

## Goniophotometer Test Report

Filename: BANDA BATH

**Manufacturer:** VISUAL COMFORT GROUP

**Lamp Output:** 1 lamp, rated Lumens/lamp: 790.6

**Max Candela:** 442.3 at Horizontal: 270°, Vertical: 35°

Input Wattage: 21

Test: 700BCBND24x-LED930

Test Date: 16-Jan-2019 13:57:30

### Test Lab: VISUAL COMFORT GROUP INTERNAL TEST

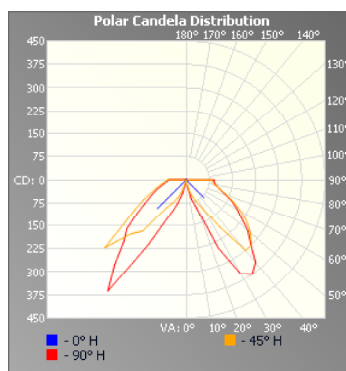
**Color Constant:** 2991K - 92CRI

Photometry : Type C

CIE Class: Direct

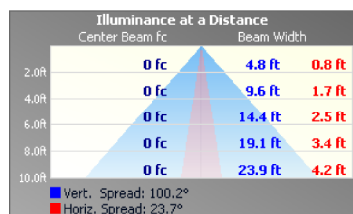
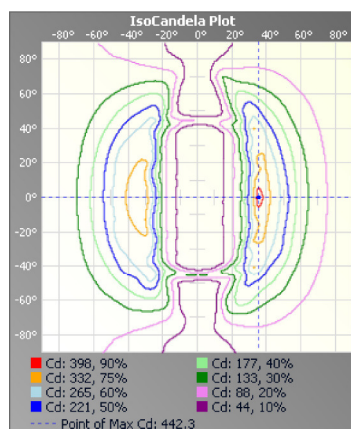
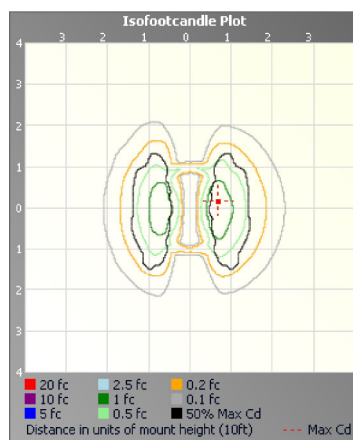
Cutoff Class: Noncutoff

Nema Type: 2 X 7



Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaires
0-30	46.6	5.9%	5.9%
0-40	155.8	19.7%	19.7%
0-60	477.0	60.3%	60.3%
60-90	297.6	37.6%	37.6%
70-100	182.1	23%	23%
90-120	15.9	2%	2%
0-90	774.6	98%	98%
90-180	15.9	2%	2%
0-180	790.6	100%	100%

Lumens Per Zone				Lumens Per Zone			
Zone	Lumens	% Total	Zone	Lumens	% Total	Zone	Lumens
0-10	0.3	0.0%	90-100	15.9	2%	100-110	0
10-20	7.8	1.0%	100-110	0	0%	110-120	0
20-30	38.6	4.9%	110-120	0	0%	120-130	0
30-40	109.2	13.8%	120-130	0	0%	130-140	0
40-50	164.2	20.8%	130-140	0	0%	140-150	0
50-60	157.0	19.9%	140-150	0	0%	150-160	0
60-70	131.4	16.6%	150-160	0	0%	160-170	0
70-80	96.0	12.1%	160-170	0	0%	170-180	0
80-90	70.2	8.9%	170-180	0	0%		



