

PHOTOMETRIC TEST REPORT

ELBA CEILING BASE 460 CE DALI

astro

LIGHT EFFICIENCY:



OUTPUT: 2055 lm

LIGHT QUALITY:



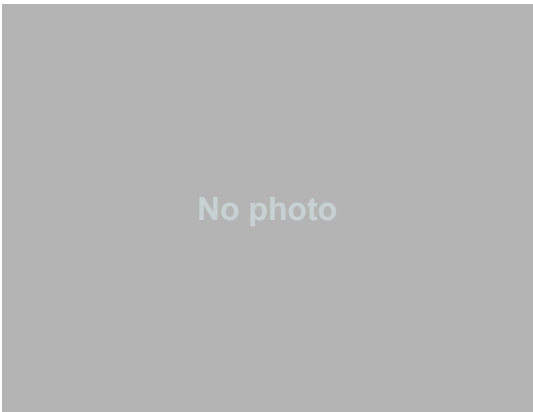
PEAK: 681 cd

COLOR TEMPERATURE:



POWER: 20.6 W

PF: 0.9



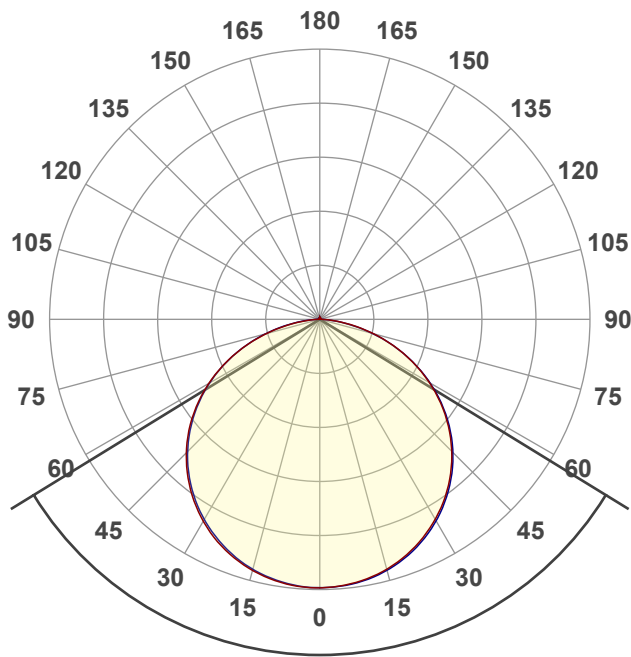
Tracking number: [n/a](#)

Product name:
Elba Ceiling Base 460 CE Dali

Item number:
1462017

Date and time:
13/01/2026 11:04:33

Description:

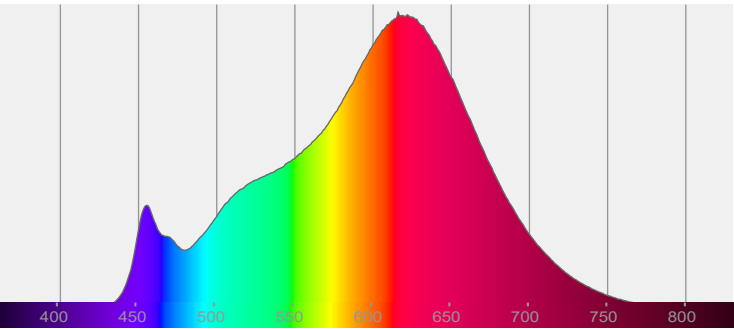


116.9°

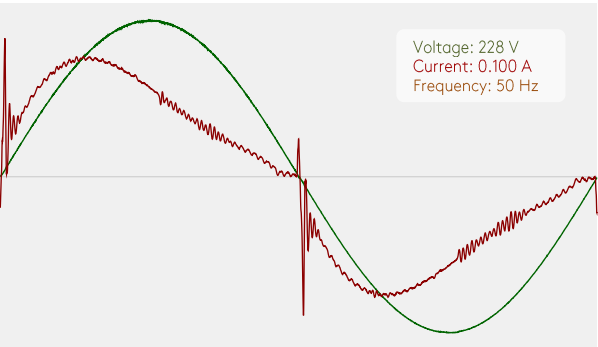


CIE 1931
x: 0.460
y: 0.412

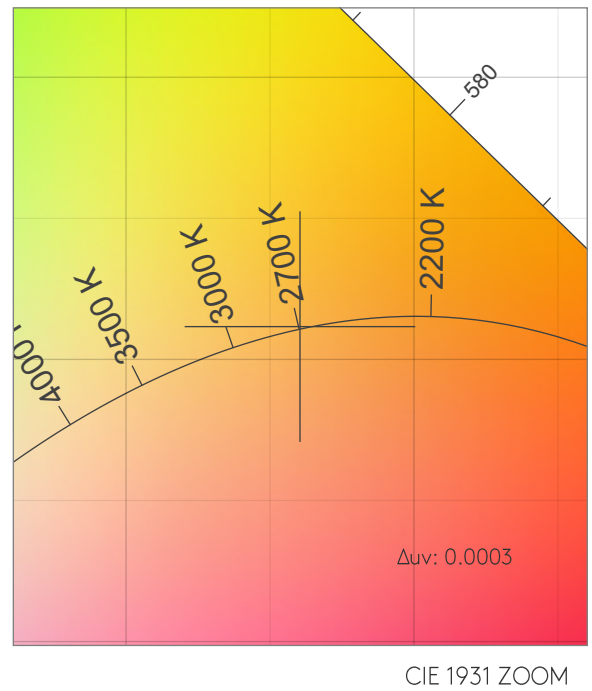
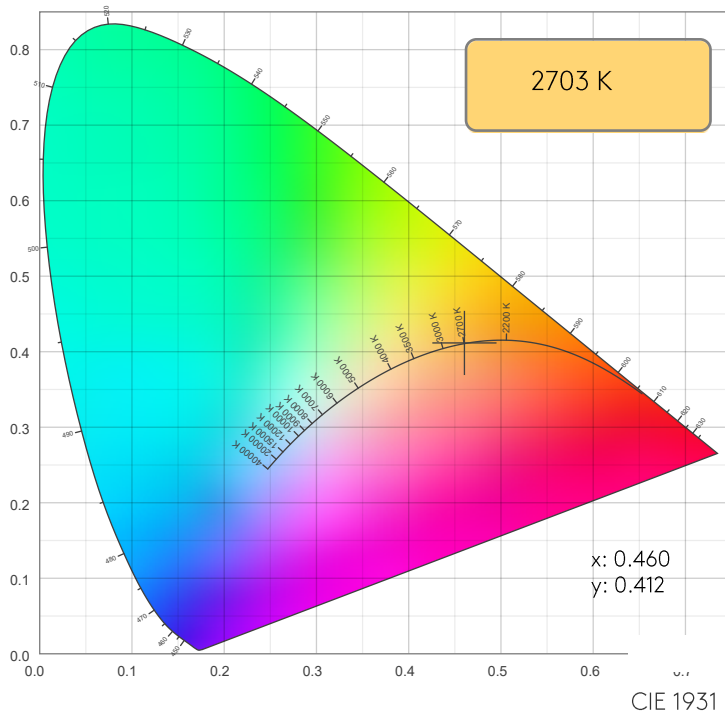
SPECTRA



