

PHOTOMETRIC TEST REPORT

NOMAD WALL LIGHT

astro

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LIGHT EFFICIENCY:

24 Lumen/Watt

LIGHT QUALITY:

CRI: 92.2

COLOR TEMPERATURE:

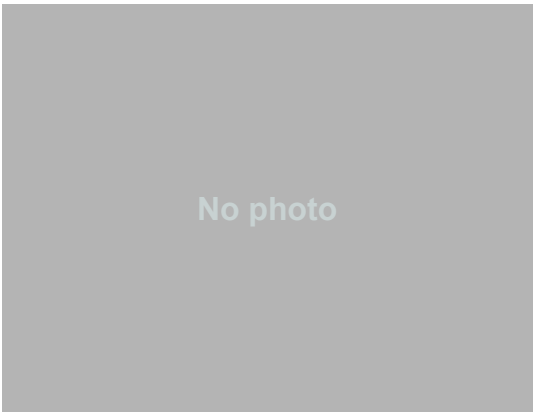
2795 K

OUTPUT: 311 lm

PEAK: 169 cd

POWER: 13.0 W

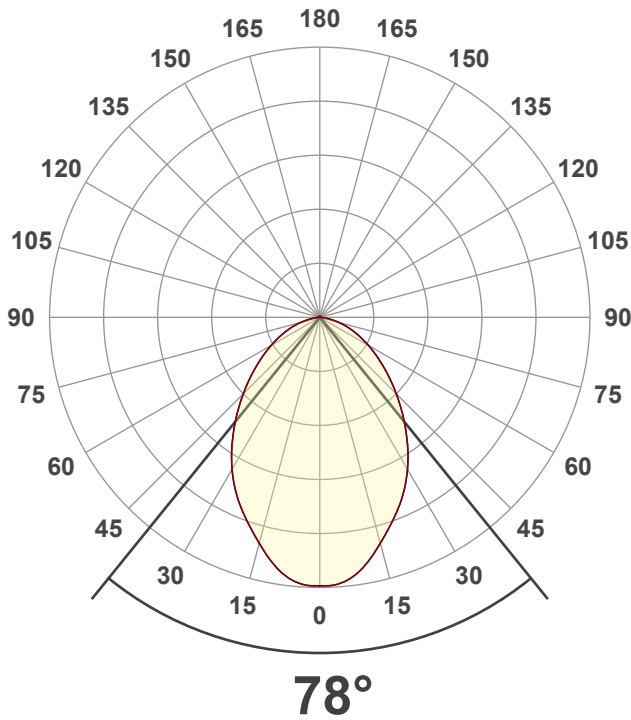
PF: 0.88



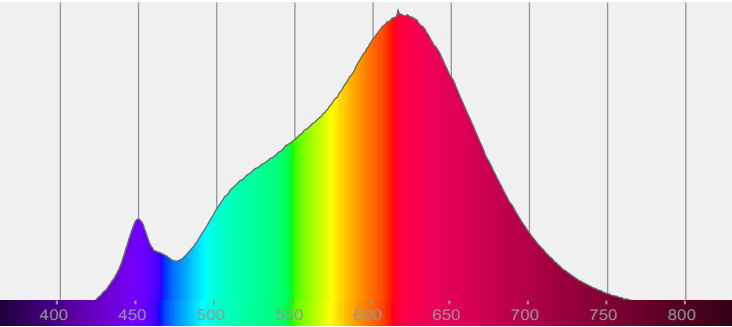
Tracking number: [n/a](#)

Product name:
Nomad Wall light
Item number:

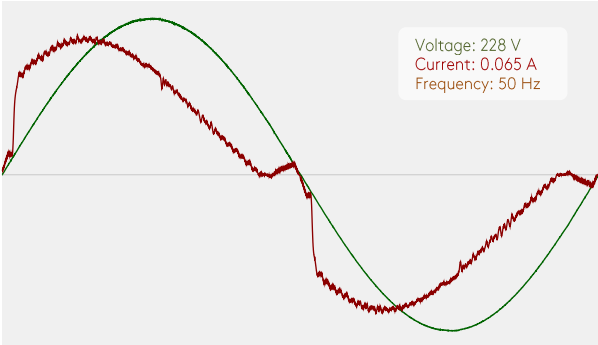
Date and time:
09/01/2026 11:06:44
Description:



