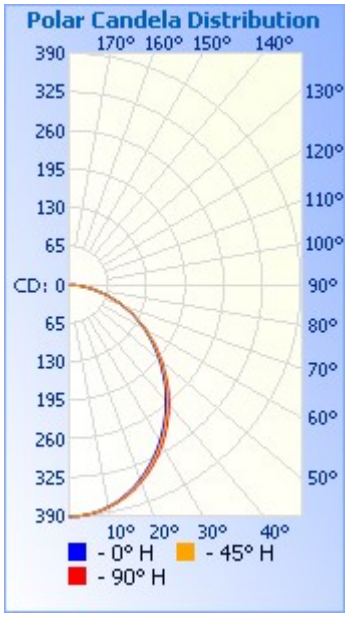
Photometrics Pro

Luminaire Photometric Report

Filename: **RIGA MT 567mm Opal 3000K 90CRI**
Manufacturer: Zaniboni lighting
Luminaire: RIGA MT 567mm Opal 3000K 90CRI
Luminaire Cat: RIGA MT 567mm Opal 3000K 90CRI
Lamp: LED
Lamp Cat: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 1005
Max Candela: 389.2 at Horizontal: 0°, Vertical: 0°
Input Wattage: 11.9
Luminous Opening: Rectangle w/Luminous Sides (L: 0.79", W: 22.05", H: 0.04")
Test: RIGA MT 567mm Opal 3000K 90CRI
Test Date: 06 May 2020
Test Lab: Zaniboni Lighting
FLASHAREA: 0.003253
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

	Lumens	% Lamp
Cutoff Classification:		CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		4.0
Max Cd, 80 to <90 Deg:		40.1
Downward Street Side:	502.3	50%
Downward House Side:	502.3	50%
Downward Total:	1,004.5	100%
Total Lumens:	1,004.5	100%

Flood Summary

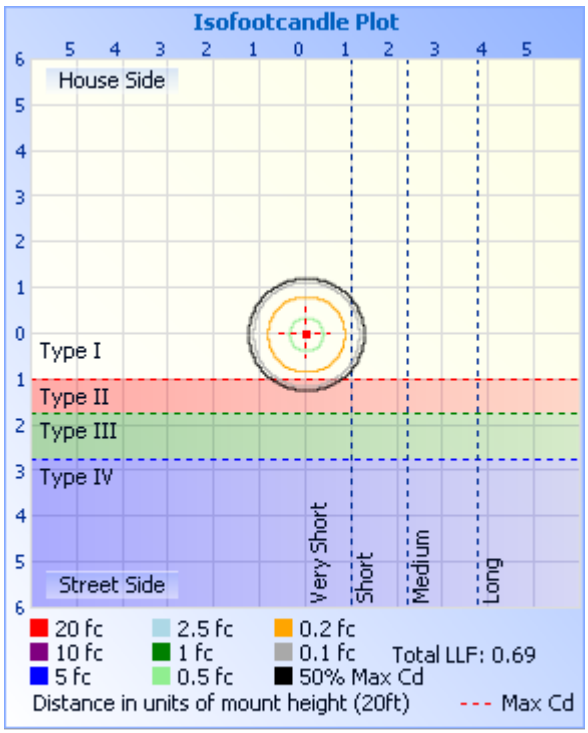
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	983.6	158.5	160.6
Beam (50%):	66.2%	665.6	103.3	101.3
Total:	99.9%	1,004.1		

