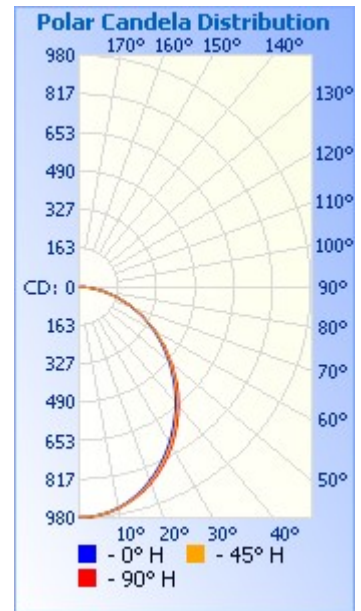


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** RIGA MT 1408mm Opal 3000K 90CRI  
**Manufacturer:** Zaniboni lighting  
**Luminaire:** RIGA MT 1408mm Opal 3000K 90CRI  
**Luminaire Cat:** RIGA MT 1408mm Opal 3000K 90CRI  
**Lamp:** LED  
**Lamp Cat:** LED  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 2514  
**Max Candela:** 973.5 at Horizontal: 0°, Vertical: 0°  
**Input Wattage:** 29.8  
**Luminous Opening:** Rectangle w/Luminous Sides (L: 0.79", W: 55.12", H: 0.04")  
**Test:** RIGA MT 1408mm Opal 3000K 90CRI  
**Test Date:** 06 May 2020  
**Test Lab:** Zaniboni Lighting  
**FLASHAREA:** 0.008132  
**Photometry :** Type C  
**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	10.0
Max Cd, 80 to <90 Deg:	100.3
Lumens % Lamp	
Downward Street Side:	1,256.4 50%
Downward House Side:	1,256.4 50%
Downward Total:	2,512.9 100%
Total Lumens:	2,512.9 100%

