

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** RIGA MT 847mm Opal 3000K 90CRI

**Manufacturer:** Zaniboni lighting

**Luminaire:** RIGA MT 847mm Opal 3000K 90CRI

**Luminaire Cat:** RIGA MT 847mm Opal 3000K 90CRI

**Lamp:** LED

**Lamp Cat:** LED

**Lamp Output:** 1 lamp, rated Lumens/lamp: 1508

**Max Candela:** 584.0 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 17.8

**Luminous Opening:** Rectangle w/Luminous Sides (L: 0.79", W: 33.07", H: 0.04")

**Test:** RIGA MT 847mm Opal 3000K 90CRI

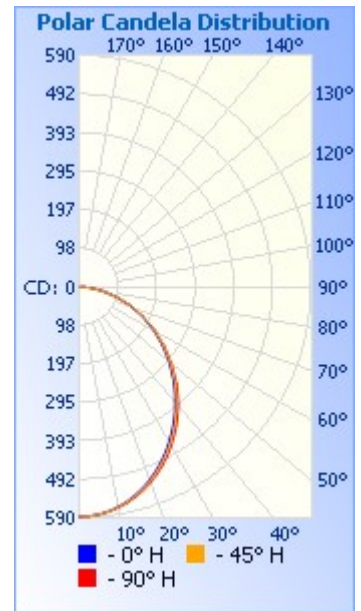
**Test Date:** 06 May 2020

**Test Lab:** Zaniboni Lighting

**FLASHAREA:** 0.004879

**Photometry :** Type C

**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	6.0
Max Cd, 80 to <90 Deg:	60.2
Lumens % Lamp	
Downward Street Side:	753.7 50%
Downward House Side:	753.7 50%
Downward Total:	1,507.3 100%
Total Lumens:	1,507.3 100%

### Zonal Lumen Summary

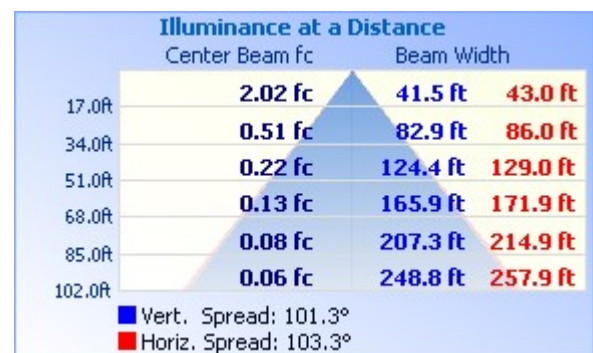
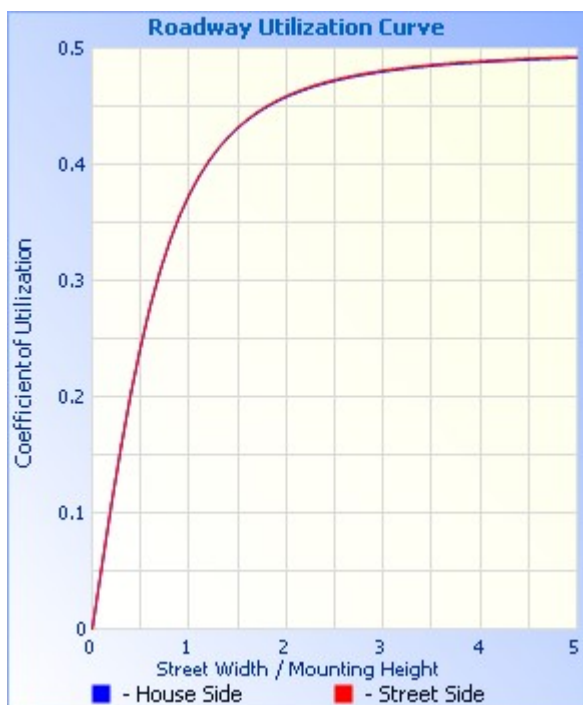
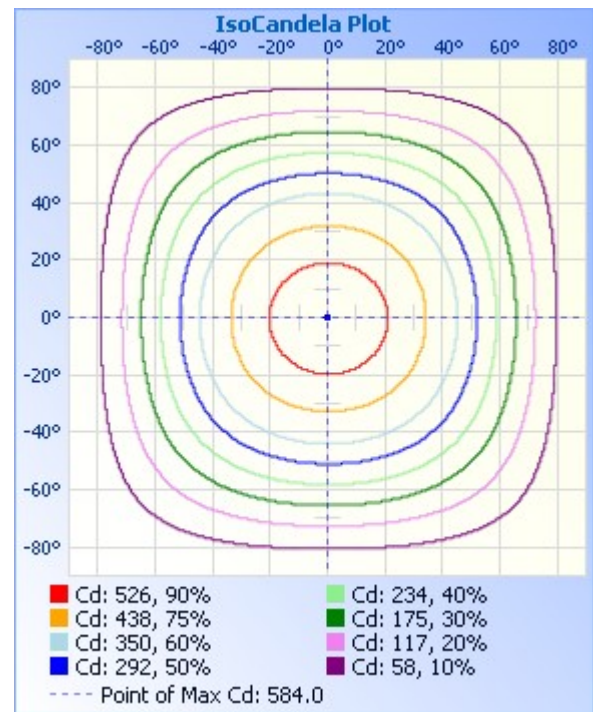
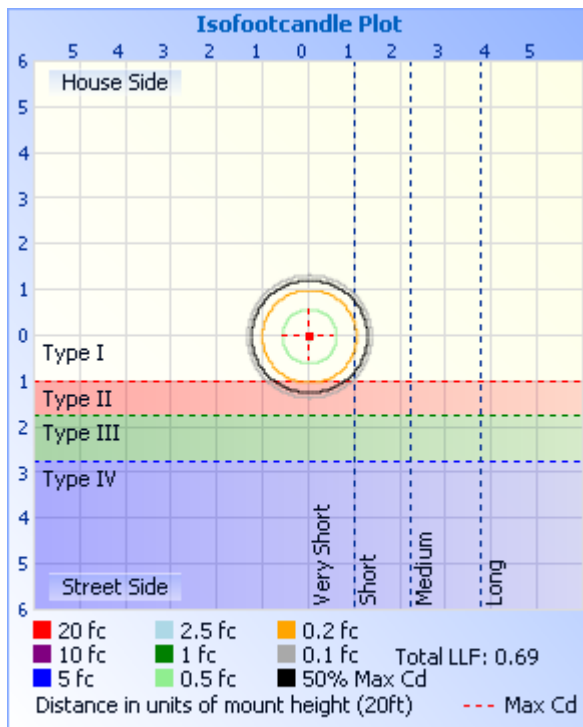
Zone	Lumens	% Lamp	% Luminaire
0-30	437.8	29%	29.1%
0-40	702.7	46.6%	46.6%
0-60	1,200.7	79.6%	79.7%
60-90	306.2	20.3%	20.3%
0-90	1,506.9	99.9%	100%