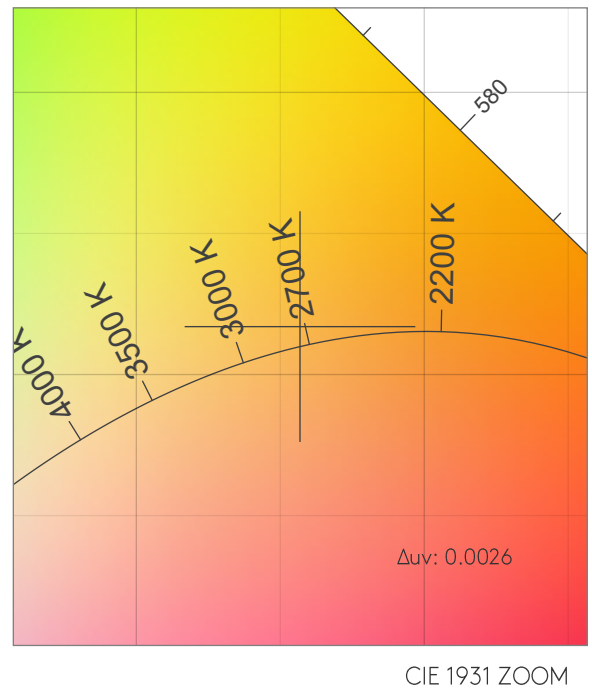
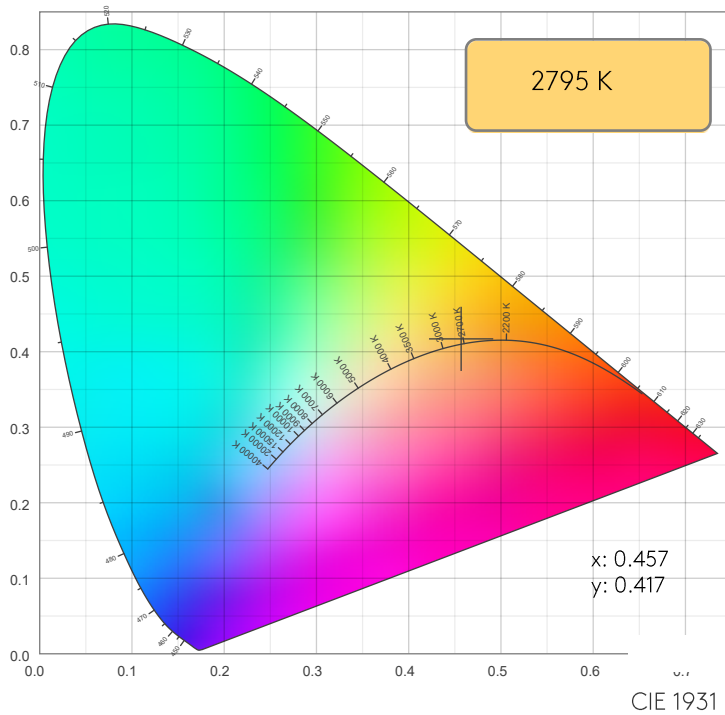
SPECTRA



POWER

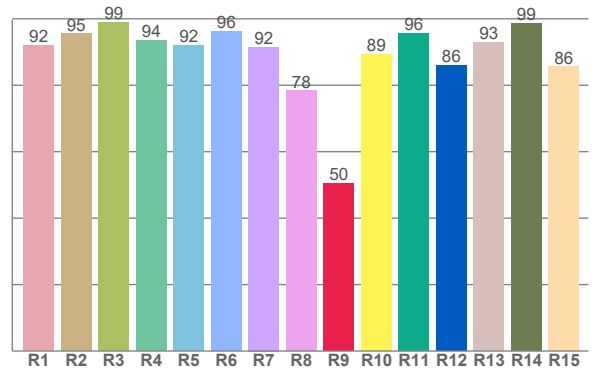
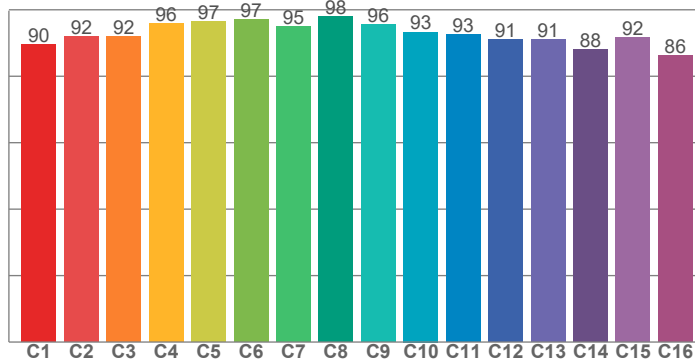


COLOR DETAILS



TM30: 92.9

CRI: 92.2 (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
91.9	95.5	98.9	93.6	91.9	96.2	91.5	78.3	50.4	89.3	95.6	85.9	92.8	98.6	85.5

