12	13	13	14	15	16	16	16	16	16	15	14	13	13	11	10	10	9	8	8	7	7	7	7	6	6	7	7	7	7	8	8	9	9	10	
80	4	4	4	5	5	5	5	6	6	6	6	6	5	5	5	5	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	
90	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	2	1	0	0	0	0	1	3	3	3	2	3	1	1	0	0	0

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] BONGO 3M V13 515mA 33.61V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/28/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] S3-BON3M-1830C-7C-WS-Z-0
[LUMINAIRE] S3-BON3M-1830C-7C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 70 DEGREE

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.