### Zonal Lumen Summary

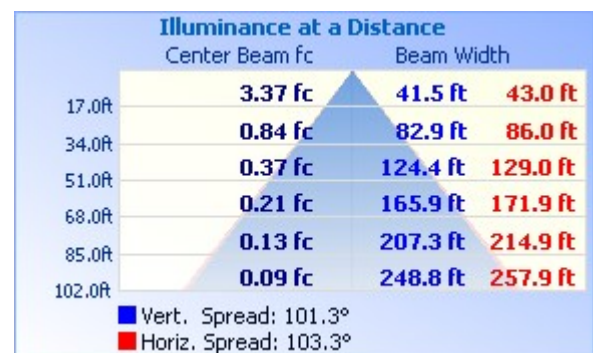
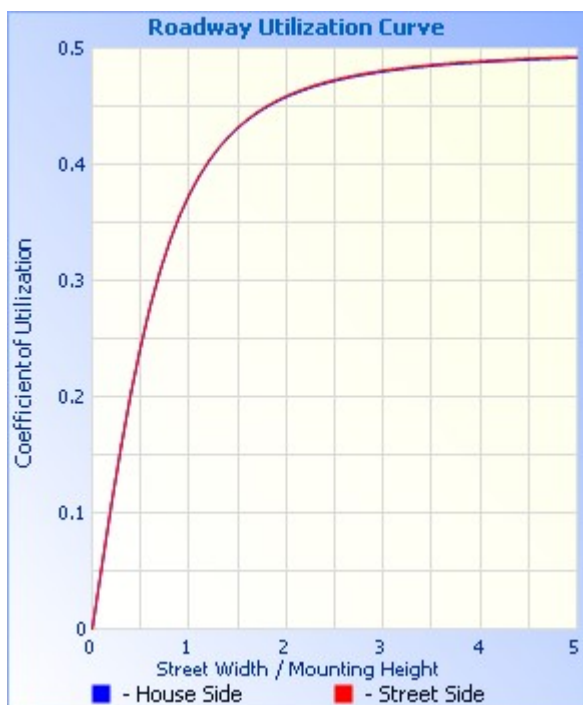
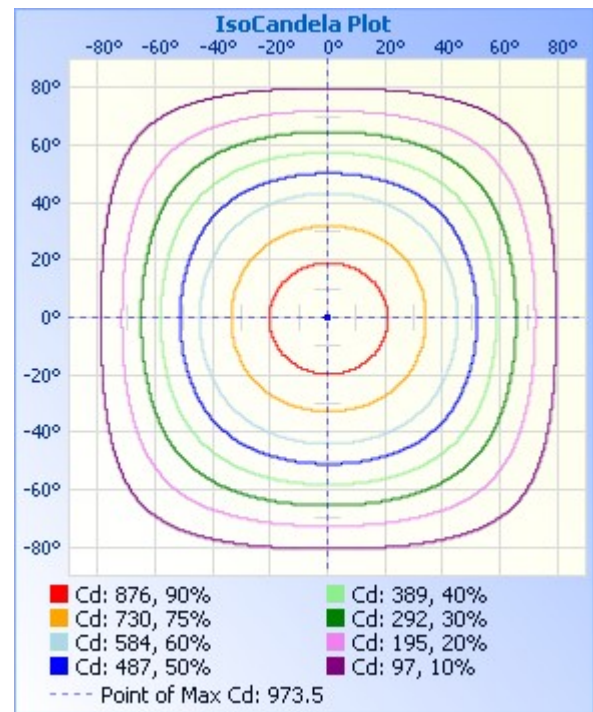
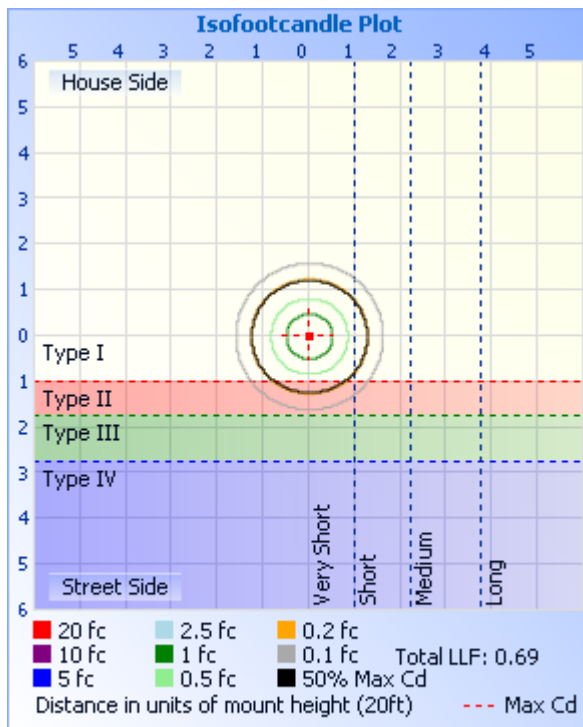
Zone	Lumens	% Lamp	% Luminaire
0-30	729.9	29%	29.1%
0-40	1,171.4	46.6%	46.6%
0-60	2,001.7	79.6%	79.7%
60-90	510.5	20.3%	20.3%
0-90	2,512.1	99.9%	100%

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	2,460.5	158.5	160.6
Beam (50%):	66.2%	1,665.0	103.3	101.3
Total:	99.9%	2,511.7		

### Lumens Per Zone

Zone	Lumens	% Total
0-10	91.7	3.6%
10-20	258.3	10.3%
20-30	379.9	15.1%
30-40	441.6	17.6%
40-50	442.1	17.6%
50-60	388.2	15.5%
60-70	291.9	11.6%
70-80	168.2	6.7%
80-90	50.4	2.0%