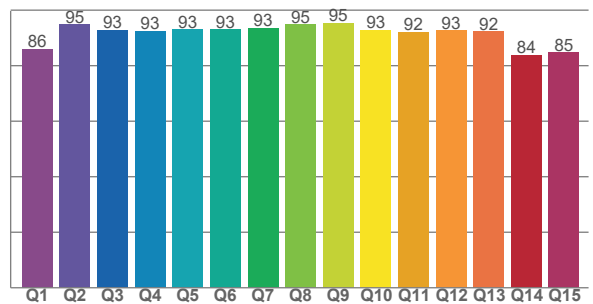
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	92.0	91.9	95.9	96.5	97.1	94.9	98.0	95.7	93.3	92.7	91.1	91.0	88.0	91.6	86.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.1	94.7	92.8	92.5	92.9	93.0	93.5	94.8	95.4	92.9	92.2	92.7	92.3	83.8	84.8

CQS: 90.7



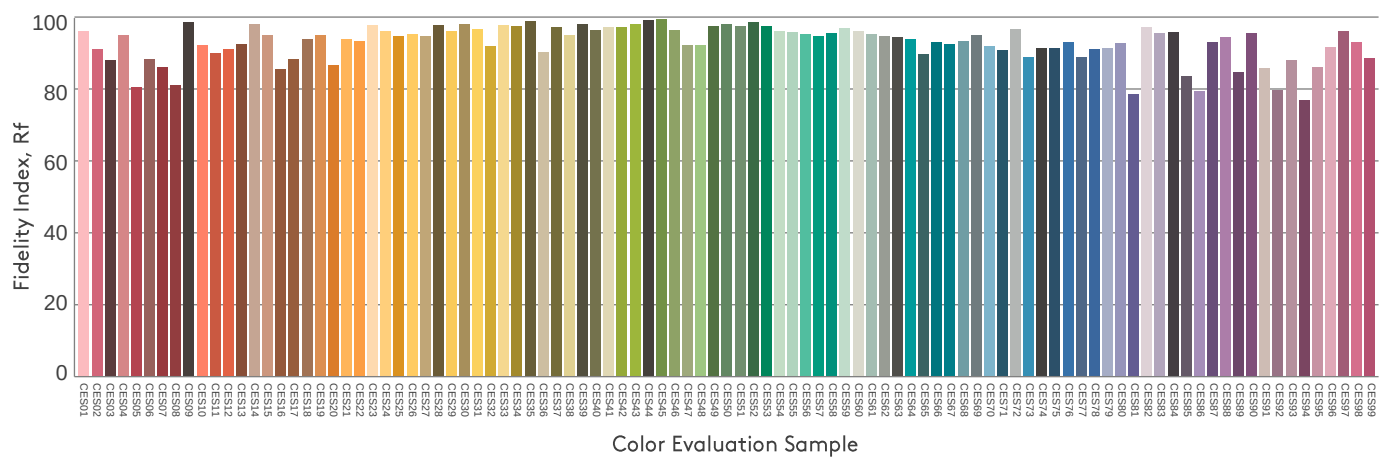
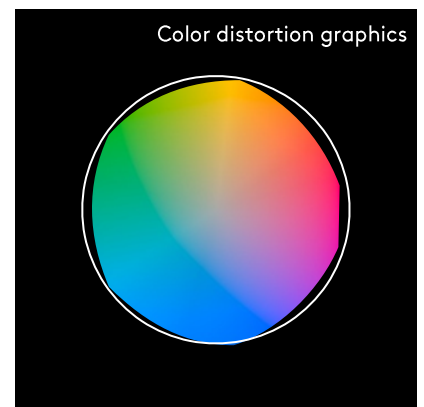
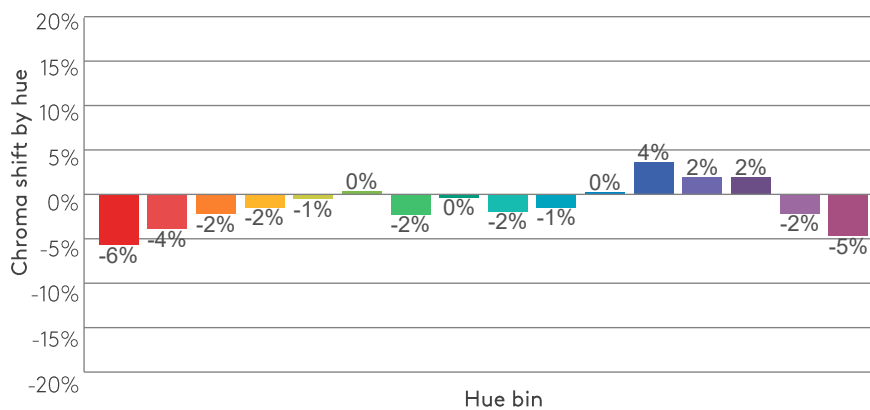
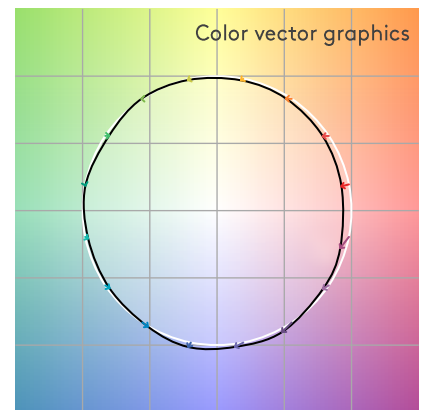
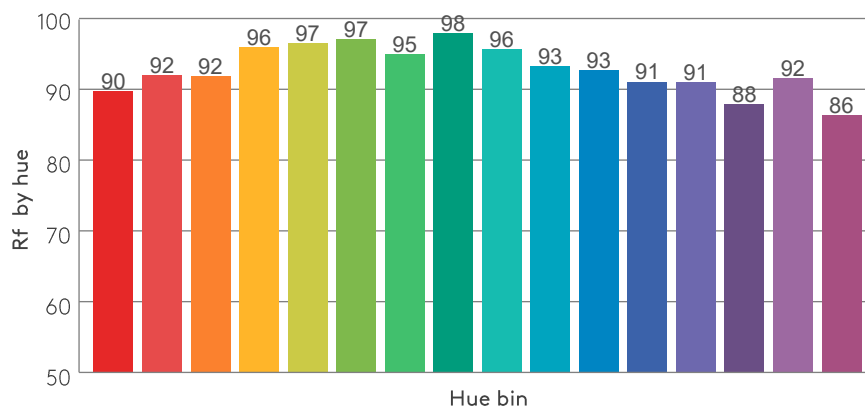
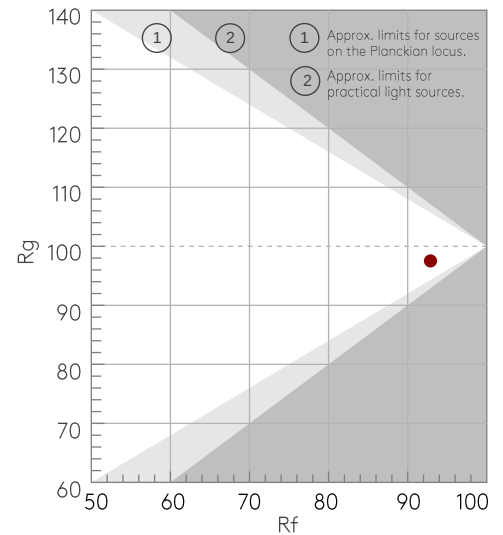
COLOR PARAMETERS

