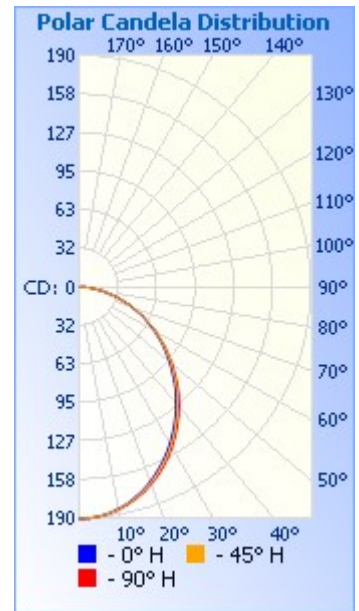


Photometrics Pro

Luminaire Photometric Report

Filename: RIGA MT 286mm Opal 3000K 90CRI
Manufacturer: Zaniboni lighting
Luminaire: RIGA MT 286mm Opal 3000K 90CRI
Luminaire Cat: RIGA MT 286mm Opal 3000K 90CRI
Lamp: LED
Lamp Cat: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 490
Max Candela: 189.8 at Horizontal: 0°, Vertical: 0°
Input Wattage: 6
Luminous Opening: Rectangle w/Luminous Sides (L: 0.79", W: 11.02", H: 0.04")
Test: RIGA MT 286mm Opal 3000K 90CRI
Test Date: 06 May 2020
Test Lab: Zaniboni Lighting
FLASHAREA: 0.001626
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	2.0
Max Cd, 80 to <90 Deg:	19.6
Lumens % Lamp	
Downward Street Side:	244.9 50%
Downward House Side:	244.9 50%
Downward Total:	489.8 100%
Total Lumens:	489.8 100%

Zonal Lumen Summary

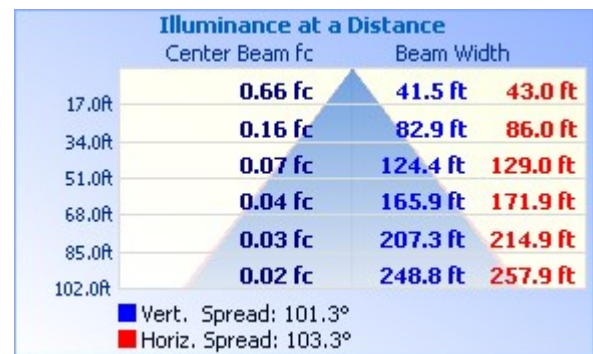
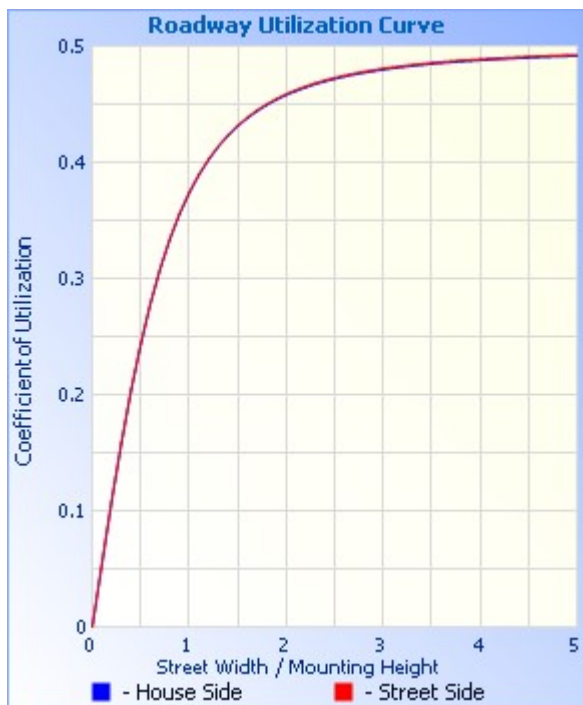
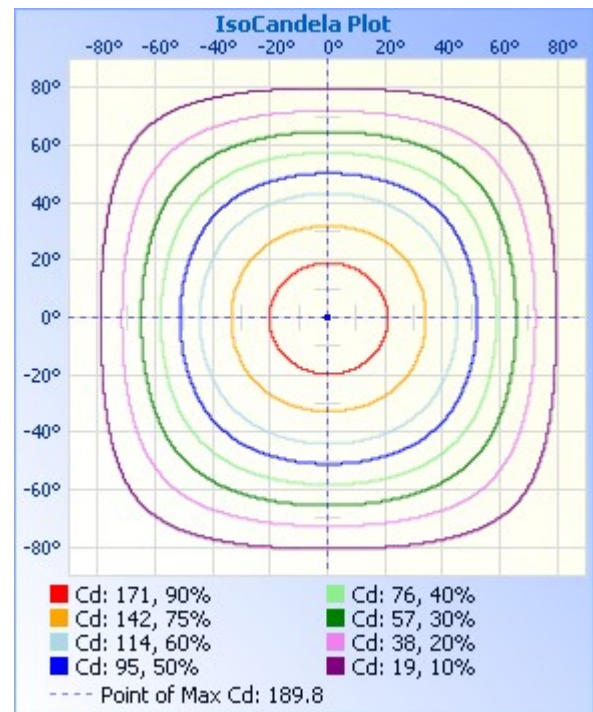
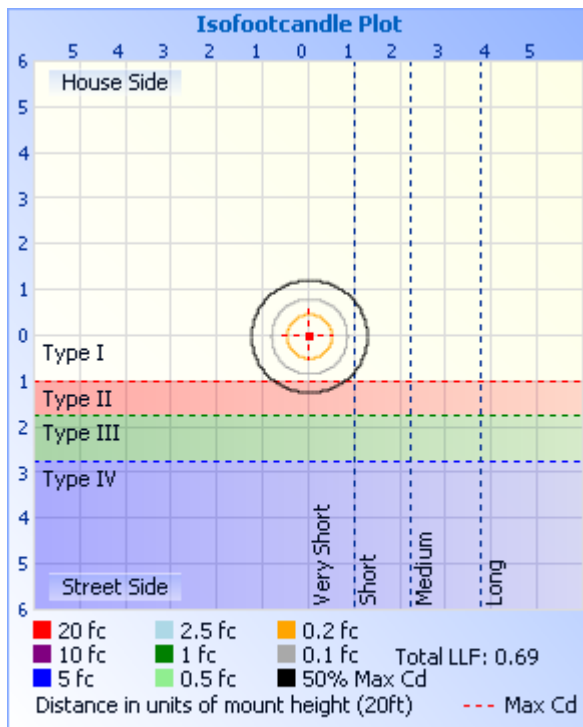
Zone	Lumens	% Lamp	% Luminaire
0-30	142.3	29%	29.1%
0-40	228.3	46.6%	46.6%
0-60	390.1	79.6%	79.7%
60-90	99.5	20.3%	20.3%
0-90	489.6	99.9%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	479.6	158.5	160.6
Beam (50%):	66.2%	324.5	103.3	101.3
Total:	99.9%	489.6		

