

PHOTOMETRIC TEST REPORT

BURLINGTON 600 CE - DALI -
2700K

astro

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LIGHT EFFICIENCY:



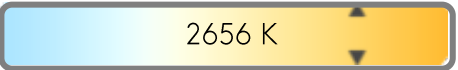
OUTPUT: 776 lm

LIGHT QUALITY:



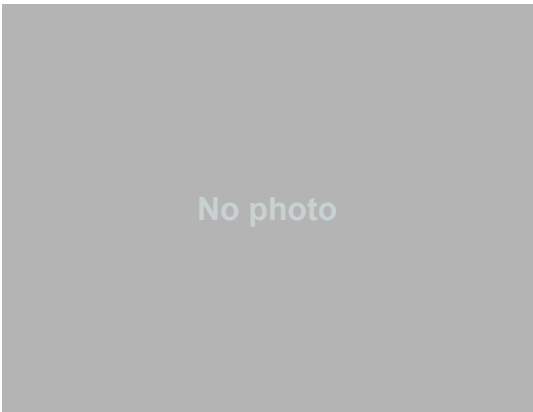
PEAK: 140 cd

COLOR TEMPERATURE:



POWER: 12.2 W

PF: 0.94



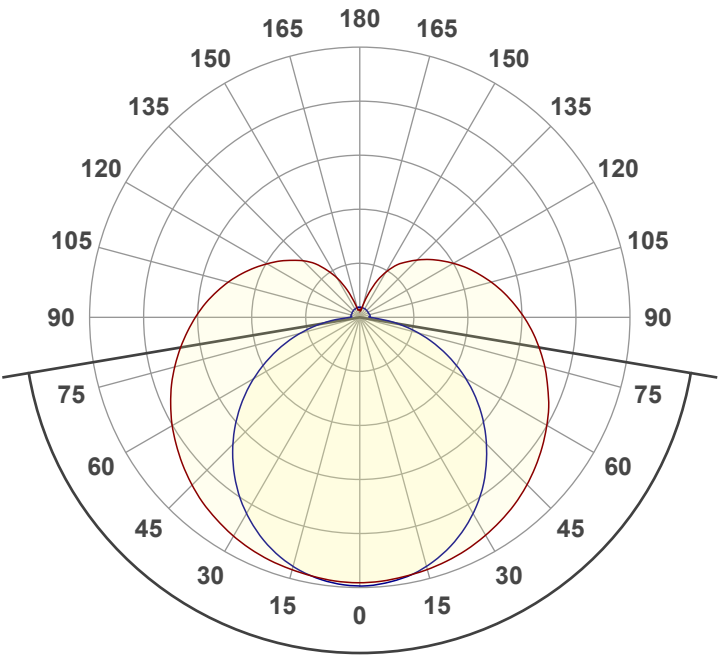
Tracking number: [n/a](#)

