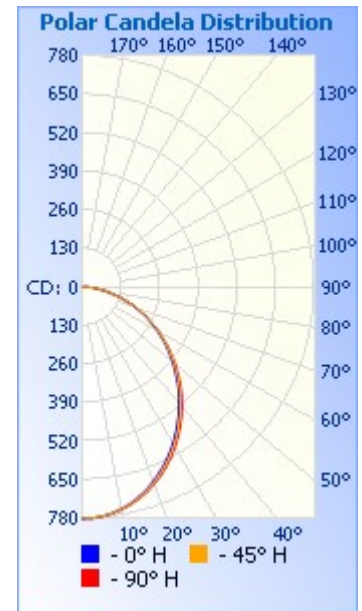


Photometrics Pro

Luminaire Photometric Report

Filename: RIGA MT 1128mm Opal 3000K 90CRI
Manufacturer: Zaniboni lighting
Luminaire: RIGA MT 1128mm Opal 3000K 90CRI
Luminaire Cat: RIGA MT 1128mm Opal 3000K 90CRI
Lamp: LED
Lamp Cat: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 2011
Max Candela: 778.7 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.8
Luminous Opening: Rectangle w/Luminous Sides (L: 0.79", W: 44.09", H: 0.04")
Test: RIGA MT 1128mm Opal 3000K 90CRI
Test Date: 06 May 2020
Test Lab: Zaniboni Lighting
FLASHAREA: 0.006506
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	8.0
Max Cd, 80 to <90 Deg:	80.3
Lumens % Lamp	
Downward Street Side:	1,005.0 50%
Downward House Side:	1,005.0 50%
Downward Total:	2,010.1 100%
Total Lumens:	2,010.1 100%

Zonal Lumen Summary

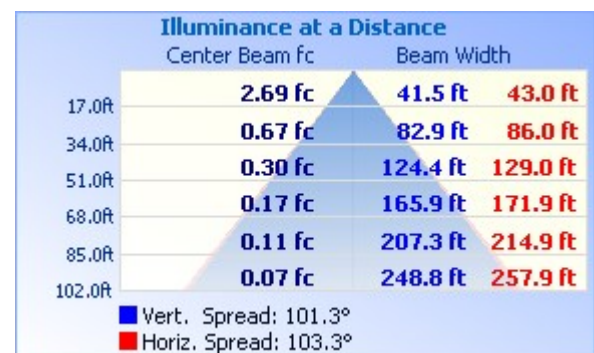
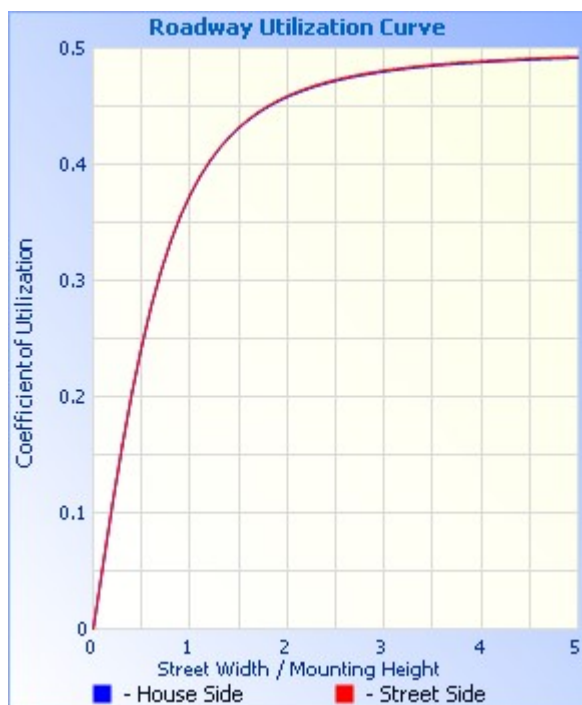
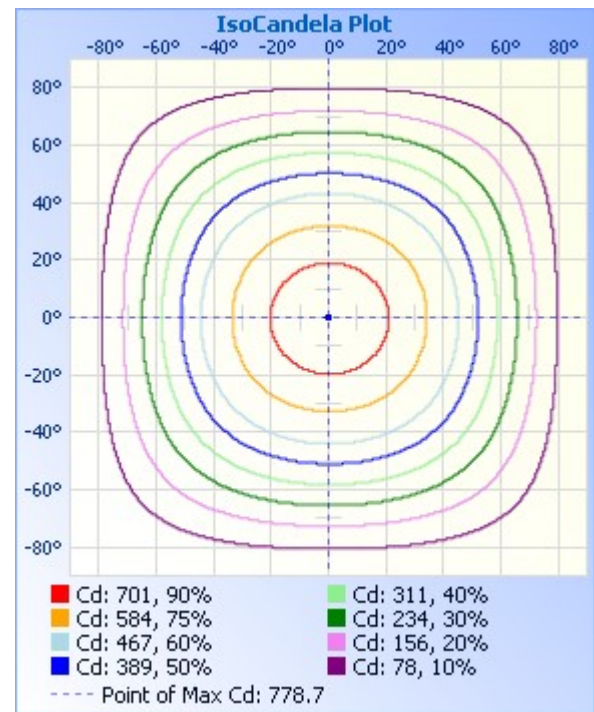
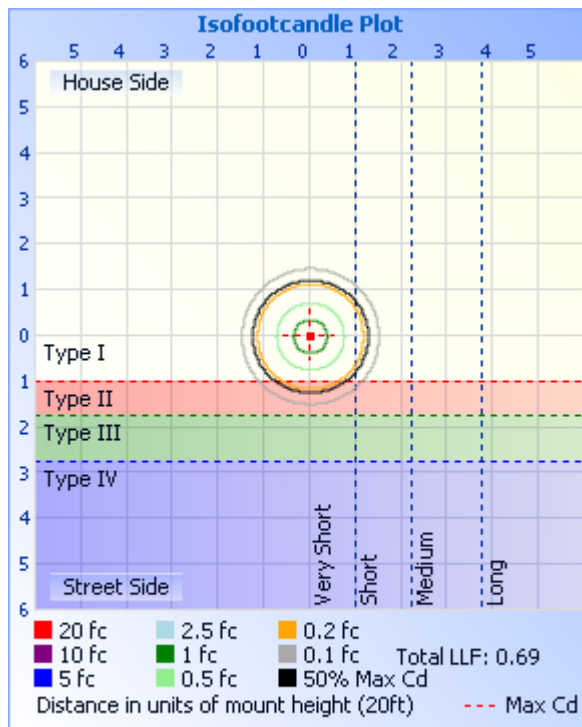
Zone	Lumens	% Lamp	% Luminaire
0-30	583.8	29%	29.1%
0-40	937.0	46.6%	46.6%
0-60	1,601.2	79.6%	79.7%
60-90	408.3	20.3%	20.3%
0-90	2,009.5	99.9%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	1,968.2	158.5	160.6
Beam (50%):	66.2%	1,331.8	103.3	101.3
Total:	99.9%	2,009.2		