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
2795 K	92.2	50.4	92.9	97.5	90.7	0.457	0.417	0.258	0.353	0.0026

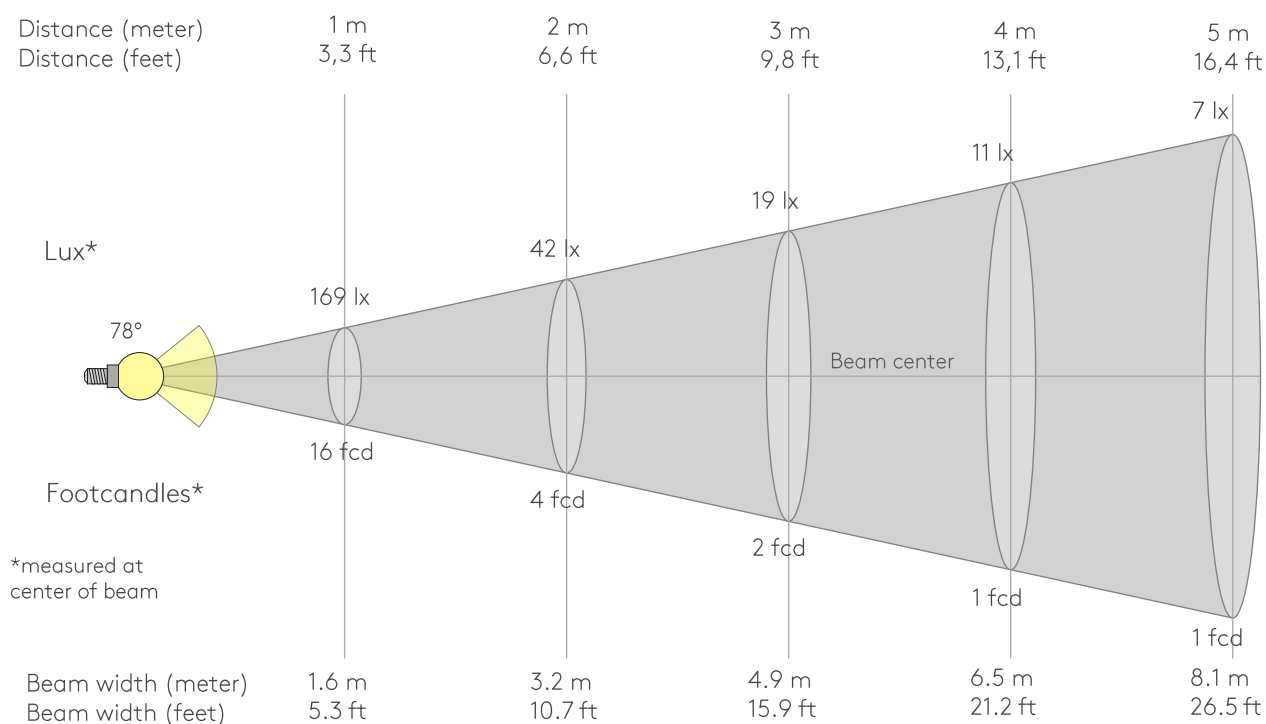
Rf 92.9
Fidelity index Rf

Rg 97.5
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-6%	0%
2	92	-4%	2%
3	92	-2%	4%
4	96	-2%	1%
5	97	-1%	2%
6	97	0%	1%
7	95	-2%	-2%
8	98	0%	1%
9	96	-2%	2%
10	93	-1%	4%
11	93	0%	5%
12	91	4%	-1%
13	91	2%	-7%
14	88	2%	-10%
15	92	-2%	-5%
16	86	-5%	-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
169lx	42lx	19lx	11lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15.7fcd	3.9fcd	1.7fcd	1fcd	0.6fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd

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°
169	167	159	147	135	124	110	96	82	68	56	45	35	27	19	12	6	2	0	0
100%	99%	94%	87%	80%	73%	65%	57%	48%	40%	33%	27%	21%	16%	11%	7%	4%	1%	0%	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°
169	167	159	147	135	124	110	96	82	68	56	45	35	27	19	12	6	2	0	0
100%	99%	94%	87%	80%	73%	65%	57%	48%	40%	33%	27%	21%	16%	11%	7%	4%	1%	0%	0%

Intensities in 180° c-plane

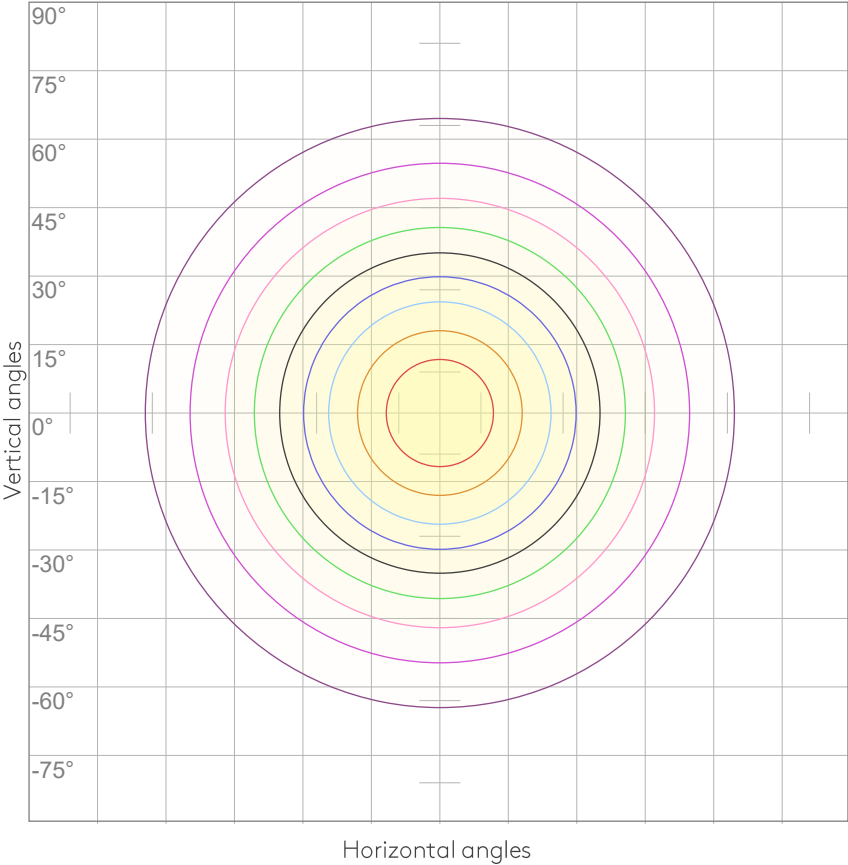
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
169	167	159	147	135	124	110	96	82	68	56	45	35	27	19	12	6	2	0	0
100%	99%	94%	87%	80%	73%	65%	57%	48%	40%	33%	27%	21%	16%	11%	7%	4%	1%	0%	0%