Product name:
Burlington 600 CE - Dali - 2700K

Item number:
1477xxx

Date and time:
24/04/2024 15:46:33

Description:
IP44 Bathroom wall light - 2700K

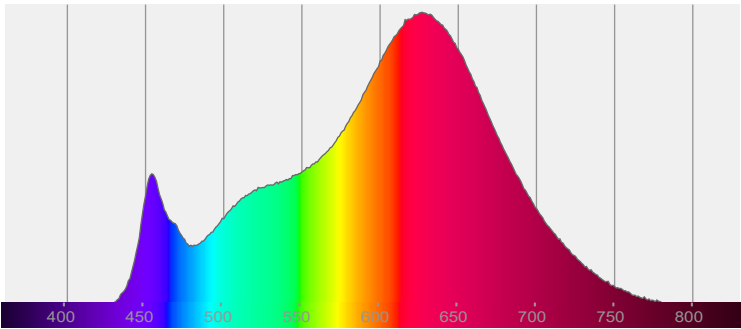


160.9°

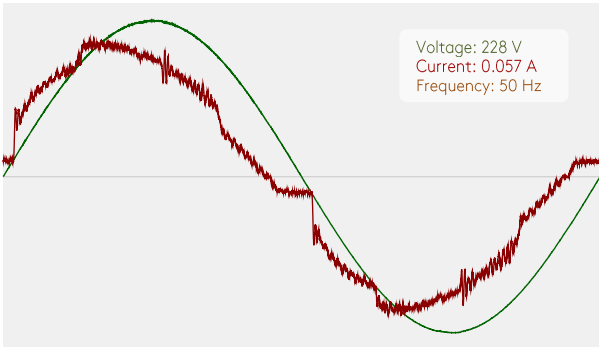


CIE 1931
x: 0.452
y: 0.390

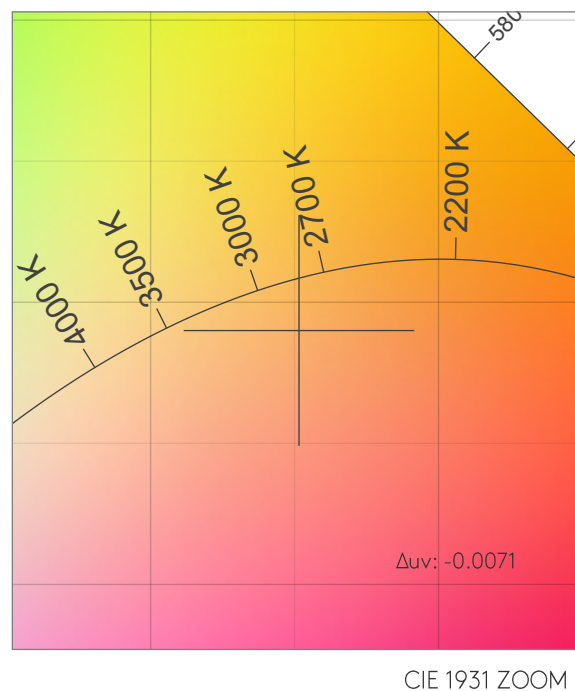
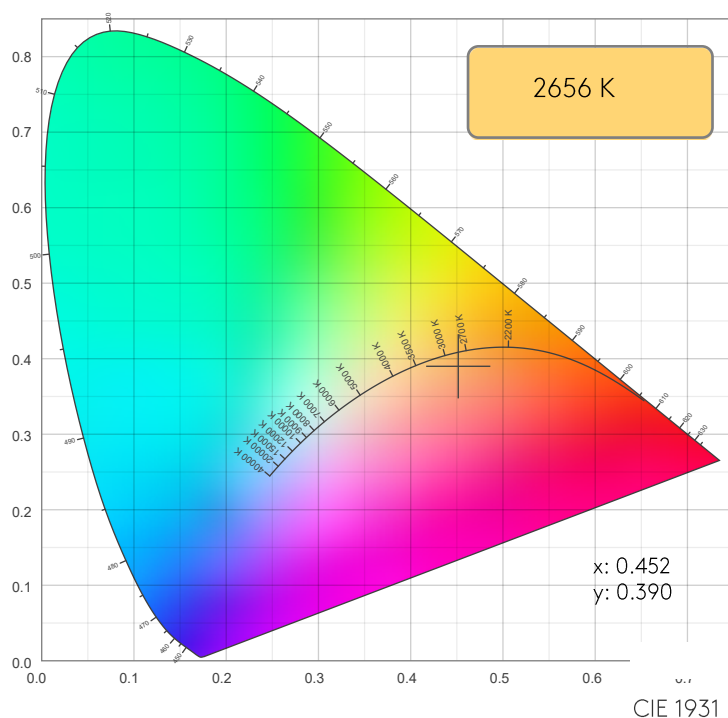
SPECTRA



POWER

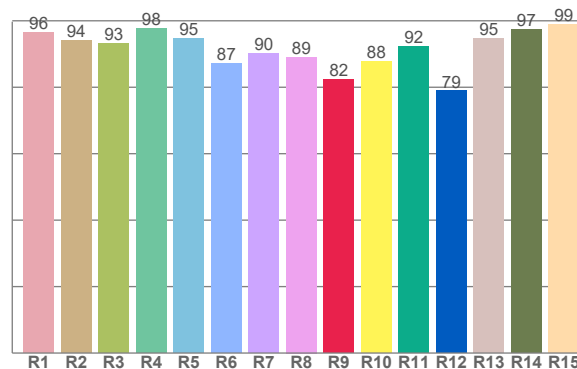
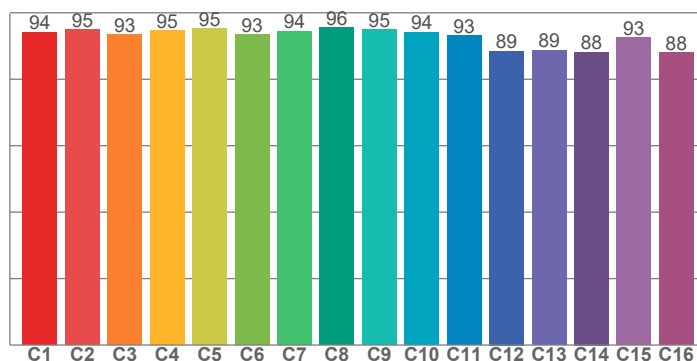