POWER



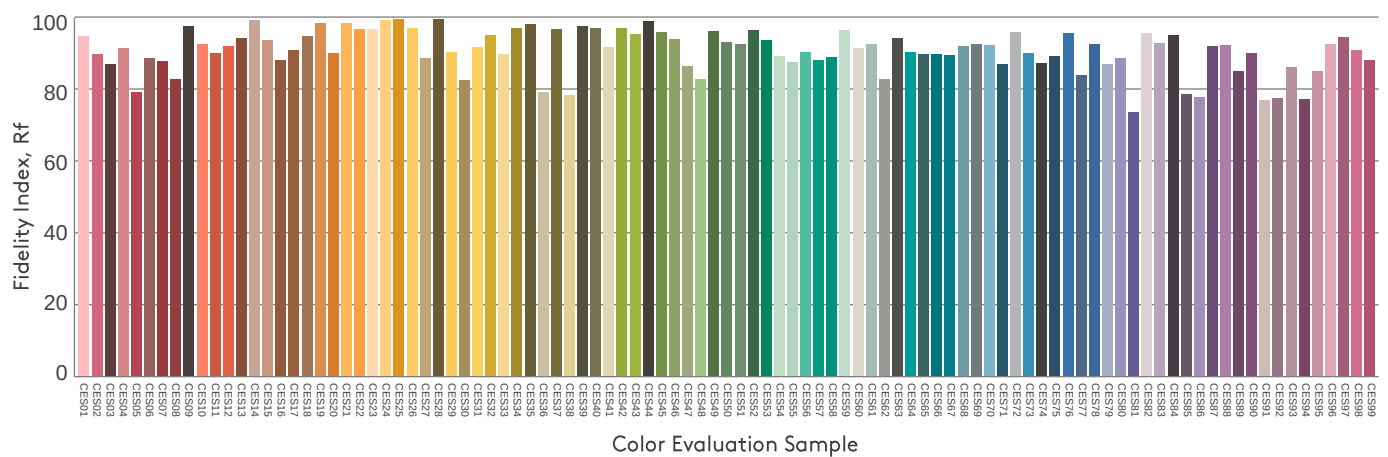
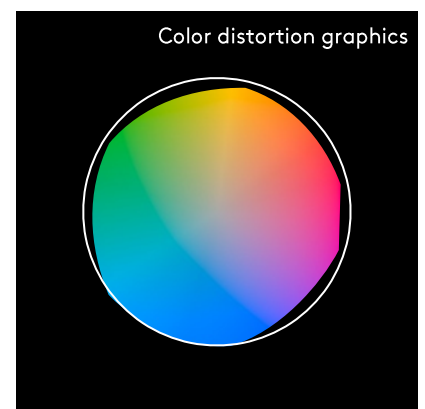
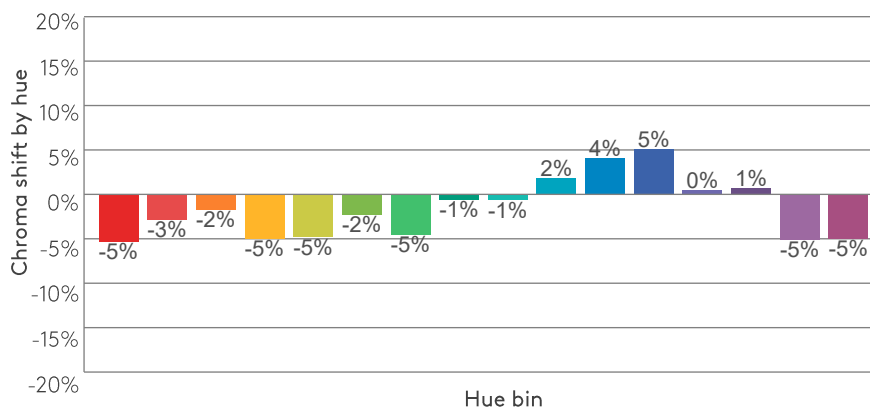
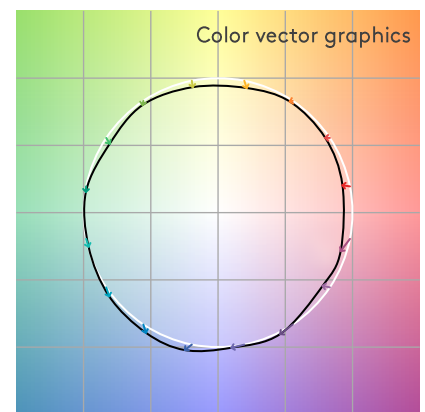
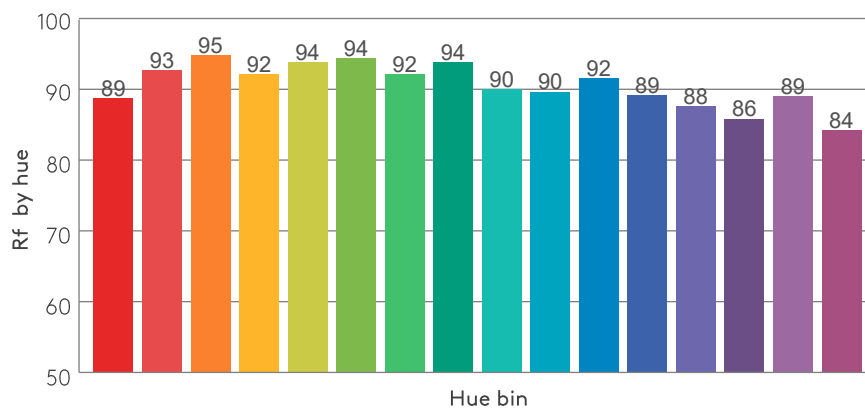
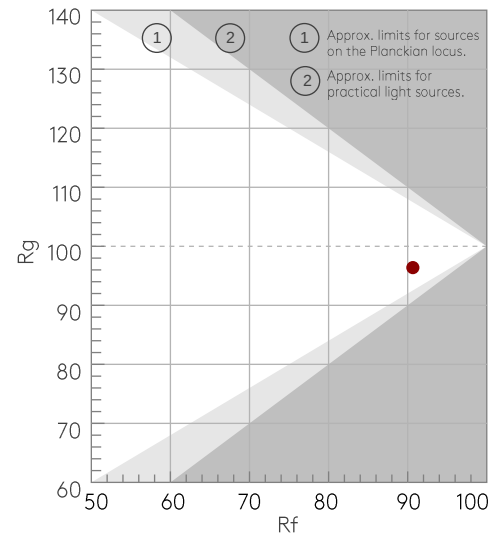
COLOR DETAILS