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°
169	167	159	147	135	124	110	96	82	68	56	45	35	27	19	12	6	2	0	0
100%	99%	94%	87%	80%	73%	65%	57%	48%	40%	33%	27%	21%	16%	11%	7%	4%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
78°	143.4°	164.2°	85.6%	64.6%

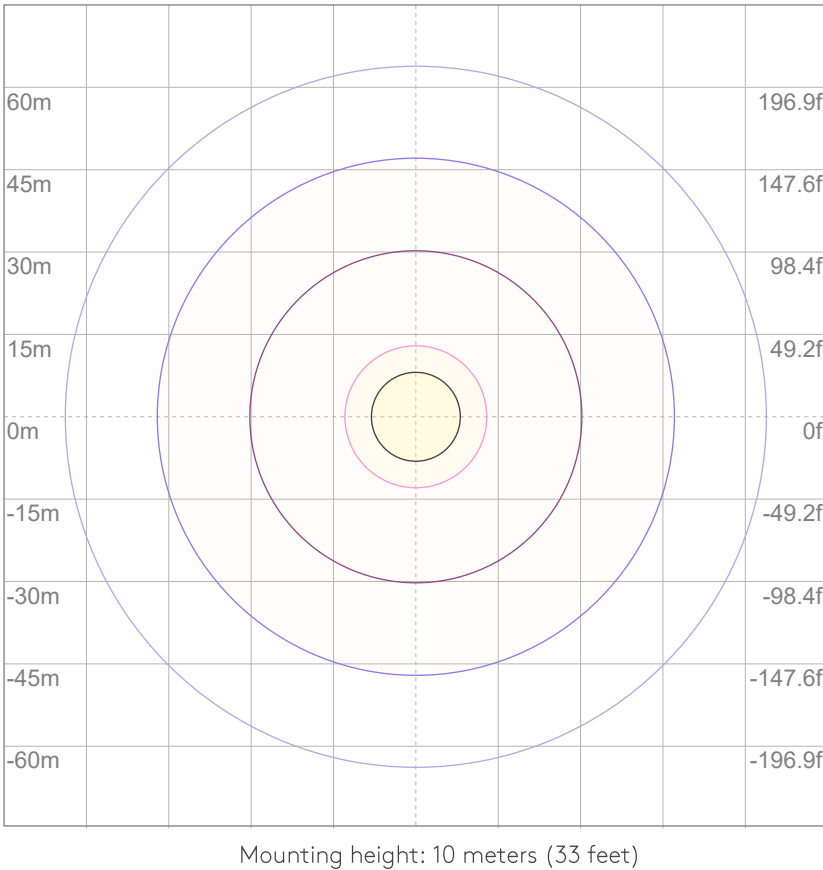
ISO CANDELA DIAGRAM



10%	17 cd
20%	34 cd
30%	51 cd
40%	68 cd
50%	85 cd
60%	101 cd
70%	118 cd
80%	135 cd
90%	152 cd