COLOR DETAILS



TM30: 93.1

CRI: 92.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.4	94.0	93.2	97.8	94.7	87.0	90.3	89.1	82.4	87.8	92.2	78.9	94.7	97.3	98.9

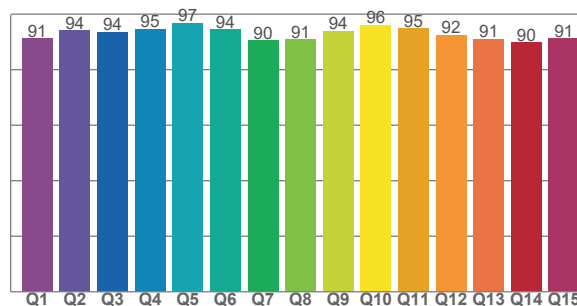
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.0	93.4	94.6	95.2	93.4	94.5	95.6	95.0	94.2	93.2	88.5	88.8	88.2	92.6	88.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.2	94.1	93.6	94.6	96.8	94.4	90.4	90.8	93.8	96.1	94.8	92.5	90.9	89.8	91.2

CQS: 92.5



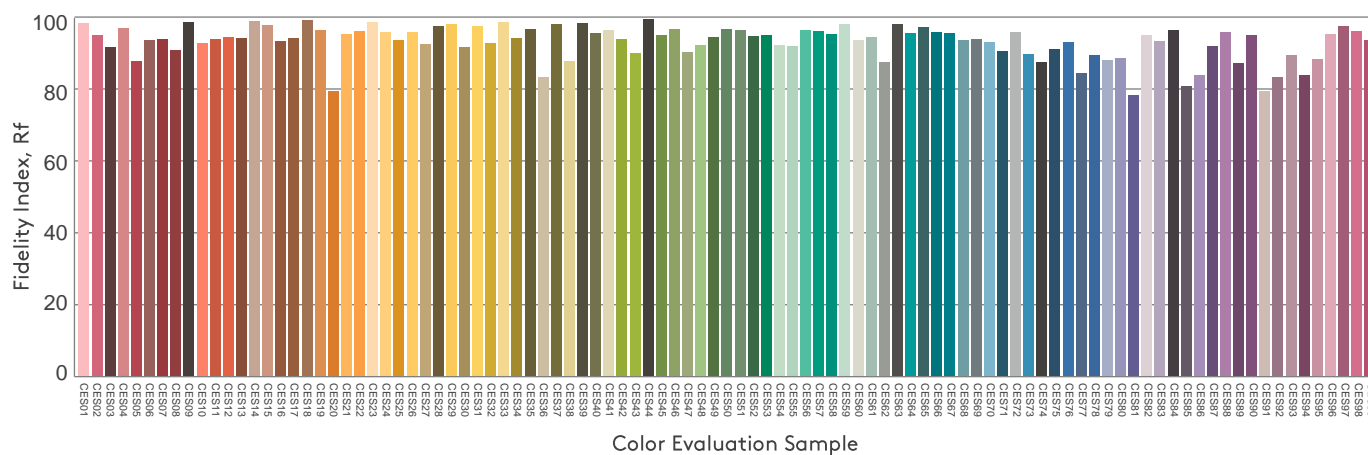
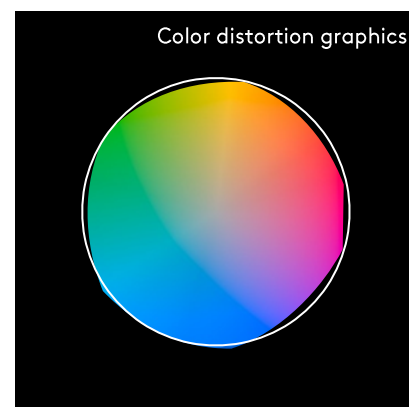
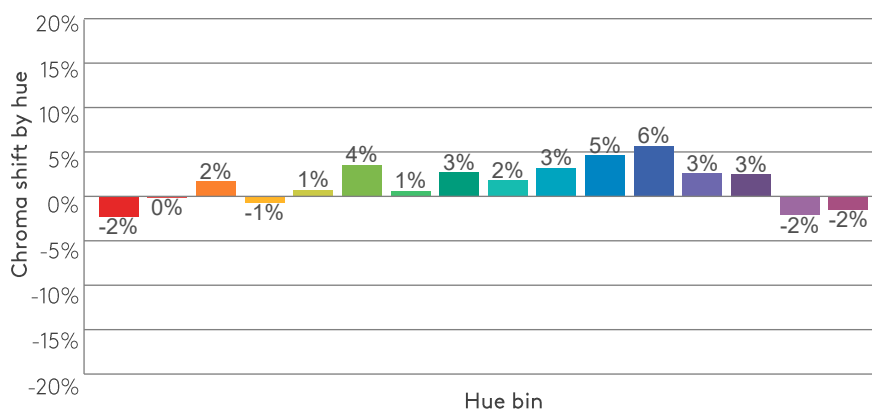
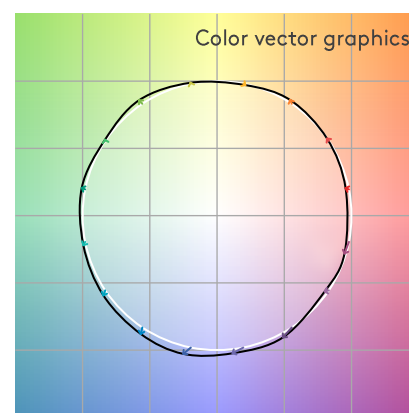
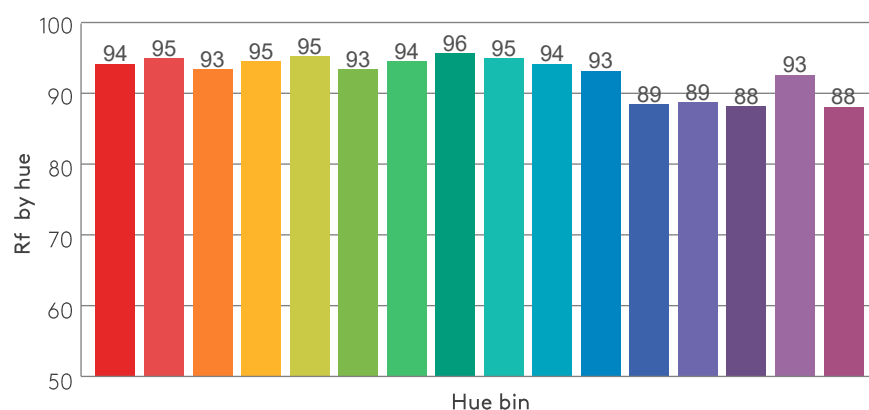
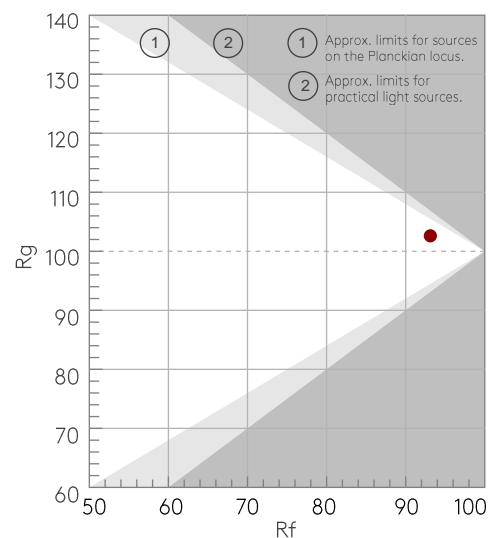
COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2656 K	92.8	82.4	93.1	102.6	92.5	0.452	0.390	0.267	0.345	-0.0071