#### 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	50	30	20	10
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	1.00	1.00	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.97	.94	.91	.89	.94	.91	.89	.90	.88	.86	.86	.86	.84	.84	.84	.84
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.74	.82	.78	.74	.79	.76	.72	.72	.72	.70	.70	.70	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.63	.73	.67	.63	.70	.65	.62	.62	.62	.59	.59	.59	.59
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.55	.54	.65	.59	.54	.63	.57	.53	.53	.53	.51	.51	.51	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.47	.58	.52	.47	.57	.51	.46	.46	.46	.44	.44	.44	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.42	.42	.53	.46	.41	.51	.45	.41	.41	.41	.39	.39	.39	.39
7	.66	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.37	.48	.42	.37	.47	.41	.36	.36	.36	.34	.34	.34	.34

8	.61	.48	.39	.33	.59	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9	.57	.44	.36	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10	.54	.40	.33	.27	.52	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25

**Candela Table - Type C**

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974
2.5	972	972	972	972	972	972	972	972	972	972	972	972	971	972	972	972	972	972	973
5	967	966	967	967	966	967	967	967	968	967	967	967	967	967	968	967	967	968	967
7.5	958	958	958	958	958	959	959	958	959	959	960	960	960	960	961	961	961	961	961
10	946	946	946	946	947	948	947	948	948	948	949	949	950	949	950	950	950	951	950
12.5	931	931	931	932	932	933	933	933	934	934	935	935	935	935	936	937	936	937	937
15	913	913	913	914	914	915	915	915	916	916	917	919	919	919	919	920	921	921	921
17.5	893	893	893	893	894	895	896	896	897	897	899	900	900	900	901	902	902	903	903
20	869	869	869	871	871	872	873	874	874	875	877	879	879	879	880	881	881	882	882
22.5	844	844	844	846	847	848	849	850	850	851	853	855	856	855	857	859	858	859	859
25	817	818	817	819	819	820	822	823	824	825	827	829	830	830	831	832	832	833	833
27.5	789	788	789	790	791	793	794	795	796	797	800	801	802	803	803	806	806	807	807
30	759	759	760	761	761	763	764	766	767	768	770	772	773	774	774	777	776	778	777
32.5	728	728	728	730	730	732	734	735	736	737	740	743	743	743	743	747	747	748	747
35	696	696	697	698	698	701	702	704	705	706	708	711	711	712	712	715	715	716	716
37.5	664	664	664	666	666	667	669	671	672	673	676	678	680	680	680	683	682	683	683
40	630	631	631	633	633	635	636	639	639	640	643	645	646	647	646	649	649	651	651
42.5	598	598	598	599	600	601	603	605	607	607	610	612	613	613	613	615	616	617	616
45	563	564	565	566	566	568	569	571	572	573	575	578	579	579	579	580	581	582	582
50	496	496	496	498	498	499	501	502	504	504	506	508	510	509	509	510	510	512	510
55	427	428	428	429	430	431	431	432	434	434	436	437	439	439	439	438	439	439	439
60	359	360	360	361	362	362	363	364	364	365	366	367	368	368	368	367	367	368	367
65	292	292	292	293	293	294	294	295	295	295	296	297	297	297	297	296	296	296	295
70	226	226	226	226	226	226	226	226	226	226	226	227	227	226	226	225	225	224	223
75	161	161	161	161	161	161	160	160	159	159	158	158	158	157	156	156	155	154	153
80	100	100	100	100	100	99	99	98	97	96	95	95	94	93	92	91	90	89	88
85	47	47	47	47	46	46	45	44	43	42	41	40	39	38	38	37	36	35	35
90	10	10	10	10	9	9	8	7	7	6	5	4	4	3	2	2	1	1	0

**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] RIGA MT 1408mm Opal 3000K 90CRI  
[TESTLAB] Zaniboni Lighting  
[TESTDATE] 06 May 2020  
[ISSUEDATE] 06 May 2020  
[MANUFAC] Zaniboni lighting  
[LUMCAT] RIGA MT 1408mm Opal 3000K 90CRI  
[LUMINAIRE] RIGA MT 1408mm Opal 3000K 90CRI  
[FLASHAREA] 0.008132  
[LAMPCAT] LED  
[LAMP] LED  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 28, HORIZONTAL ANGLES: 19  
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.