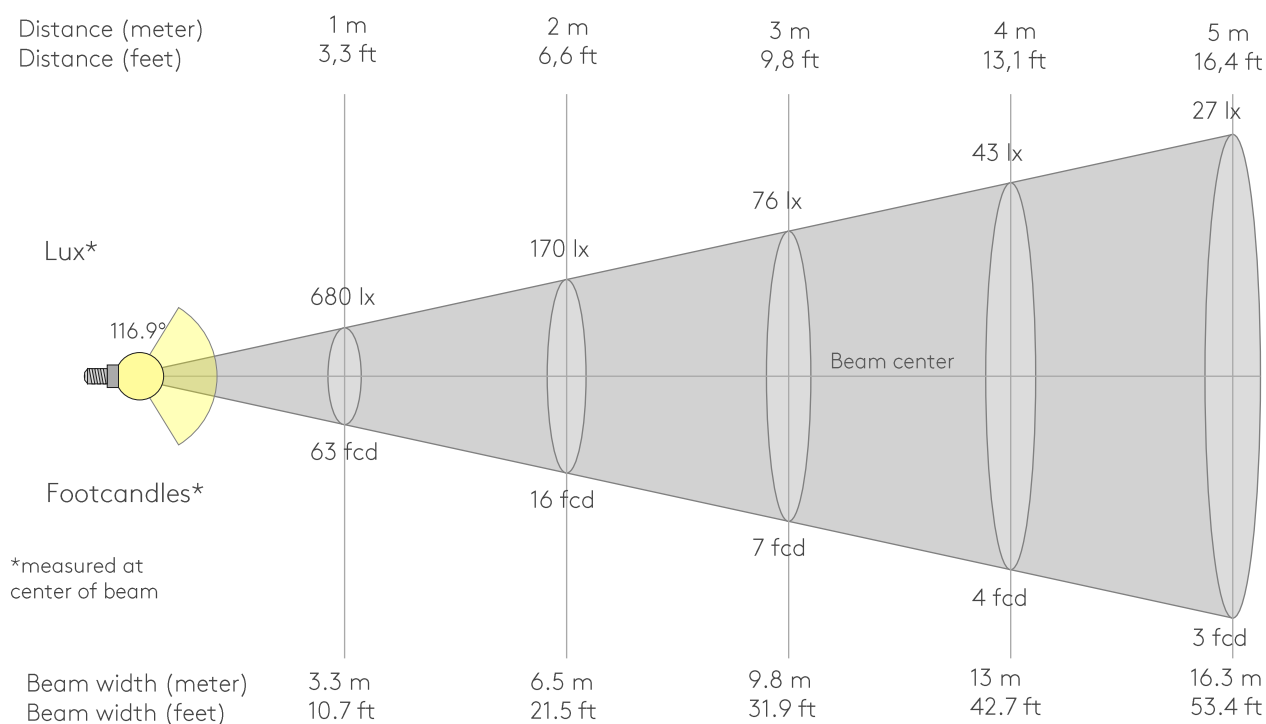
Rf 90.7
Fidelity index Rf

Rg 96.4
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	93	-3%	2%
3	95	-2%	2%
4	92	-5%	-3%
5	94	-5%	0%
6	94	-2%	2%
7	92	-5%	2%
8	94	-1%	4%
9	90	-1%	6%
10	90	2%	7%
11	92	4%	5%
12	89	5%	-4%
13	88	0%	-10%
14	86	1%	-12%
15	89	-5%	-2%
16	84	-5%	-10%



BEAM DETAILS



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
680lx	170lx	76lx	43lx	27lx	19lx	14lx	11lx	8lx	7lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx
63.2fcd	15.8fcd	7fcd	3.9fcd	2.5fcd	1.8fcd	1.3fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
680	677	669	655	637	613	585	552	515	473	426	376	321	263	202	141	83	35	7	2
100%	100%	98%	96%	94%	90%	86%	81%	76%	70%	63%	55%	47%	39%	30%	21%	12%	5%	1%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
