

# COB Cannon LP200STX

Light Efficiency:

7 Lumen/Watt

Light Quality:

CRI: -9.7

Color Temperature:

1338 K

Output: 212 lm

Peak: 229 cd

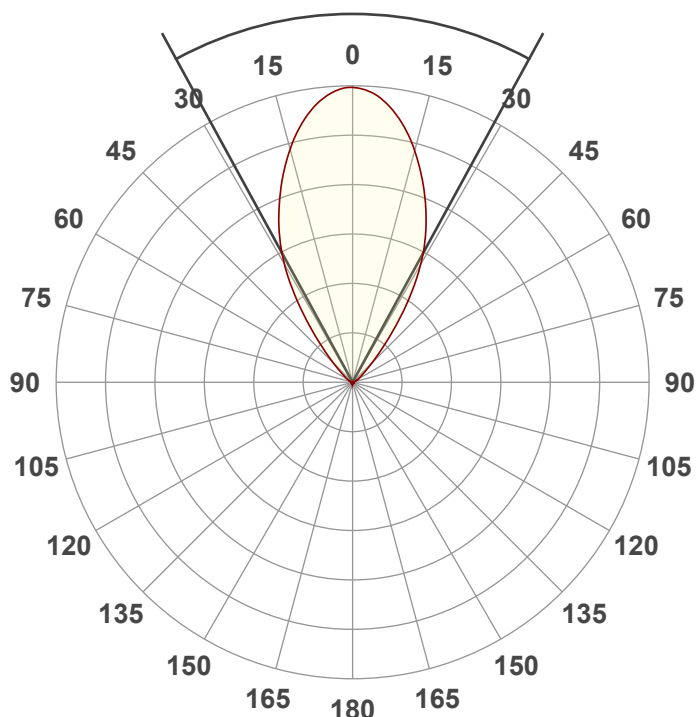
Power: 31.8 W

PF: 0.95



Beam Angle

57.3°



CIE 1931  
x: 0.612  
y: 0.386

Product Name:

COB Cannon LP200STX

Test:

Amber

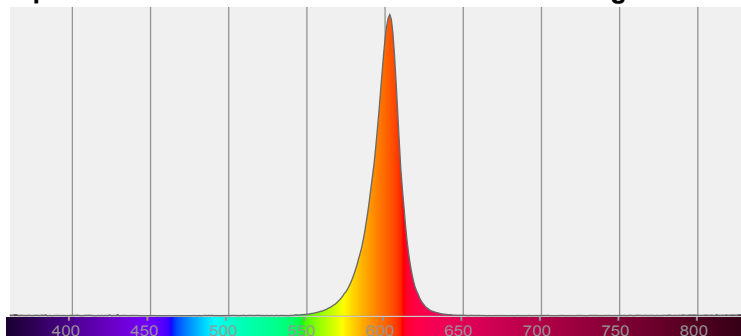
Date:

01/28/2025

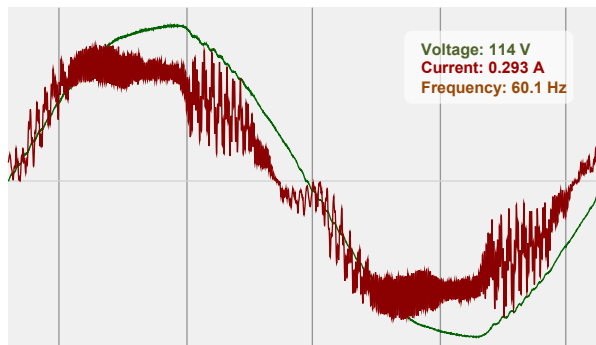
Note:

Spectra

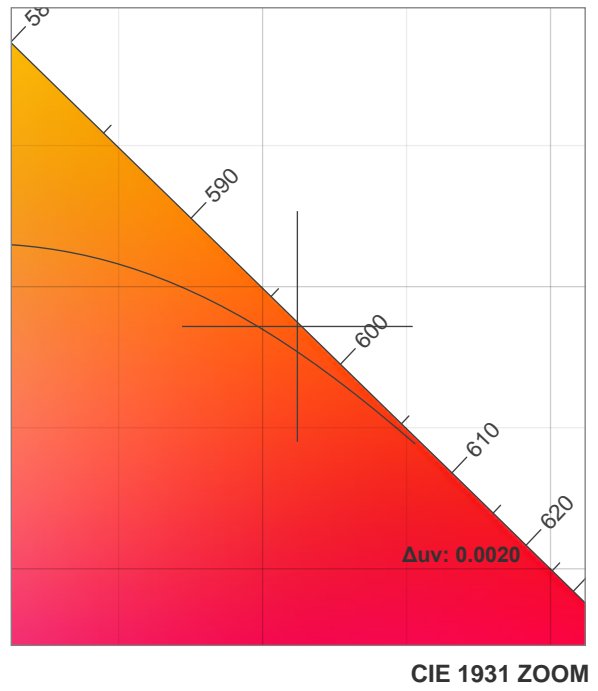
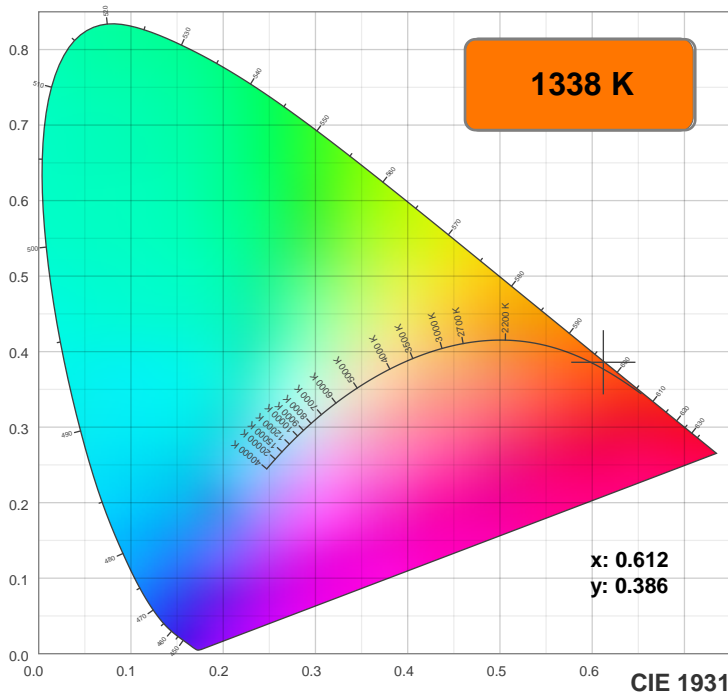
Dominant Wavelength: 597nm



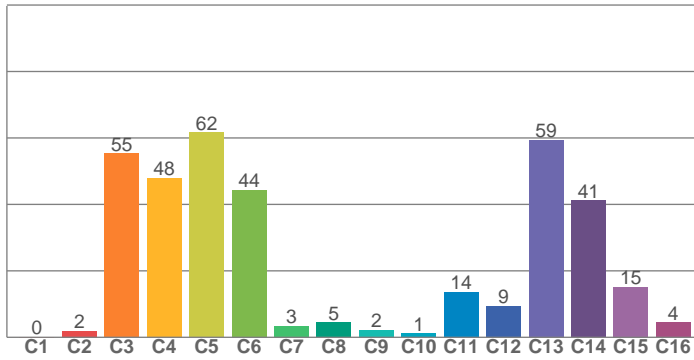
Power



## Color Details



TM30: 9.6



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
-16.6	63.3	18.2	-53.0	-26.4	63.6	-6.4	-120.6	-331.3	47.8	-70.5	29.2	2.7	48.9	-51.9

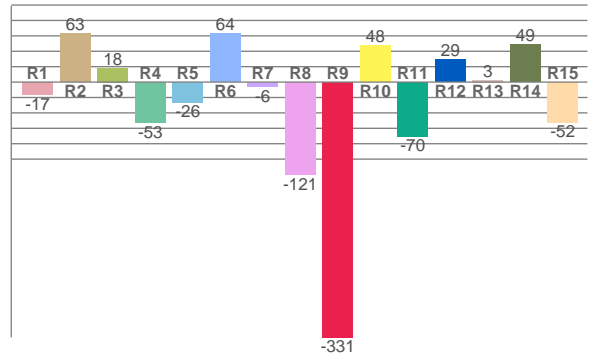
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.1	1.9	55.3	48.0	61.6	44.3	3.5	4.5	2.3	1.1	13.6	9.4	59.4	41.1	15.1	4.4

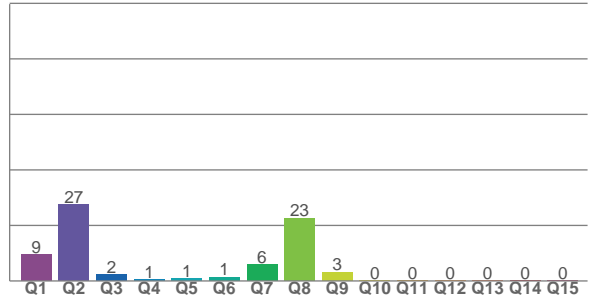
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
9.4	27.5	2.4	0.5	0.8	1.3	5.9	22.6	3.2	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -9.7 (R1-R8)



