

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 98,0

Color temperature:

2656 K

Output: 3252 lm

Peak: 1793 cd

Power: 42,4 W

PF: 0,81



Tracking number: [\[TRACK_NUM\]](#)

Product name:

Reflect Bi-Color 4 - Foot - 2700K No Diff.

Item number:

Date and time:

27/01/2022 17.29.13

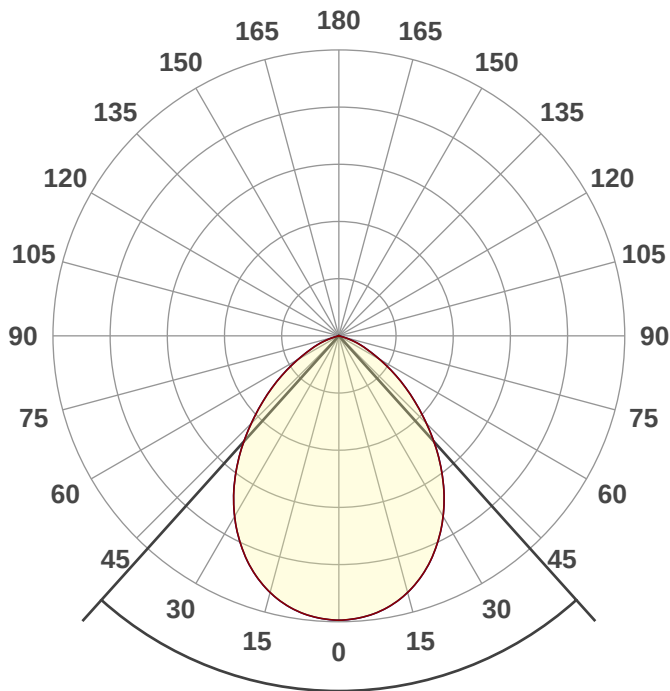
Description:

Measured in 12 planes

Maasured by Karsten Lindorff

4 - Foot 2700K

No Diffusor



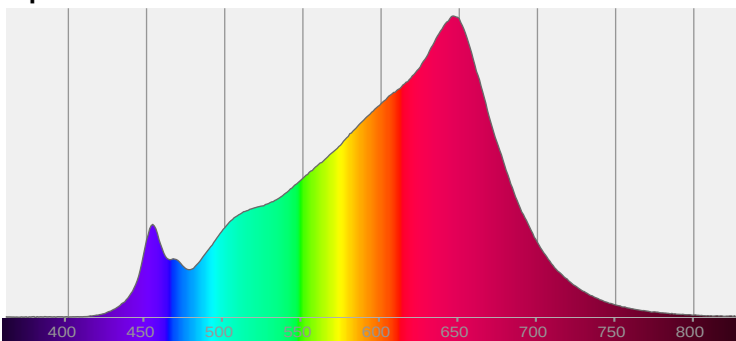
Beam angle

83,9°

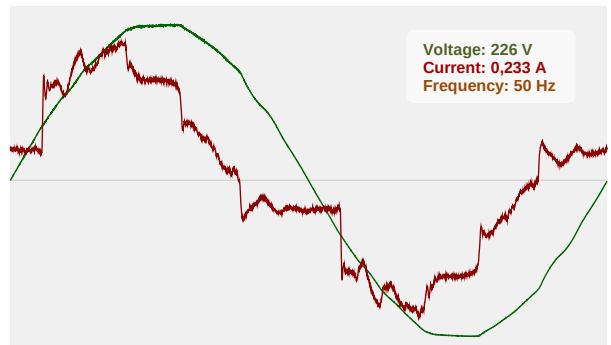


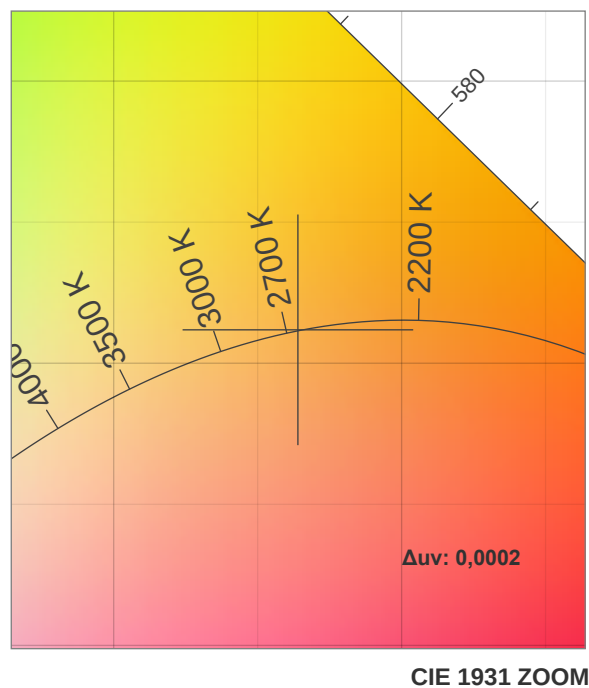
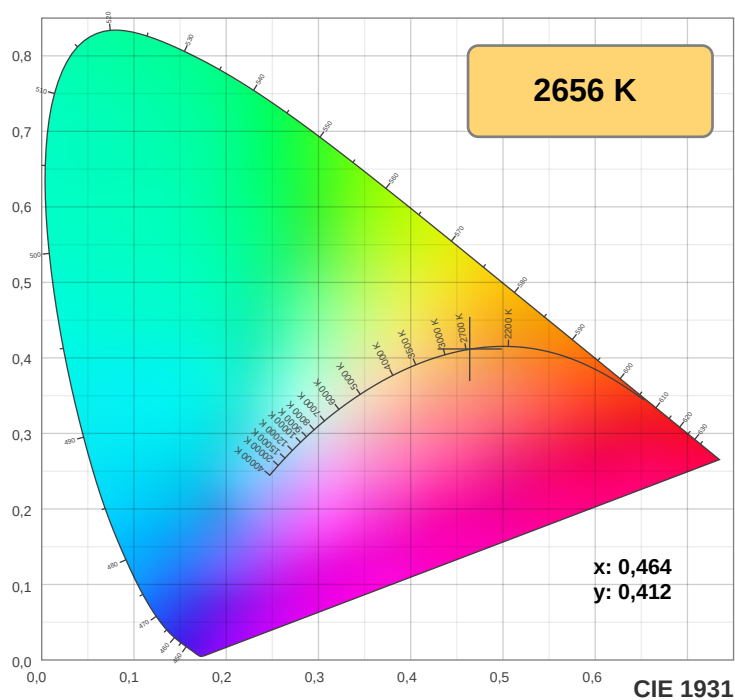
CIE 1931
x: 0,464
y: 0,412

Spectra

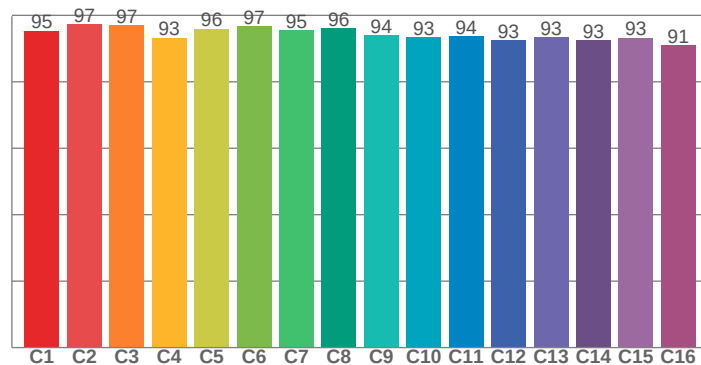


Power

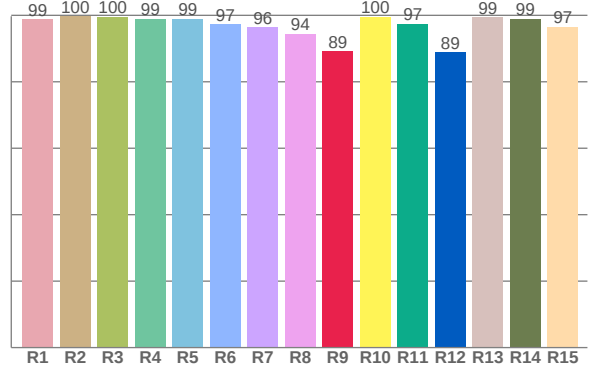




TM-30: 94,5



CRI: 98,0 (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
98,8	99,8	99,6	99,0	99,0	97,2	96,3	94,5	89,3	99,5	97,5	89,0	99,4	99,0	96,5