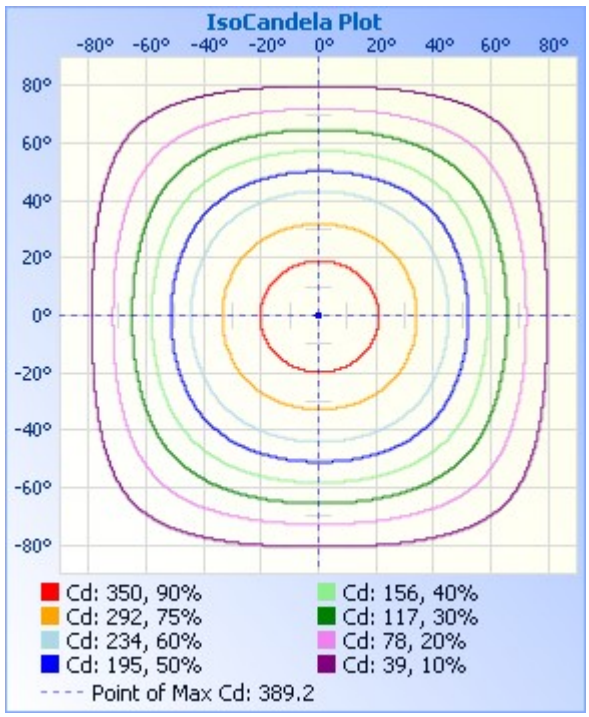
Zonal Lumen Summary

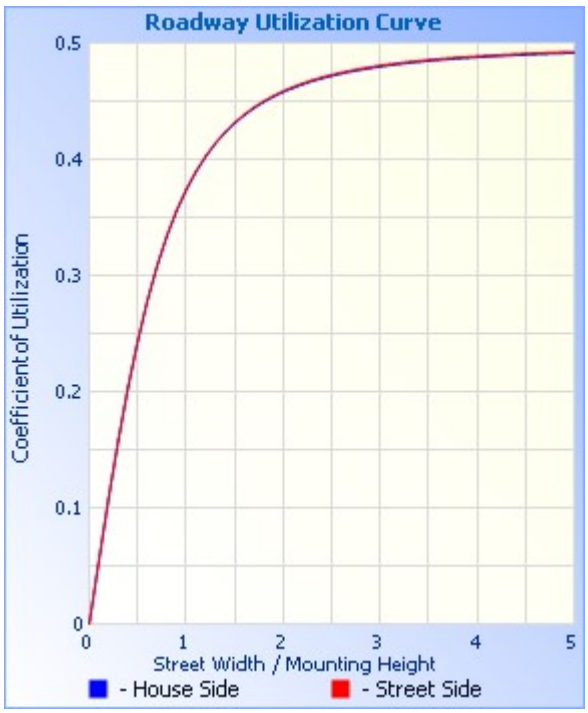
Zone	Lumens	% Lamp	% Luminaire
0-30	291.8	29%	29.1%
0-40	468.3	46.6%	46.6%
0-60	800.2	79.6%	79.7%
60-90	204.1	20.3%	20.3%
0-90	1,004.3	99.9%	100%

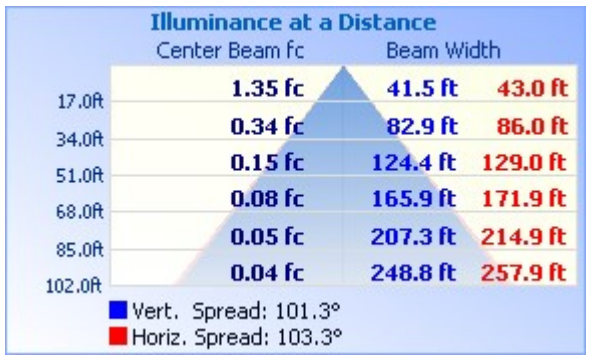
Lumens Per Zone

Zone	Lumens	% Total
0-10	36.7	3.6%
10-20	103.2	10.3%
20-30	151.9	15.1%
30-40	176.5	17.6%
40-50	176.7	17.6%
50-60	155.2	15.5%
60-70	116.7	11.6%
70-80	67.2	6.7%
80-90	20.1	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	50	30	20	50	30	20	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	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.62	.59
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7	.66	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.42	.37	.47	.41	.36	.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	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389
2.5	389	389	389	389	389	389	388	388	389	389	389	389	388	388	388	389	389	389	389
5	386	386	386	387	386	387	387	387	387	387	387	387	387	387	387	387	387	387	387
7.5	383	383	383	383	383	383	383	383	383	383	384	384	384	384	384	384	384	384	384
10	378	378	378	378	378	379	379	379	379	379	379	379	380	380	380	380	380	380	380
12.5	372	372	372	373	373	373	373	373	373	373	374	374	374	374	374	374	374	374	375
15	365	365	365	365	365	366	366	366	366	366	367	367	367	367	367	368	368	368	368
17.5	357	357	357	357	357	358	358	358	358	359	359	360	360	360	360	361	361	361	361
20	347	348	348	348	348	349	349	349	350	350	351	351	351	351	352	352	352	352	352
22.5	337	337	338	338	338	339	339	340	340	340	341	342	342	342	343	343	343	343	344
25	327	327	327	327	327	328	329	329	329	330	331	331	332	332	332	333	333	333	333
27.5	315	315	315	316	316	317	317	318	318	319	320	320	321	321	321	322	322	323	322
30	303	303	304	304	304	305	306	306	307	307	308	309	309	309	309	311	310	311	311
32.5	291	291	291	292	292	293	293	294	294	295	296	297	297	297	297	299	299	299	298
35	278	278	278	279	279	280	281	281	282	282	283	284	284	285	285	286	286	286	286
37.5	265	265	265	266	266	267	268	268	269	269	270	271	272	272	272	273	273	273	273
40	252	252	252	253	253	254	254	255	256	256	257	258	258	259	258	259	260	260	260
42.5	239	239	239	240	240	240	241	242	243	243	244	245	245	245	245	246	246	246	246
45	225	225	226	226	226	227	228	228	229	229	230	231	231	231	231	232	232	233	233
50	198	198	198	199	199	200	200	201	201	202	202	203	204	204	204	204	204	205	204
55	171	171	171	172	172	172	172	173	173	173	174	175	175	175	175	175	175	176	175
60	144	144	144	144	145	145	145	145	146	146	146	147	147	147	147	147	147	147	147
65	117	117	117	117	117	117	118	118	118	118	118	119	119	119	119	118	118	118	118
70	90	90	90	90	90	90	90	91	91	90	90	91	91	91	90	90	90	90	89
75	64	64	64	64	64	64	64	64	64	63	63	63	63	63	62	62	62	62	61
80	40	40	40	40	40	40	39	39	39	38	38	38	38	37	37	36	36	36	35
85	19	19	19	19	18	18	18	18	17	17	17	16	16	15	15	15	14	14	14
90	4	4	4	4	4	3	3	3	3	2	2	2	1	1	1	1	0	0	0

Luminaire Report Summary

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IESNA:LM-63-2002
[TEST] RIGA MT 567mm Opal 3000K 90CRI
[TESTLAB] Zaniboni Lighting
[TESTDATE] 06 May 2020
[ISSUEDATE] 06 May 2020
[MANUFAC] Zaniboni lighting
[LUMCAT] RIGA MT 567mm Opal 3000K 90CRI
[LUMINAIRE] RIGA MT 567mm Opal 3000K 90CRI
[FLASHAREA] 0.003253
[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.