### Candela Table - Type C

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	1	3	4	5	8	10	11	13	14	16	18	19	19	19	19	20	20	18	18	16	15	12	10	8	6	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	1	6	11	16	21	28	36	44	49	53	57	61	64	64	64	65	64	60	56	53	49	43	36	28	21	16	11	5	1	0	0	0	0	0	0	0	0	0	1	2	3	4	9	16
20	0	0	0	0	8	19	27	36	47	56	66	74	82	87	92	95	96	97	97	98	96	94	91	87	80	73	67	55	45	36	25	14	5	0	0	0	0	0	0	3	9	13	18	30	41	52		
25	0	2	7	17	29	43	56	68	78	90	104	117	133	163	198	223	235	244	239	209	186	164	141	116	102	92	78	68	56	43	28	14	2	1	0	0	0	0	0	0	9	18	28	39	53	65	75	
30	0	5	15	27	40	57	74	91	112	145	169	194	216	264	315	342	347	352	353	334	307	275	241	209	184	162	125	94	75	59	42	27	8	3	2	0	0	0	2	16	29	42	55	72	87	103		
35	0	3	7	15	24	55	70	90	122	189	245	314	347	366	375	385	384	377	374	384	397	396	382	368	349	324	289	213	125	96	75	55	37	16	8	4	0	0	4	22	42	55	71	91	113	150		
40	0	5	10	23	42	65	101	135	213	301	334	326	329	335	339	346	351	351	350	352	348	340	332	322	317	323	288	278	195	144	98	64	40	22	10	4	0	1	2	12	31	51	81	107	157	220	268	
45	82	92	98	107	124	142	175	199	252	300	312	299	286	284	283	289	292	295	295	293	284	281	276	274	274	287	293	268	237	211	186	172	158	145	144	139	131	138	140	142	157	167	183	199	222	249	273	
50	0	8	17	47	78	140	241	293	281	272	272	278	285	280	269	265	262	261	262	264	276	290	288	273	270	279	284	299	313	327	341	81	42	16	7	6	10	12	32	52	84	140	185	269	344	315		
55	0	2	24	43	71	200	236	243	240	240	240	238	237	235	233	227	223	220	219	218	220	224	230	233	242	250	238	227	246	264	229	163	111	55	19	9	0	15	51	94	142	202	229	235	238	225		
60	1	7	25	58	138	193	210	206	204	204	204	201	197	194	194	192	191	190	190	190	191	191	191	190	197	203	199	197	202	207	195	166	136	70	21	9	0	10	20	76	148	182	206	214	198	190	188	
65	2	12	30	88	144	159	169	172	170	169	168	167	164	163	163	161	162	162	163	163	163	162	162	159	160	162	163	167	166	162	156	150	135	78	34	16	1	14	27	85	156	176	184	176	158	152	153	
70	7	8	59	108	122	132	135	136	138	138	137	137	137	135	135	134	134	133	134	133	134	133	136	135	134	134	136	137	131	126	115	102	78	56	29	1	18	36	80	119	128	134	129	123	119	118		
75	3	20	59	84	90	98	103	107	110	112	113	114	114	115	114	113	112	112	111	111	111	112	113	113	113	112	111	110	108	103	97	87	67	56	27	1	21	48	68	84	92	98	100	100	98	96		
80	0	23	47	55	65	74	81	88	92	95	97	99	100	100	100	99	99	98	98	98	99	99	99	100	100	98	96	94	90	85	77	68	58	49	40	19	0	17	38	51	62	69	75	79	81	81	79	
85	0	11	26	39	50	60	70	77	83	86	89	90	92	92	92	92	92	92	92	92	92	93	93	92	93	91	89	85	81	75	67	58	47	35	22	9	0	10	25	37	48	56	62	66	68	68		
90	0	8	21	33	46	56	65	73	79	83	85	88	89	90	90	91	91	91	90	90	91	90	90	89	88	87	82	77	71	64	54	43	31	18	8	0	9	21	32	41	49	56	59	60	61	60		
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

[illegible]

## Luminaire Report Summary

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TESNA:LM-63-2002
[TEST] 700BCBND24x-LED930
[TESTDATE] 16-Jan-2019 13:57:30
[TESTLAB] VISUAL COMFORT GROUP INTERNAL TEST
[ISSUEDATE] 1/16/2019 2:49:17 PM
[MANUFAC] VISUAL COMFORT GROUP
[COLORCONSTANT] 2991K - 92CRI
[_TOTALLUMINAIRELUMENS] 661.7
[_NUMBEROFFRAYS]10000000
FILE: CANDELA MULTIPLIER: 1.1948
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 73
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.