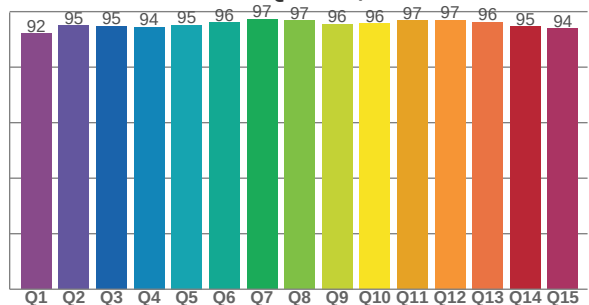
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	97,2	97,0	93,3	96,0	96,7	95,4	96,1	94,0	93,4	93,7	92,5	93,4	92,5	93,2	91,0

CQS Q values

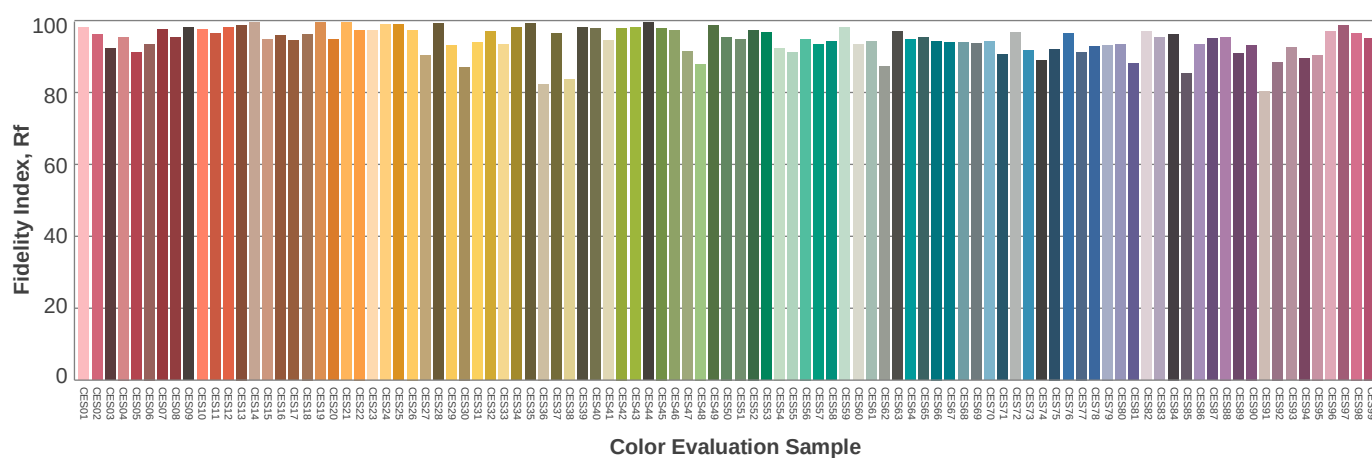
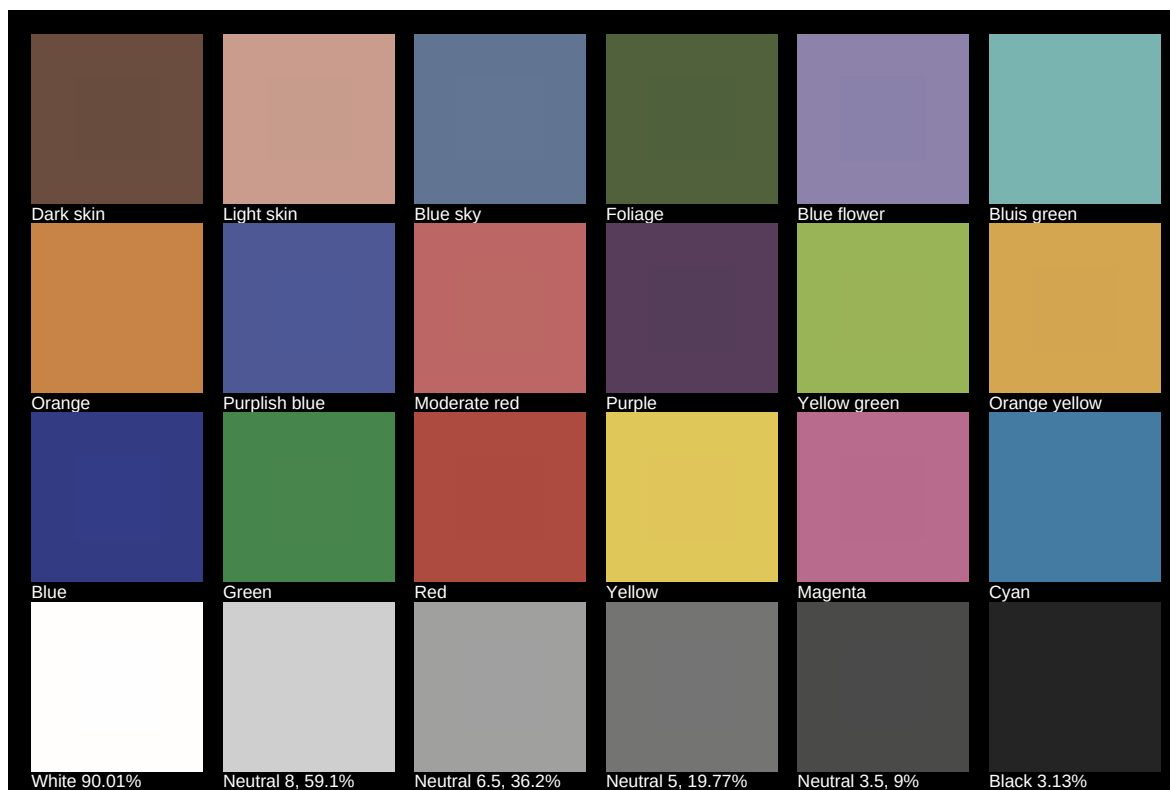
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,0	94,9	94,7	94,4	95,1	96,1	97,3	96,7	95,6	95,7	96,8	97,0	96,2	94,6	93,8