Lumens Per Zone

Zone	Lumens	% Total
0-10	73.3	3.6%
10-20	206.6	10.3%
20-30	303.9	15.1%
30-40	353.2	17.6%
40-50	353.6	17.6%
50-60	310.5	15.5%
60-70	233.5	11.6%
70-80	134.6	6.7%
80-90	40.3	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	1.06	1.02	1.02	1.02	1.02	1.00	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	.89	.90	.88	.86	.86	.84	.84	.84	.84
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.74	.82	.78	.74	.74	.79	.76	.72	.72	.70	.70	.70	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.63	.73	.67	.63	.63	.70	.65	.62	.62	.59	.59	.59	.59
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.55	.54	.65	.59	.54	.54	.63	.57	.53	.53	.51	.51	.51	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.47	.58	.52	.47	.47	.57	.51	.46	.46	.44	.44	.44	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.42	.42	.53	.46	.41	.41	.51	.45	.41	.41	.39	.39	.39	.39
7	.66	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.37	.48	.42	.37	.37	.47	.41	.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	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779
2.5	778	777	778	778	778	778	777	777	778	777	778	777	777	777	777	778	778	778	778
5	773	773	773	774	773	773	774	774	774	774	774	774	774	774	774	774	774	774	774
7.5	766	766	766	767	767	767	767	767	767	767	768	768	768	768	768	768	768	769	769
10	757	757	756	757	757	758	758	758	758	758	759	759	760	760	760	760	760	760	760
12.5	745	745	745	746	746	746	746	747	747	747	748	748	748	748	749	749	749	749	750
15	730	730	730	731	731	732	732	732	733	733	734	735	735	735	735	736	736	737	737
17.5	714	714	714	715	715	716	716	717	717	718	719	720	720	720	721	722	722	722	723
20	695	695	695	696	697	698	698	699	699	700	701	703	703	703	704	705	705	705	705
22.5	675	675	675	676	677	678	679	680	680	681	683	684	684	684	685	687	687	687	687
25	653	654	654	655	655	656	658	658	659	660	661	663	664	664	664	666	666	667	666
27.5	631	631	631	632	633	634	635	636	637	638	640	641	642	642	643	645	645	646	645
30	607	607	608	608	609	610	611	613	613	615	616	618	619	619	619	621	621	622	622
32.5	582	582	582	584	584	585	587	588	589	590	592	594	594	595	595	598	597	598	597
35	557	557	557	558	559	560	561	563	564	564	567	568	569	569	570	572	572	573	572
37.5	531	531	531	532	533	534	535	537	538	538	541	543	544	544	544	546	546	547	547
40	504	505	505	506	506	508	509	511	511	512	515	516	517	517	517	519	519	520	520
42.5	478	478	479	479	480	481	482	484	485	485	488	490	490	491	490	492	493	493	493
45	451	451	452	452	453	454	455	457	458	458	460	462	463	463	463	464	465	465	466
50	396	397	397	398	399	400	401	401	403	403	405	406	408	407	407	408	408	409	408
55	342	342	343	343	344	344	345	346	347	347	348	350	351	351	351	351	351	351	351
60	288	288	288	289	289	290	290	291	291	292	293	294	295	295	294	294	294	294	294
65	234	234	234	234	235	235	235	236	236	236	237	237	238	238	237	237	236	237	236
70	180	181	181	181	181	181	181	181	181	181	181	181	182	181	181	180	180	180	178
75	129	129	129	129	129	128	128	128	127	127	127	126	126	126	125	124	124	123	122
80	80	80	80	80	80	79	79	78	78	77	76	76	75	74	74	73	72	71	70
85	38	38	38	37	37	36	36	35	35	34	33	32	32	31	30	29	29	28	28
90	8	8	8	8	7	7	6	6	5	5	4	3	3	2	2	1	1	1	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] RIGA MT 1128mm Opal 3000K 90CRI
[TESTLAB] Zaniboni Lighting
[TESTDATE] 06 May 2020
[ISSUEDATE] 06 May 2020
[MANUFAC] Zaniboni lighting
[LUMCAT] RIGA MT 1128mm Opal 3000K 90CRI
[LUMINAIRE] RIGA MT 1128mm Opal 3000K 90CRI
[FLASHAREA] 0.006506
[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

Photometrics Pro 1.3.29 copyright 2003-2020 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.