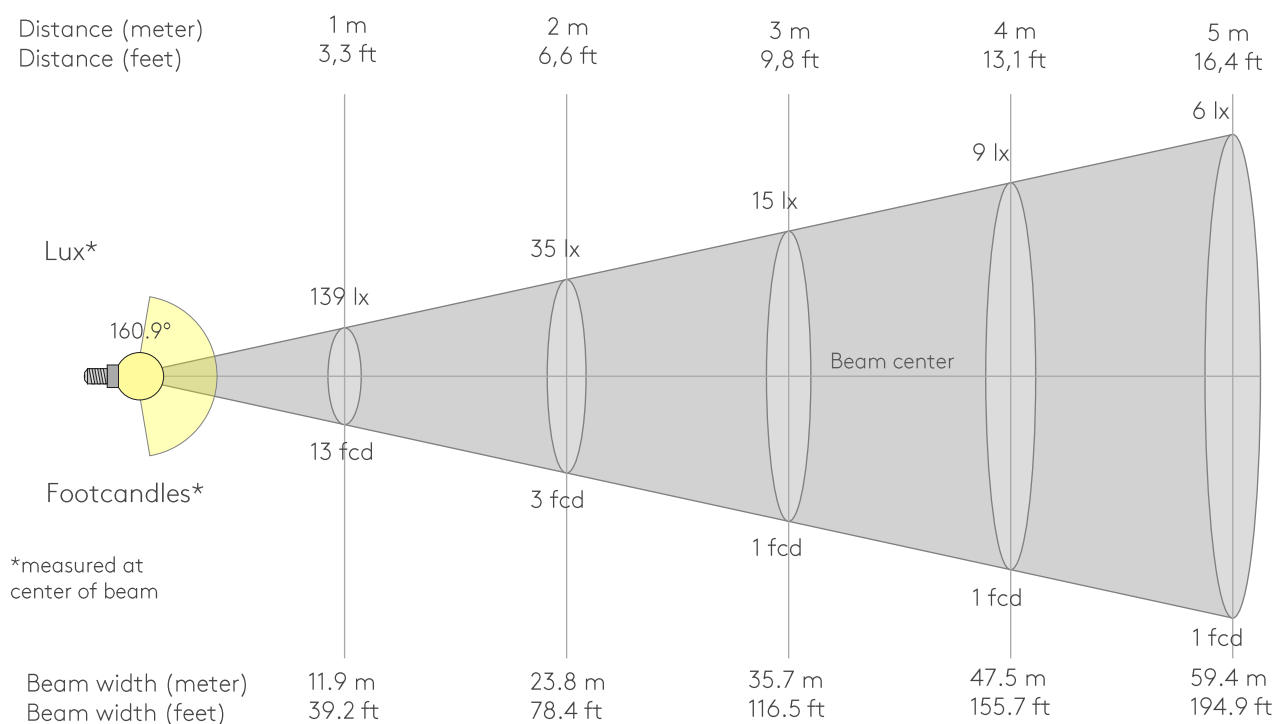
Rf 93.1
Fidelity index Rf

Rg 102.6
Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	1%
2	95	0%	2%
3	93	2%	3%
4	95	-1%	-2%
5	95	1%	0%
6	93	4%	1%
7	94	1%	-1%
8	96	3%	-1%
9	95	2%	2%
10	94	3%	2%
11	93	5%	2%
12	89	6%	-5%
13	89	3%	-9%
14	88	3%	-9%
15	93	-2%	-2%
16	88	-2%	-9%



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
139lx	35lx	15lx	9lx	6lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx
12.9fcd	3.2fcd	1.4fcd	0.8fcd	0.5fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
139	137	135	132	128	123	117	110	102	94	86	77	68	59	51	42	34	23	10	4
100%	99%	97%	95%	92%	89%	84%	79%	74%	68%	62%	55%	49%	43%	36%	30%	25%	17%	7%	3%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
139	138	132	122	109	93	76	57	38	19	6	5	5	5	5	5	5	5	5	5
100%	99%	95%	88%	78%	67%	55%	41%	27%	14%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%

Intensities in 180° c-plane

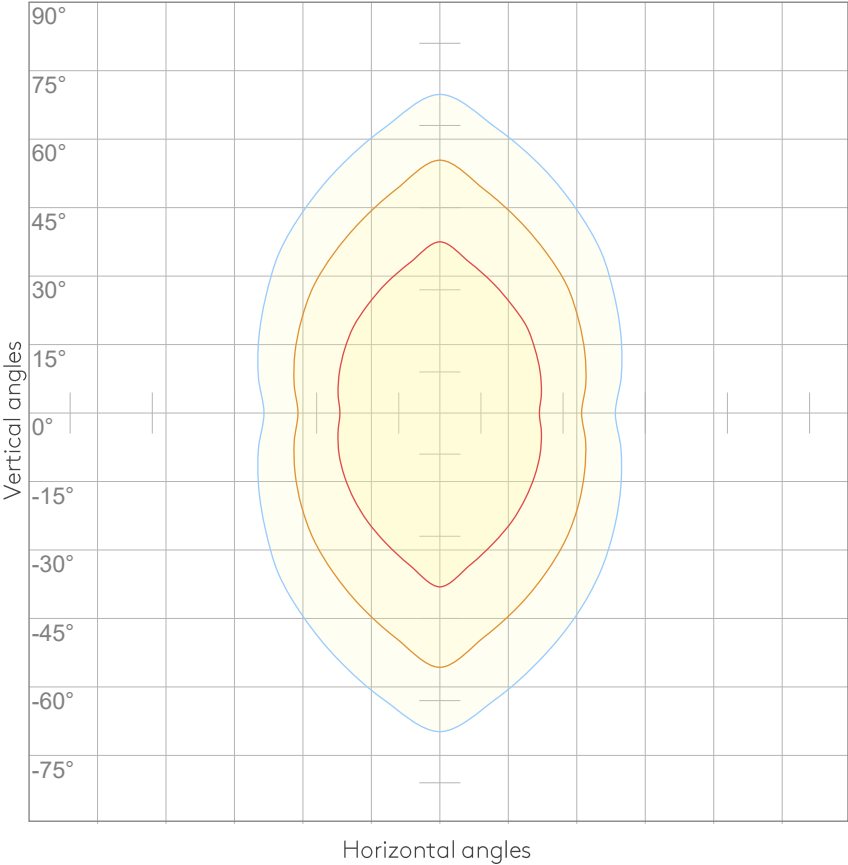
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
139	137	135	133	129	124	117	110	103	94	86	77	68	59	50	42	31	19	7	4
100%	99%	97%	95%	92%	89%	84%	79%	74%	68%	62%	55%	49%	42%	36%	30%	23%	14%	5%	3%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
139	138	132	122	109	93	76	57	39	20	6	5	5	5	5	5	5	5	5	5
100%	99%	95%	88%	78%	67%	55%	41%	28%	14%	4%	3%	3%	3%	3%	3%	4%	4%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
160.9°	268.8°	360°	46.0%	29.3%