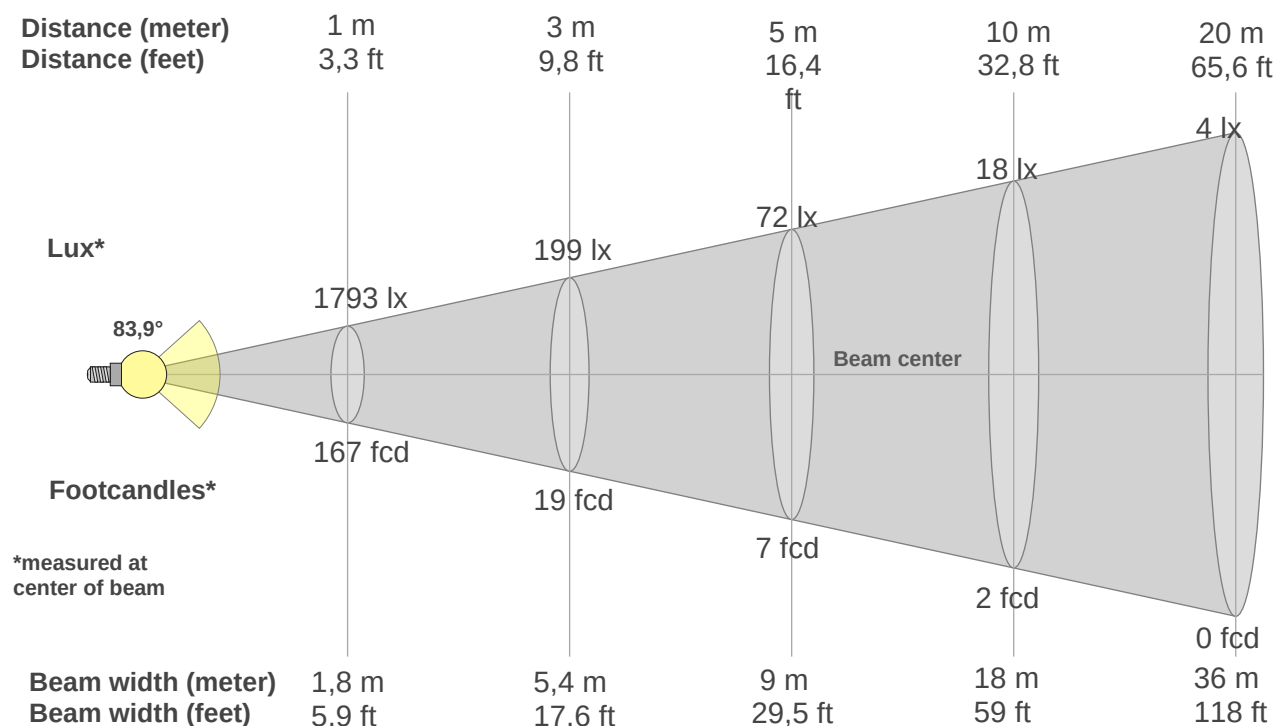
CQS: 95,0



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	98,0	89,3	94,5	99,1	95,0	0,464	0,412	0,265	0,352	0,0002




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
1793lx	448lx	199lx	112lx	72lx	50lx	37lx	28lx	22lx	18lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx
166,6fcd	41,6fcd	18,5fcd	10,4fcd	6,7fcd	4,6fcd	3,4fcd	2,6fcd	2,1fcd	1,7fcd	1,4fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd

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°
1793	1779	1742	1675	1581	1459	1315	1150	970	782	605	443	298	186	100	23	2	2	1	0
100%	99%	97%	93%	88%	81%	73%	64%	54%	44%	34%	25%	17%	10%	6%	1%	0%	0%	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°