Conditions:
Number of c-planes: 8
Candela at center: 169 cd

ISO LUX DIAGRAM



3%	50.7m lx
5%	84.5m lx
10%	0.169 lx
30%	0.507 lx
50%	{LUX_10M50} lx

Conditions:
Number of c-planes: 8
Lux at center: 1.69 lx

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

UGR

GLARE EVALUATION ACCORDING TO UGR

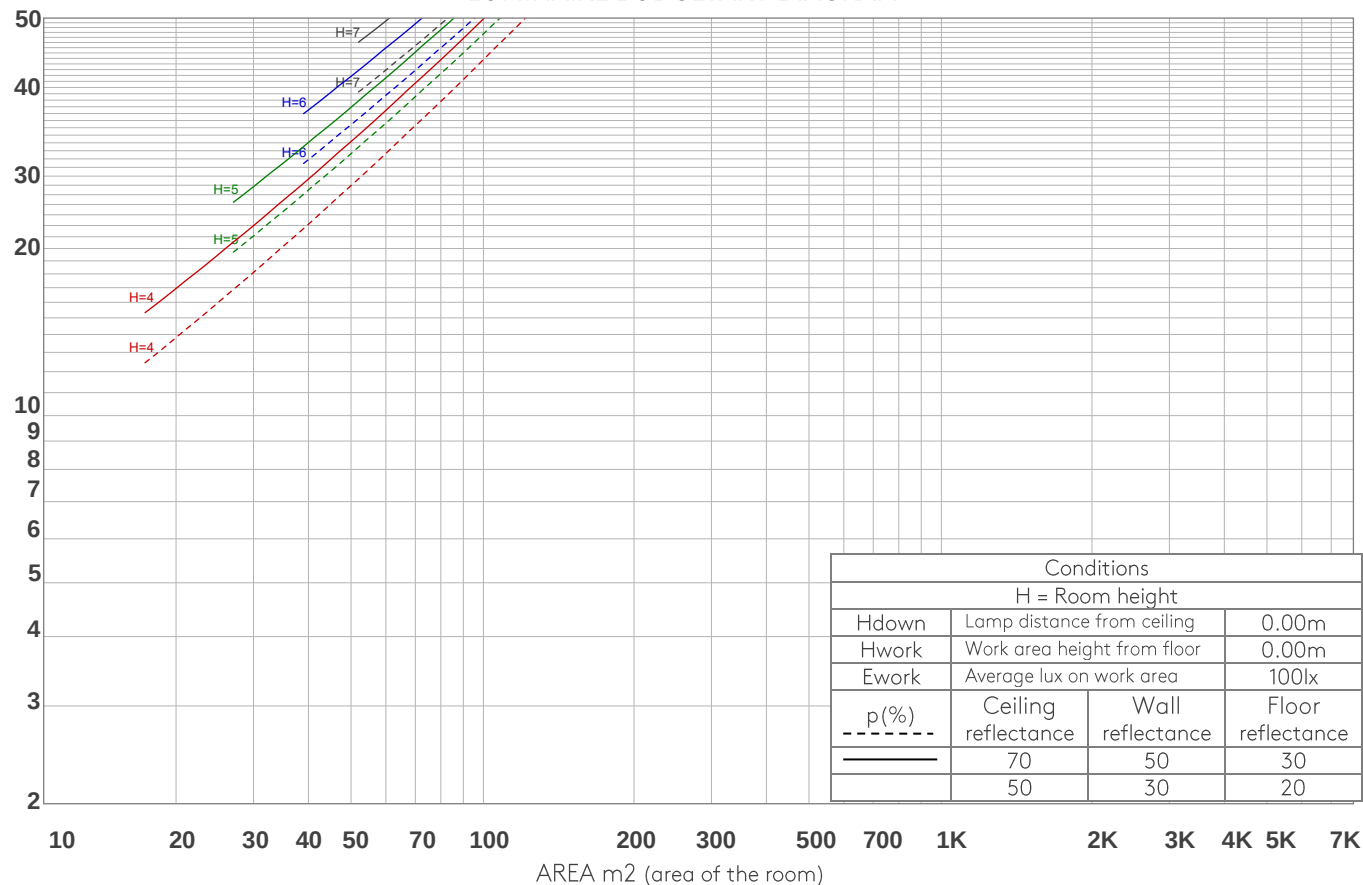
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	16.2	17.2	16.4	17.5	17.7	16.2	17.2	16.4	17.5	17.7
	3H	17.1	18.2	17.5	18.5	18.7	17.1	18.2	17.5	18.5	18.7
	4H	17.5	18.6	17.9	18.9	19.1	17.5	18.6	17.9	18.9	19.1
	6H	17.8	18.7	18.1	19.0	19.4	17.8	18.7	18.1	19.0	19.4
	8H	17.8	18.7	18.2	19.1	19.5	17.8	18.7	18.2	19.1	19.5
	12H	17.8	18.7	18.2	19.0	19.5	17.8	18.7	18.2	19.0	19.5
4H	2H	16.6	17.6	17.0	17.9	18.2	16.6	17.6	17.0	17.9	18.2
	3H	17.9	18.7	18.2	19.1	19.5	17.9	18.7	18.2	19.1	19.5
	4H	18.3	19.1	18.7	19.5	20.0	18.3	19.1	18.7	19.5	20.0
	6H	18.6	19.4	19.1	19.7	20.1	18.6	19.4	19.1	19.7	20.1
	8H	18.7	19.4	19.2	19.7	20.1	18.7	19.4	19.2	19.7	20.1
	12H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
8H	4H	18.5	19.2	19.0	19.5	19.9	18.5	19.2	19.0	19.5	19.9
	6H	18.9	19.4	19.4	19.8	20.4	18.9	19.4	19.4	19.8	20.4
	8H	19.0	19.4	19.5	20.0	20.6	19.0	19.4	19.5	20.0	20.6
	12H	19.0	19.4	19.6	19.9	20.5	19.0	19.4	19.6	19.9	20.5
12H	4H	18.4	19.0	18.9	19.4	19.9	18.4	19.0	18.9	19.4	19.9
	6H	18.9	19.3	19.4	19.9	20.5	18.9	19.3	19.4	19.9	20.5
	8H	19.0	19.4	19.6	19.9	20.5	19.0	19.4	19.6	19.9	20.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.2					0.1 / -0.2				
S = 1.5H		0.3 / -0.6					0.3 / -0.6				
S = 2.0H		0.8 / -1.0					0.8 / -1.0				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 311 lm total luminous flux											

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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	66	64
4	86	75	68	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46	44
7	69	57	49	43	68	56	48	43	54	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	44	39	35	33
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	42	36	32	30