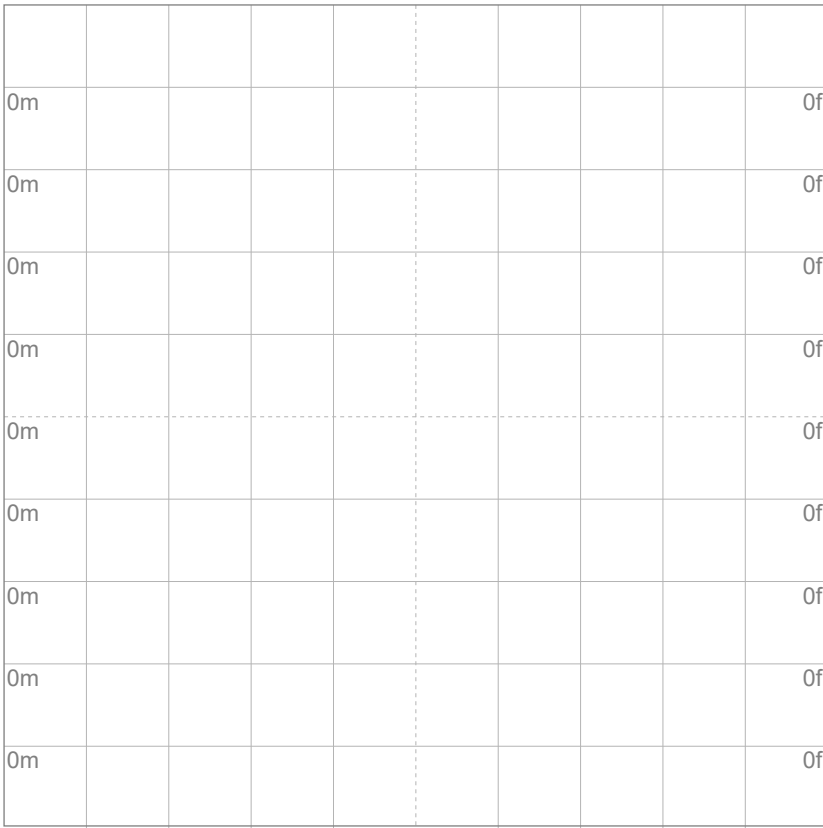
ISO CANDELA DIAGRAM



10%	14 cd
20%	28 cd
30%	42 cd
40%	56 cd
50%	70 cd
60%	83 cd
70%	97 cd
80%	111 cd
90%	125 cd

Conditions:
Number of c-planes: 8
Candela at center: 139 cd

ISO LUX DIAGRAM



3%	41.7m lx
5%	69.6m lx
10%	0.139 lx
30%	0.417 lx
50%	{LUX_10M50} lx

Conditions:
Number of c-planes: 8
Lux at center: 1.39 lx

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

Mounting height: 10 meters (33 feet)