1793	1779	1742	1675	1581	1459	1315	1150	970	782	605	443	298	186	100	23	2	2	1	0
100%	99%	97%	93%	88%	81%	73%	64%	54%	44%	34%	25%	17%	10%	6%	1%	0%	0%	0%	0%

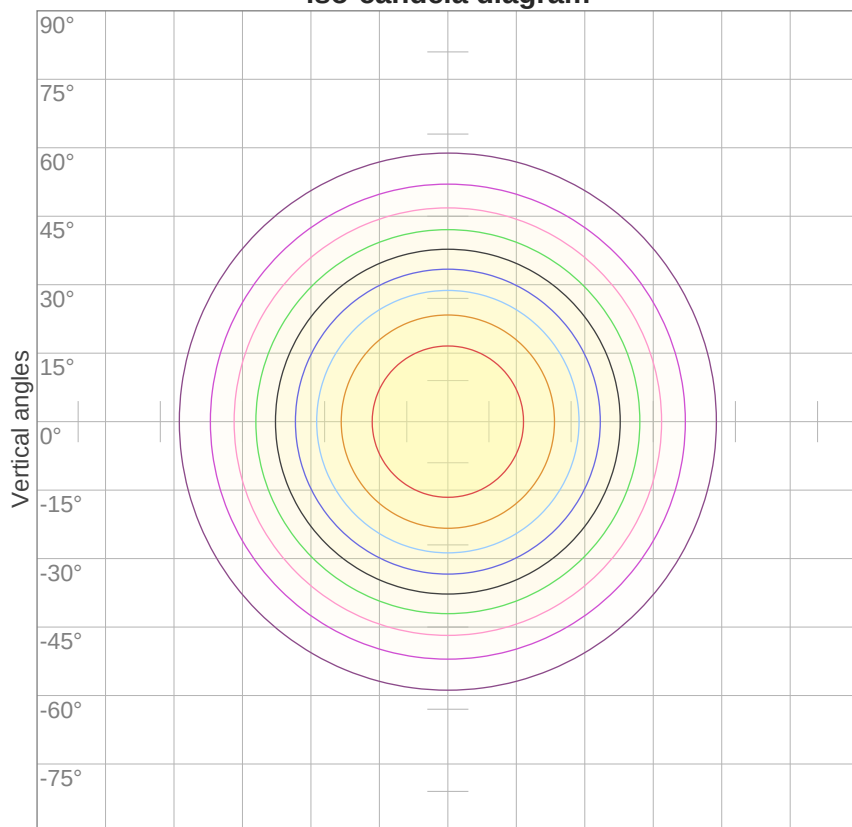
Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1793	1779	1742	1675	1581	1459	1315	1150	970	782	605	443	298	186	100	23	2	2	1	0
100%	99%	97%	93%	88%	81%	73%	64%	54%	44%	34%	25%	17%	10%	6%	1%	0%	0%	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°
1793	1779	1742	1675	1581	1459	1315	1150	970	782	605	443	298	186	100	23	2	2	1	0
100%	99%	97%	93%	88%	81%	73%	64%	54%	44%	34%	25%	17%	10%	6%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
83,9°	130,8°	146,2°	93,1%	72,3%