Lumens Per Zone

Zone	Lumens	% Total
0-10	17.9	3.6%
10-20	50.3	10.3%
20-30	74.0	15.1%
30-40	86.1	17.6%
40-50	86.2	17.6%
50-60	75.7	15.5%
60-70	56.9	11.6%
70-80	32.8	6.7%
80-90	9.8	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	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
2.5	189	189	189	189	190	190	189	189	189	189	189	189	189	189	189	189	189	189	190
5	188	188	188	188	188	188	188	188	189	189	189	188	189	189	189	188	188	189	189
7.5	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
10	184	184	184	184	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
12.5	182	182	182	182	182	182	182	182	182	182	182	182	182	182	183	183	182	183	183
15	178	178	178	178	178	178	178	178	179	179	179	179	179	179	179	179	179	180	180
17.5	174	174	174	174	174	174	175	175	175	175	175	175	175	176	176	176	176	176	176
20	169	169	169	170	170	170	170	170	170	171	171	171	171	171	171	172	172	172	172
22.5	164	165	165	165	165	165	166	166	166	166	166	167	167	167	167	167	167	167	167
25	159	159	159	160	160	160	160	160	161	161	161	162	162	162	162	162	162	162	162
27.5	154	154	154	154	154	155	155	155	155	155	156	156	156	156	157	157	157	157	157
30	148	148	148	148	148	149	149	149	149	150	150	151	151	151	151	151	151	152	152
32.5	142	142	142	142	142	143	143	143	144	144	144	145	145	145	145	146	146	146	146
35	136	136	136	136	136	137	137	137	137	138	138	138	139	139	139	139	139	140	139
37.5	129	129	129	130	130	130	130	131	131	131	132	132	132	132	132	133	133	133	133
40	123	123	123	123	123	124	124	124	125	125	125	126	126	126	126	126	127	127	127
42.5	116	116	117	117	117	117	118	118	118	118	119	119	120	120	119	120	120	120	120
45	110	110	110	110	110	111	111	111	112	112	112	113	113	113	113	113	113	113	113
50	97	97	97	97	97	97	98	98	98	98	99	99	99	99	99	99	99	100	99
55	83	83	83	84	84	84	84	84	85	85	85	85	86	86	86	85	86	86	86
60	70	70	70	70	70	71	71	71	71	71	71	72	72	72	72	72	72	72	72
65	57	57	57	57	57	57	57	57	58	58	58	58	58	58	58	58	58	58	57
70	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
75	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30
80	20	20	20	20	19	19	19	19	19	19	19	18	18	18	18	18	18	17	17
85	9	9	9	9	9	9	9	9	8	8	8	8	8	8	7	7	7	7	7
90	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] RIGA MT 286mm Opal 3000K 90CRI
[TESTLAB] Zaniboni Lighting
[TESTDATE] 06 May 2020
[ISSUEDATE] 06 May 2020
[MANUFAC] Zaniboni lighting
[LUMCAT] RIGA MT 286mm Opal 3000K 90CRI
[LUMINAIRE] RIGA MT 286mm Opal 3000K 90CRI
[FLASHAREA] 0.001626
[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.