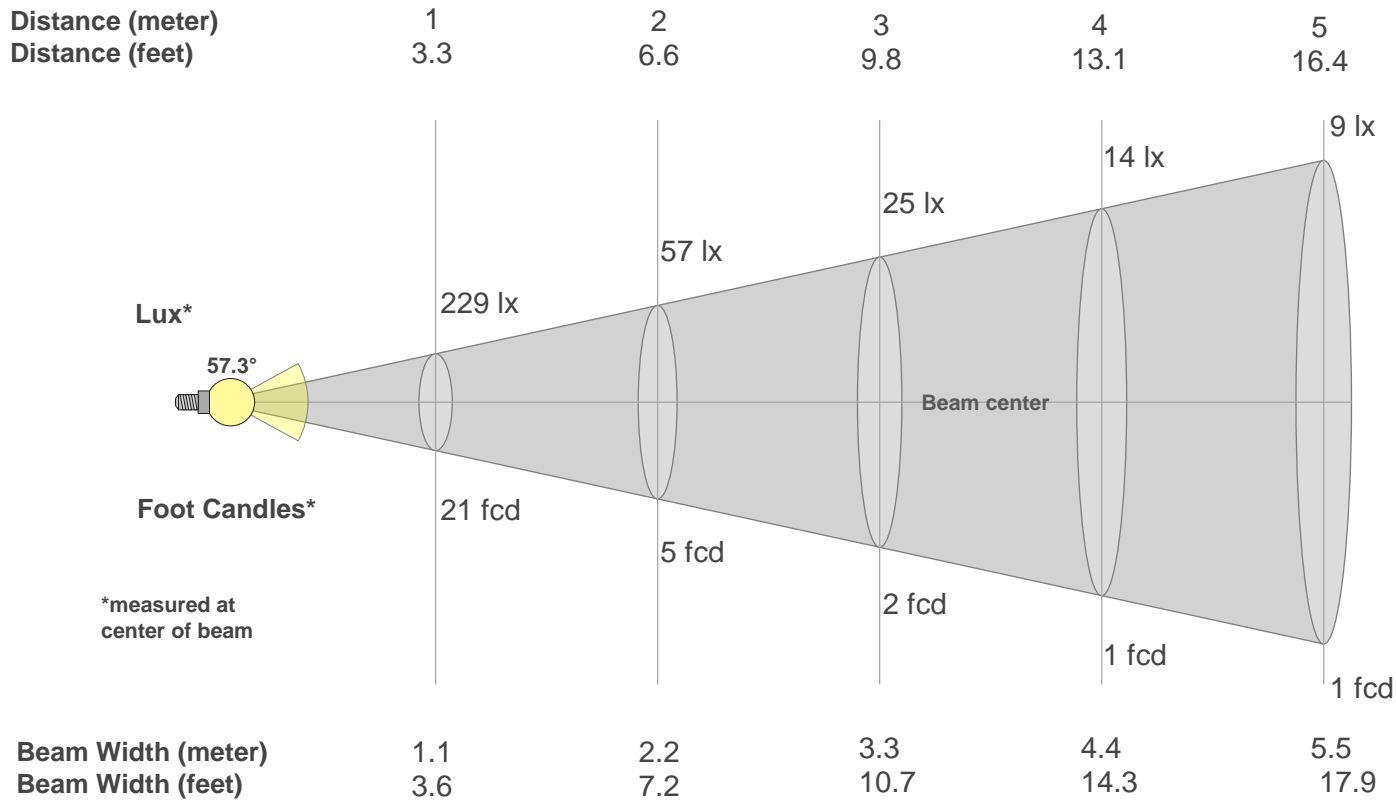
CQS: 0.2



## 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
1338 K	-9.7	-331.3	9.6	13.0	0.2	0.612	0.386	0.382	0.361	0.0020

## Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	229	57	25	14	9	6	5	4	3	2	2	2	1	1	1	1	1	1	1	1
fcd	21.3	5.3	2.4	1.3	0.9	0.6	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Intensities in 0° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
229	228	226	221	216	209	201	192	183	173	162	152	141	130	119	106	92	78	64	52
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	71%	66%	62%	57%	52%	46%	40%	34%	28%	23%

Intensities in 90° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
229	228	226	221	216	209	201	192	183	173	162	152	141	130	119	106	92	78	64	52
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	71%	66%	62%	57%	52%	46%	40%	34%	28%	23%

Intensities in 180° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
229	228	225	221	215	208	200	191	181	172	161	151	140	130	118	106	93	79	65	52
100%	100%	98%	96%	94%	91%	87%	84%	79%	75%	71%	66%	61%	57%	52%	46%	40%	34%	28%	23%

Intensities in 270° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
229	228	225	221	215	208	200	191	181	172	161	151	140	130	118	106	93	79	65	52
100%	100%	98%	96%	94%	91%	87%	84%	79%	75%	71%	66%	61%	57%	52%	46%	40%	34%	28%	23%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
57.3°	89°	115.1°	95.6%	89.5%