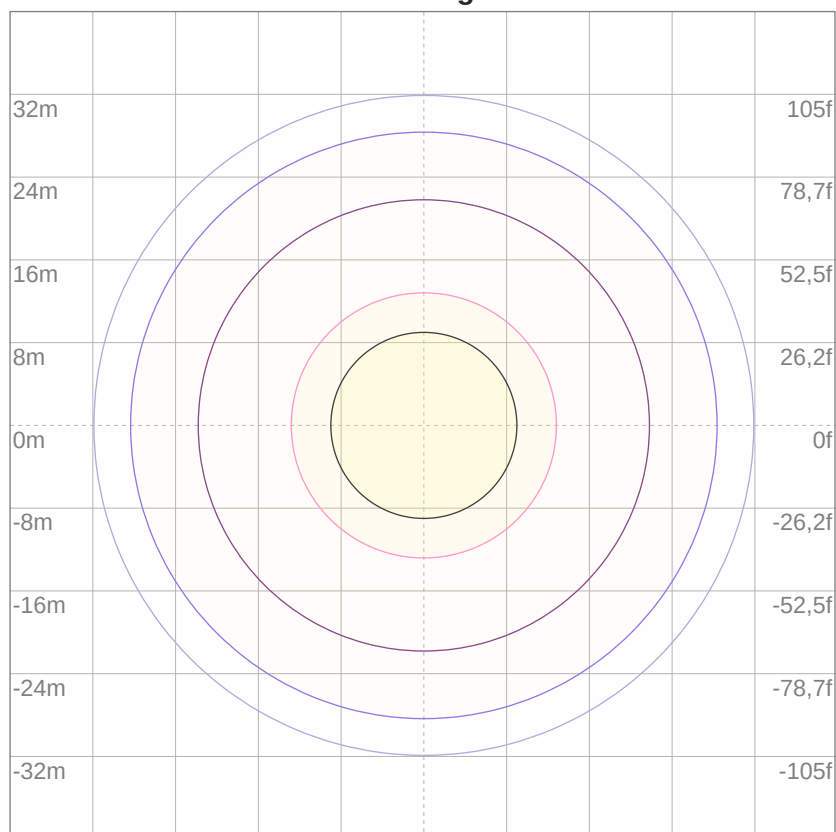
iso-candela diagram


10%	179 cd
20%	359 cd
30%	538 cd
40%	717 cd
50%	896 cd
60%	1076 cd
70%	1255 cd
80%	1434 cd
90%	1614 cd

Conditions:

Number of c-planes: 24

Candela at center: 1793 cd

iso-lux diagram


3%	0,538 lx
5%	0,896 lx
10%	1,79 lx
30%	5,38 lx
50%	8,96 lx

Conditions:

Number of c-planes: 24

Lux at center: 17,9 lx

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