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	1,475.9	158.5	160.6
Beam (50%):	66.2%	998.7	103.3	101.3
Total:	99.9%	1,506.6		

### Lumens Per Zone

Zone	Lumens	% Total
0-10	55.0	3.6%
10-20	154.9	10.3%
20-30	227.9	15.1%
30-40	264.9	17.6%
40-50	265.2	17.6%
50-60	232.9	15.5%
60-70	175.1	11.6%
70-80	100.9	6.7%
80-90	30.2	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	584	584	584	584	584	584	584	584	584	584	584	584	584	584	584	584	584	584	584
2.5	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583
5	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580
7.5	575	575	575	575	575	575	575	575	575	575	576	576	576	576	576	576	576	577	576
10	567	567	567	568	568	568	568	568	569	569	569	569	570	570	570	570	570	570	570
12.5	559	559	559	559	559	560	560	560	560	560	561	561	561	561	562	562	562	562	562
15	548	548	548	548	548	549	549	549	550	550	550	551	551	551	551	552	552	553	553
17.5	535	535	536	536	536	537	537	538	538	538	539	540	540	540	541	541	541	542	542
20	521	521	521	522	523	523	524	524	524	525	526	527	527	527	528	528	528	529	529
22.5	506	506	506	507	508	509	509	510	510	510	512	513	513	513	514	515	515	515	515
25	490	490	490	491	491	492	493	493	494	495	496	497	498	498	498	499	499	500	500
27.5	473	473	473	474	475	476	476	477	478	478	480	481	481	482	482	483	483	484	484
30	455	455	456	456	457	458	458	459	460	461	462	463	464	464	464	466	466	467	466
32.5	436	437	437	438	438	439	440	441	442	442	444	445	446	446	446	448	448	449	448
35	418	417	418	419	419	420	421	422	423	423	425	426	427	427	427	429	429	430	429
37.5	398	398	398	399	400	400	401	402	403	404	405	407	408	408	408	409	409	410	410
40	378	378	379	379	380	381	382	383	384	384	386	387	388	388	388	389	389	390	390
42.5	358	358	359	359	360	361	362	363	364	364	366	367	368	368	368	369	369	370	370
45	338	338	339	339	340	341	341	342	343	343	345	347	347	347	347	348	348	349	349
50	297	298	298	299	299	300	300	301	302	302	303	305	306	305	306	306	306	307	306
55	256	256	257	257	258	258	259	259	260	260	261	262	263	263	263	263	263	264	263
60	216	216	216	217	217	217	218	218	219	219	220	220	221	221	221	220	220	221	220
65	175	175	175	176	176	176	176	177	177	177	177	178	178	178	178	177	178	177	177
70	135	135	136	136	136	136	136	136	136	136	136	136	136	136	136	135	135	135	134
75	96	96	96	97	96	96	96	96	96	95	95	95	95	94	94	93	93	92	92
80	60	60	60	60	60	60	59	59	58	58	57	57	56	56	55	55	54	53	53
85	28	28	28	28	28	27	27	27	26	25	25	24	24	23	23	22	22	21	21
90	6	6	6	6	5	5	5	4	4	4	3	3	2	2	1	1	1	0	0

**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] RIGA MT 847mm Opal 3000K 90CRI  
[TESTLAB] Zaniboni Lighting  
[TESTDATE] 06 May 2020  
[ISSUEDATE] 06 May 2020  
[MANUFAC] Zaniboni lighting  
[LUMCAT] RIGA MT 847mm Opal 3000K 90CRI  
[LUMINAIRE] RIGA MT 847mm Opal 3000K 90CRI  
[FLASHAREA] 0.004879  
[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.