680	678	671	658	640	617	589	556	519	477	430	378	323	263	202	139	79	32	7	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	47%	39%	30%	20%	12%	5%	1%	0%

Intensities in 180° c-plane

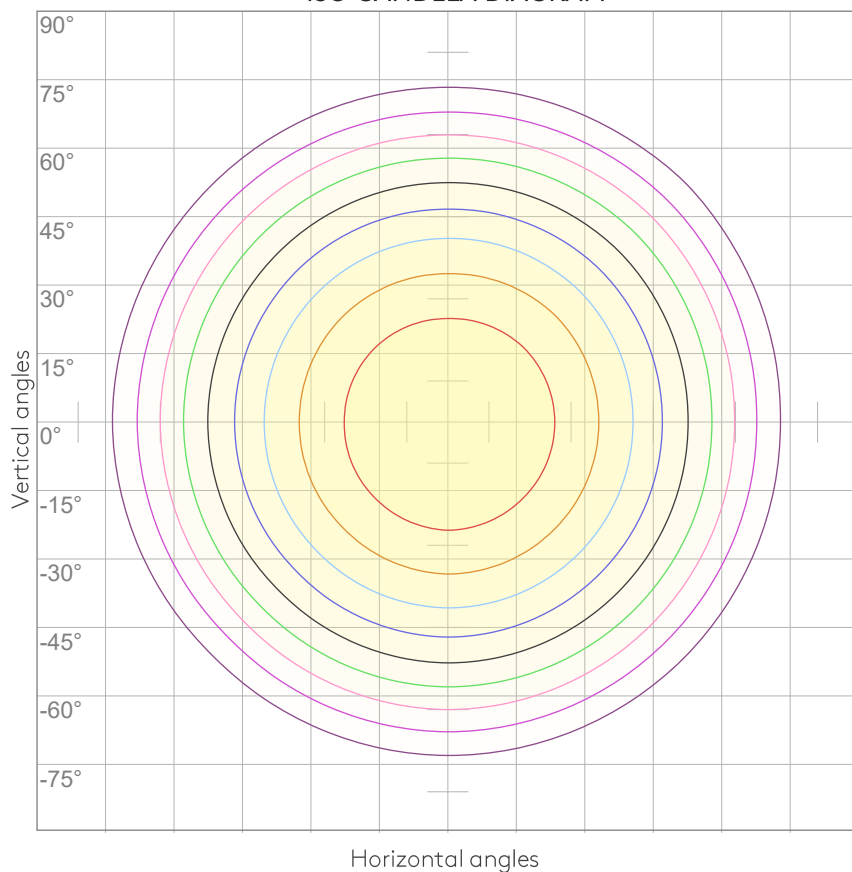
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
680	678	671	659	641	619	590	558	520	478	432	380	325	266	204	141	81	33	6	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	48%	39%	30%	21%	12%	5%	1%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
680	677	669	655	637	613	585	553	515	473	427	376	322	264	204	143	86	38	9	2
100%	100%	98%	96%	94%	90%	86%	81%	76%	70%	63%	55%	47%	39%	30%	21%	13%	6%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116.9°	162.7°	175.1°	77.1%	51.8%