GLARE EVALUATION ACCORDING TO UGR

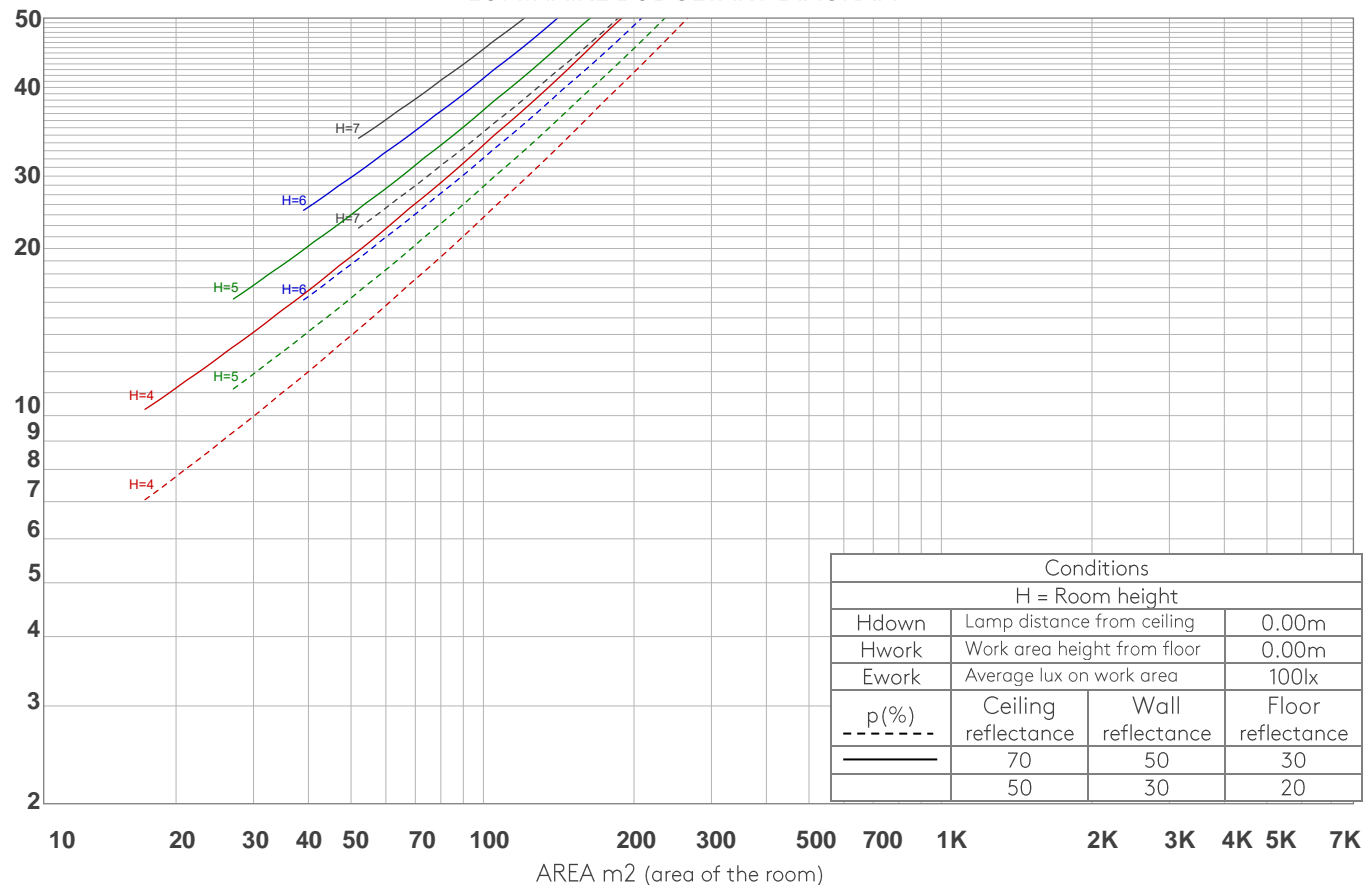
UGR data could not be calculated due to missing/wrong symmetry. Goto Edit->Photometric->Corrections and select Correct asymmetry.

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	99	93	88	83	94	89	84	79	79	76	72	71	68	65	63	61	59	55
2	89	80	72	65	84	75	68	62	68	62	57	60	56	52	54	50	47	43
3	81	69	60	53	76	65	57	50	59	52	46	52	47	42	47	42	38	35
4	73	60	51	44	69	57	49	42	51	44	39	46	40	35	41	36	32	29
5	67	53	44	37	63	51	42	36	46	38	33	41	35	30	37	32	27	25
6	62	48	38	32	58	45	37	31	41	34	28	37	31	26	33	28	24	21
7	57	43	34	28	54	41	33	27	37	30	25	33	27	23	30	25	21	18
8	53	39	30	24	50	37	29	23	34	27	22	31	25	20	27	22	19	16
9	49	36	27	22	46	34	26	21	31	24	19	28	22	18	25	20	17	15
10	46	33	25	19	43	31	24	19	29	22	17	26	20	16	23	19	15	13

LAMPS (number of lamps)