LAMPS (number of lamps)

LUMINAIRE BUDGETARY DIAGRAM



ZONAL LUMEN SUMMARY

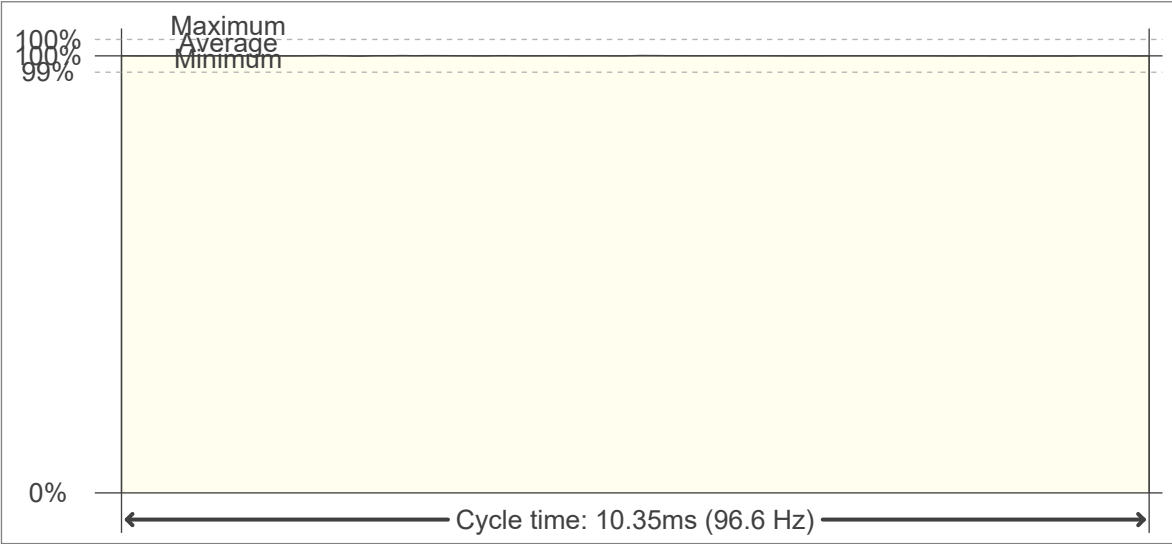
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
15.7 lm	41.4 lm	56.6 lm	60.0 lm	52.6 lm	40.2 lm	26.8 lm	13.2 lm	2.71 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.297 lm	0.263 lm	0.261 lm	0.294 lm	0.325 lm	0.315 lm	0.262 lm	0.176 lm	0.062 lm

FLICKER

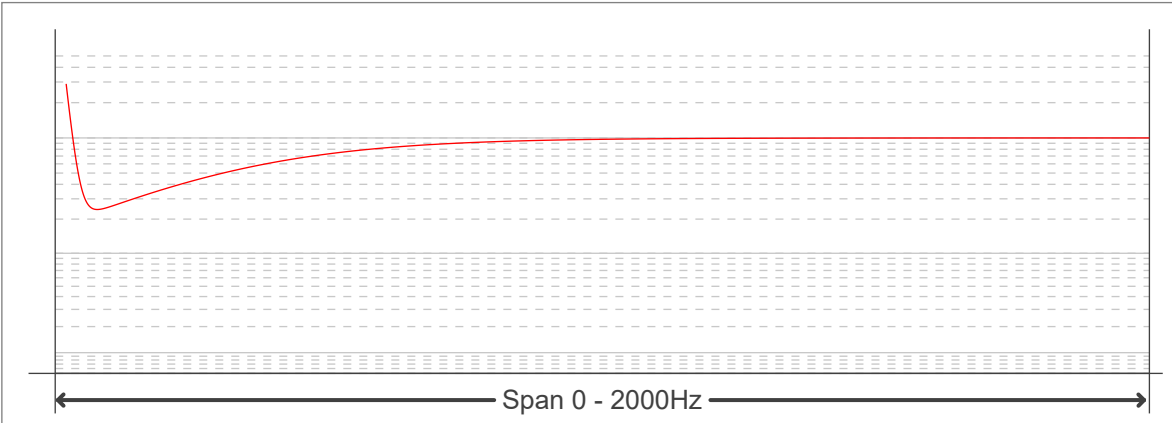
FLICKER CURVE (COMPLETE SAMPLED)



FLICKER FRAME (FRAME OF ONE FLICKER)



FLICKER FFT (FREQUENCY SCOPE OF FLICKER)



FLICKER RESULTS:

Flicker frequency:	96.62 Hz
Flicker index:	0
Flicker percentage:	0.14 %
SVM: (Visual flicker)	0

FLICKER CONDITIONS:

Sample rate:	20000 samples/second
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