ISO CANDELA DIAGRAM



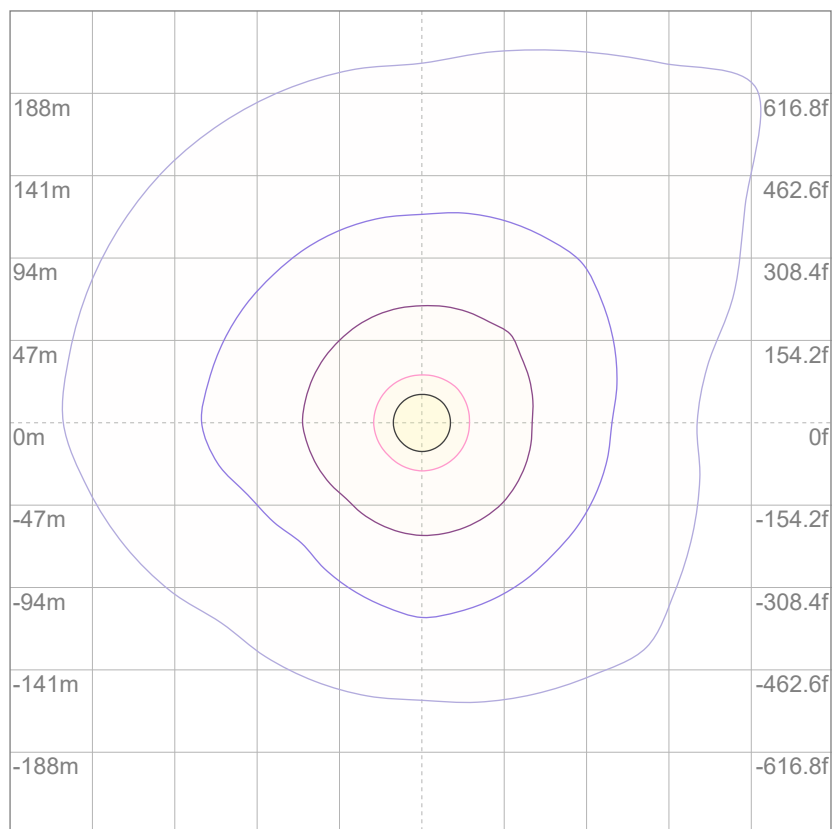
10%	68 cd
20%	136 cd
30%	204 cd
40%	272 cd
50%	340 cd
60%	408 cd
70%	476 cd
80%	544 cd
90%	612 cd

Conditions:

Number of c-planes: 8

Candela at center: 680 cd

ISO LUX DIAGRAM



3%	0.204 lx
5%	0.340 lx
10%	0.680 lx
30%	2.04 lx
50%	{LUX_10M50} lx

Conditions:

Number of c-planes: 8

Lux at center: 6.80 lx

Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.