LUMINAIRE BUDGETARY DIAGRAM

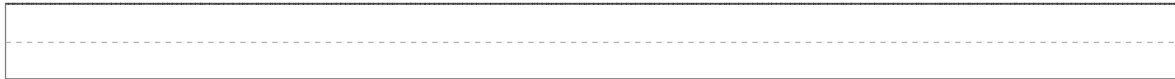


ZONAL LUMEN SUMMARY

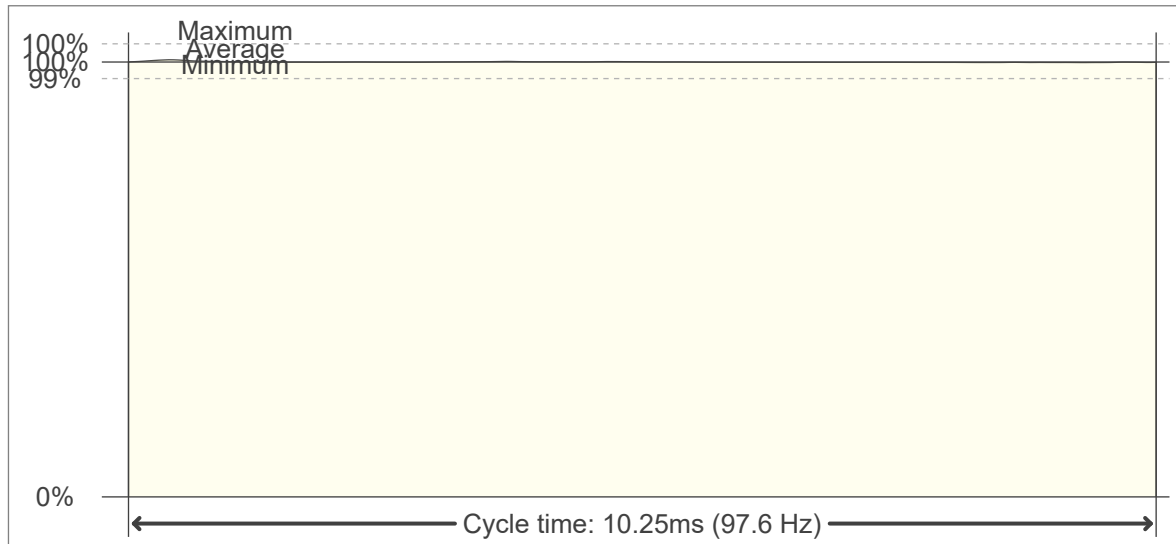
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
13.2 lm	38.2 lm	59.5 lm	75.2 lm	84.2 lm	86.5 lm	82.6 lm	74.0 lm	62.7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
53.2 lm	44.9 lm	36.4 lm	28.1 lm	19.3 lm	11.0 lm	4.91 lm	1.54 lm	0.436 lm

FLICKER

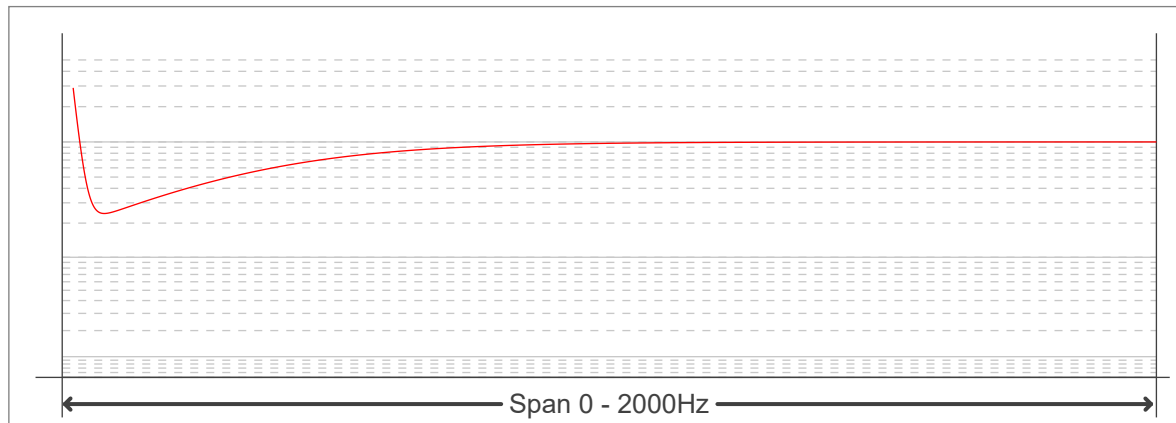
FLICKER CURVE (COMPLETE SAMPLED)



FLICKER FRAME (FRAME OF ONE FLICKER)



FLICKER FFT (FREQUENCY SCOPE OF FLICKER)



FLICKER RESULTS:

Flicker frequency:	97.56 Hz
Flicker index:	0
Flicker percentage:	0.41 %
SVM: (Visual flicker)	0

FLICKER CONDITIONS:

Sample rate:	20000 samples/second
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