GLARE EVALUATION ACCORDING TO UGR

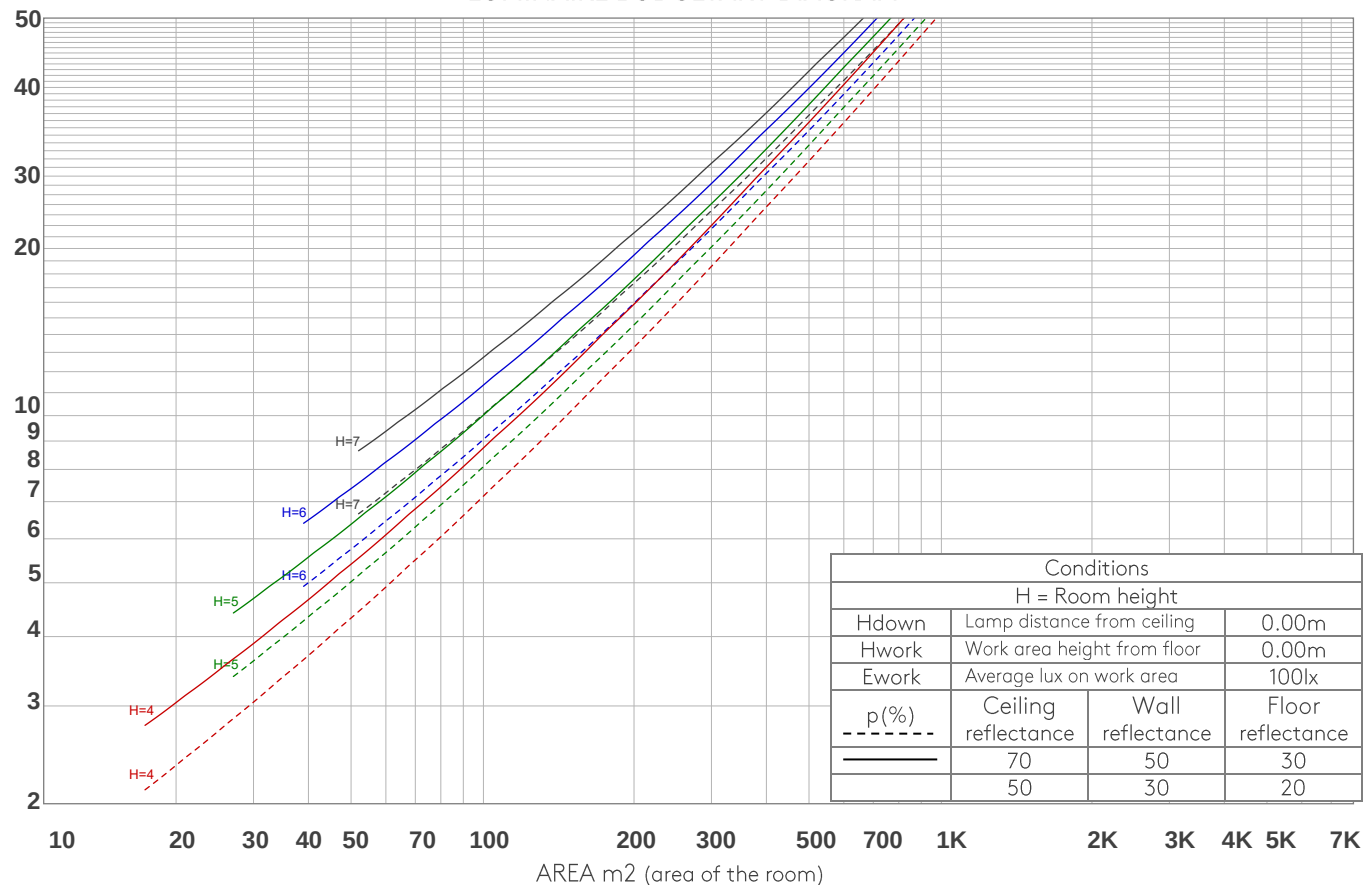
UGR data could not be calculated due to missing/wrong symmetry. Go to Edit -> Photometric -> Corrections and select Correct asymmetry (UGR not defined for asymmetrical distributions)..

COEFFICIENTS OF UTILIZATION

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	56	50	45	54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

LAMPS (number of lamps)

LUMINAIRE BUDGETARY DIAGRAM

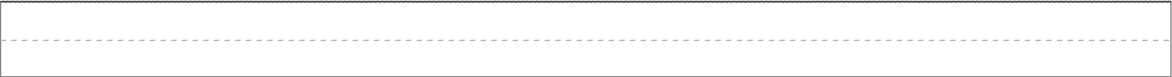


ZONAL LUMEN SUMMARY

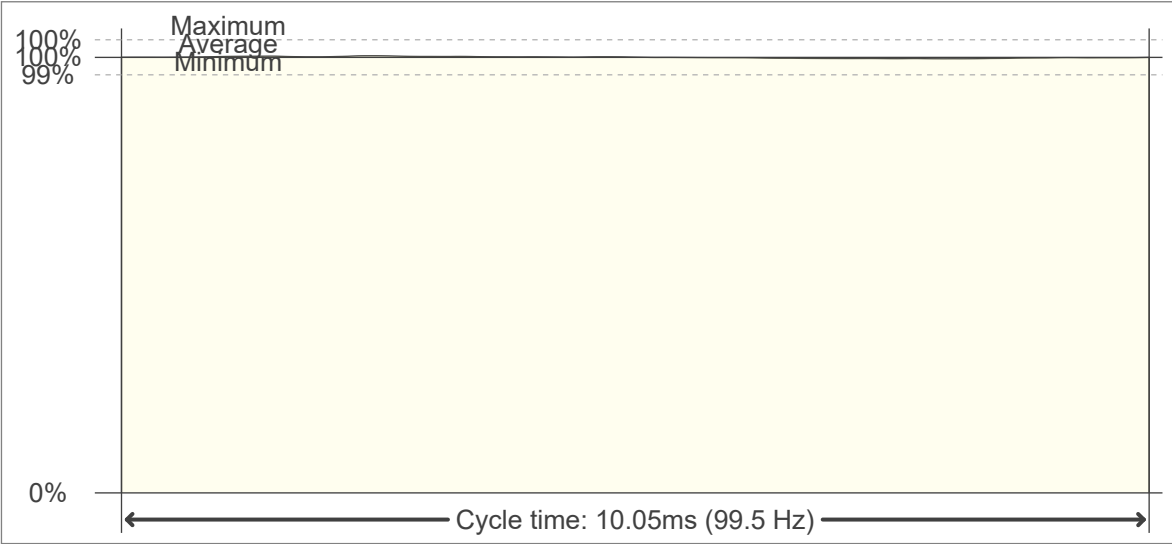
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
64.4 lm	186 lm	284 lm	347 lm	367 lm	337 lm	261 lm	149 lm	40.3 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
2.66 lm	2.48 lm	2.73 lm	2.81 lm	2.67 lm	2.36 lm	1.86 lm	1.18 lm	0.413 lm

FLICKER

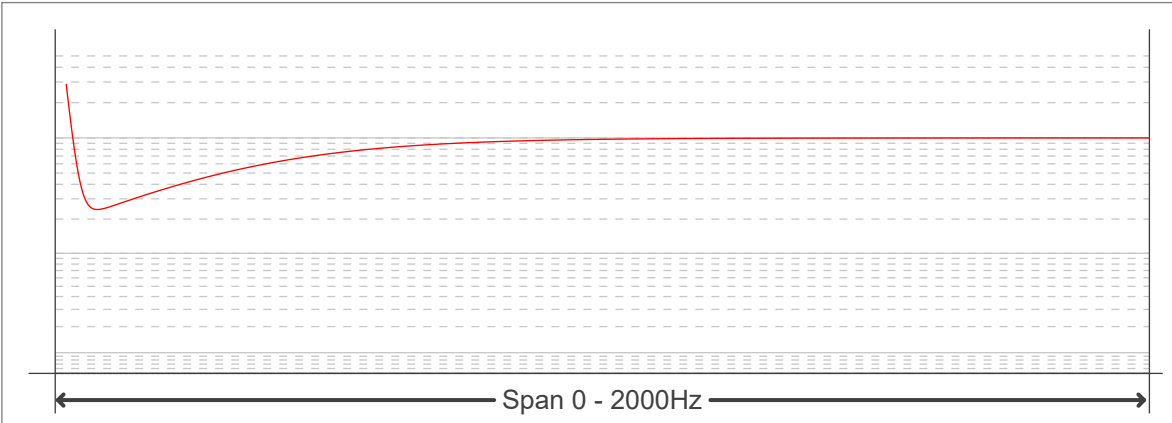
FLICKER CURVE (COMPLETE SAMPLED)



FLICKER FRAME (FRAME OF ONE FLICKER)



FLICKER FFT (FREQUENCY SCOPE OF FLICKER)



FLICKER RESULTS:

Flicker frequency:	99.5 Hz
Flicker index:	0
Flicker percentage:	0.46 %
SVM: (Visual flicker)	0.01

FLICKER CONDITIONS:

Sample rate:	20000 samples/second
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