

# COB Cannon LP200STX

Light Efficiency:

25 Lumen/Watt

Light Quality:

CRI: 90.1

Color Temperature:

5233 K

Output: 2224 lm

Peak: 2428 cd

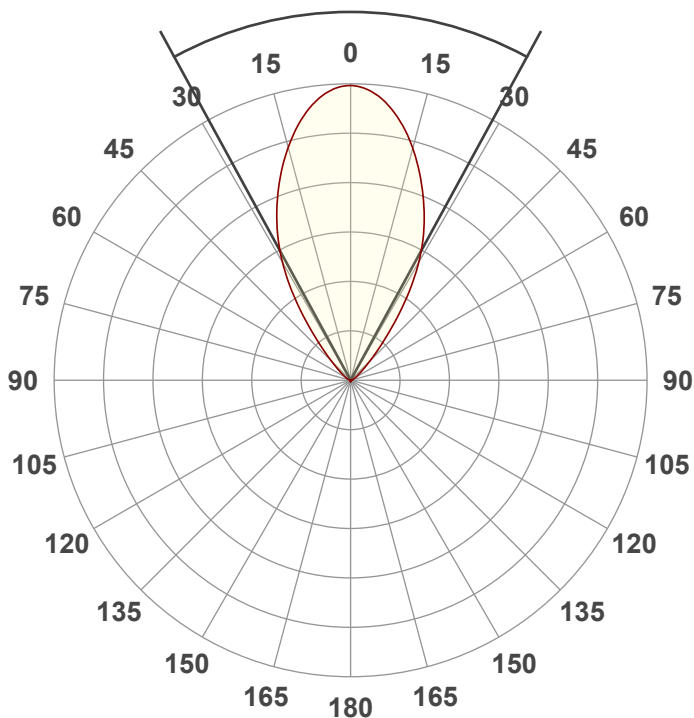
Power: 87.6 W

PF: 0.99



Beam Angle

57.2°



CIE 1931  
x: 0.339  
y: 0.344

Product Name:

COB Cannon LP200STX

Test:

Full On

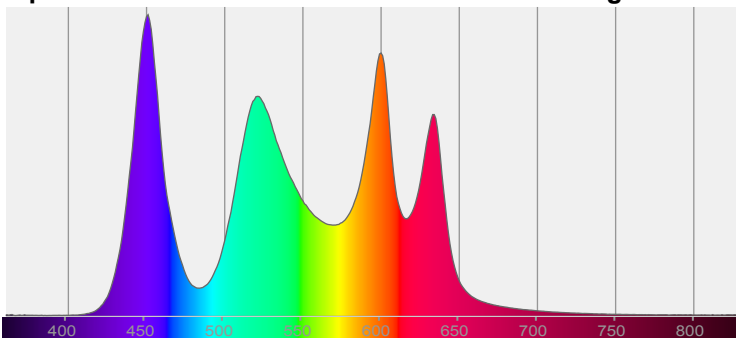
Date:

01/28/2025

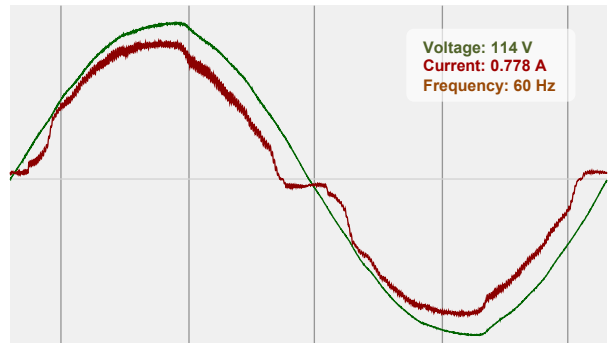
Note:

Spectra

Dominant Wavelength: 584nm

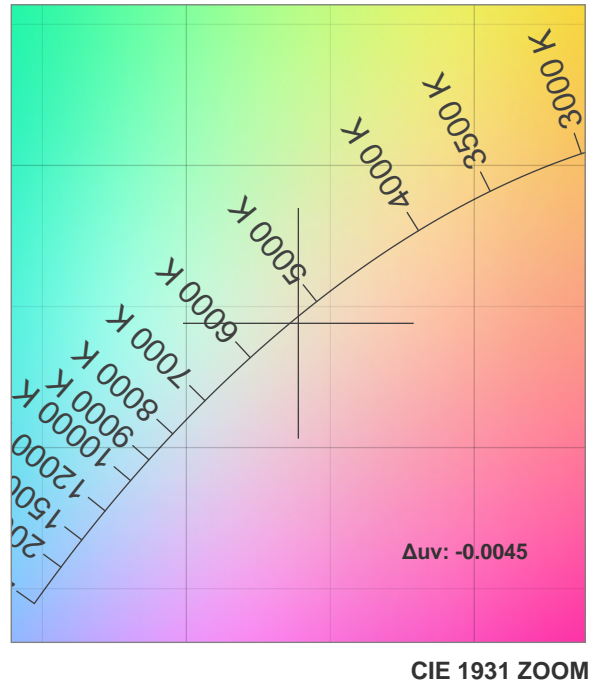
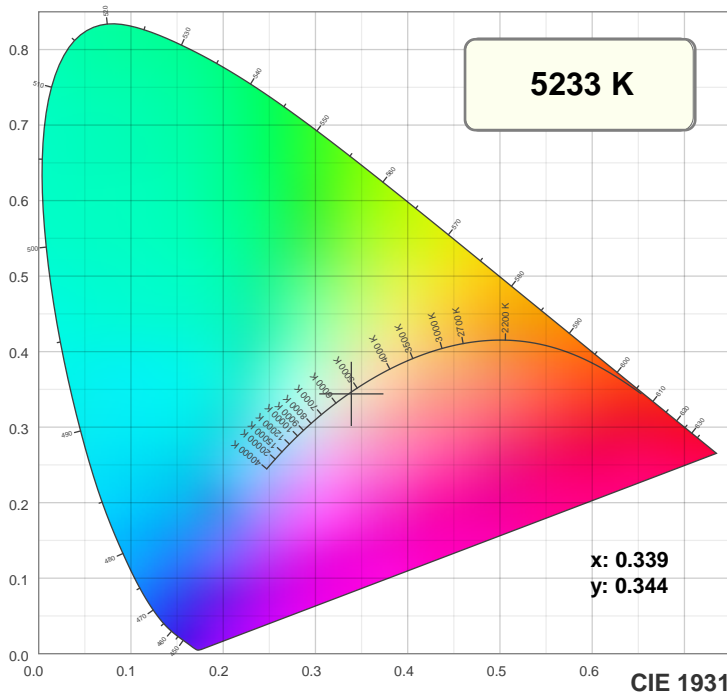


Power

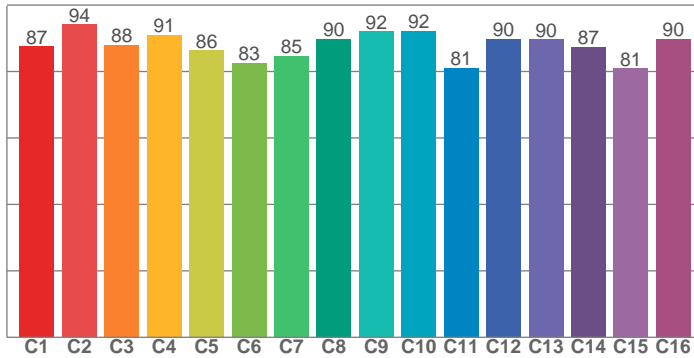


Voltage: 114 V  
Current: 0.778 A  
Frequency: 60 Hz

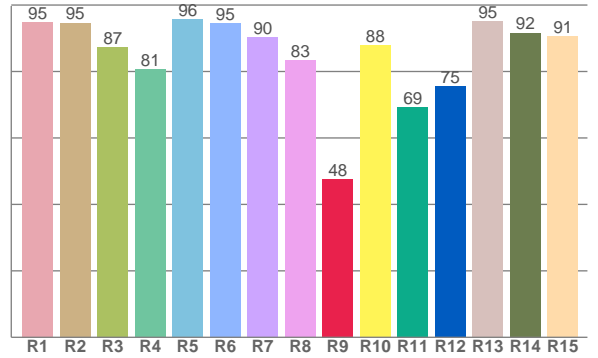
## Color Details



TM30: 87.7



CRI: 90.1 (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
94.9	94.6	87.3	80.6	95.7	94.6	90.2	83.3	47.6	87.9	69.3	75.5	95.2	91.6	90.6

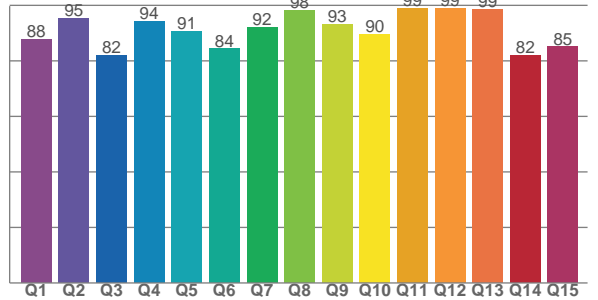
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87.5	94.1	88.0	91.0	86.3	82.6	84.7	89.8	92.0	92.3	81.1	89.8	89.6	87.5	80.9	89.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	95.4	82.0	94.3	90.7	84.4	92.1	98.2	93.3	89.6	99.0	99.0	98.6	82.0	85.2

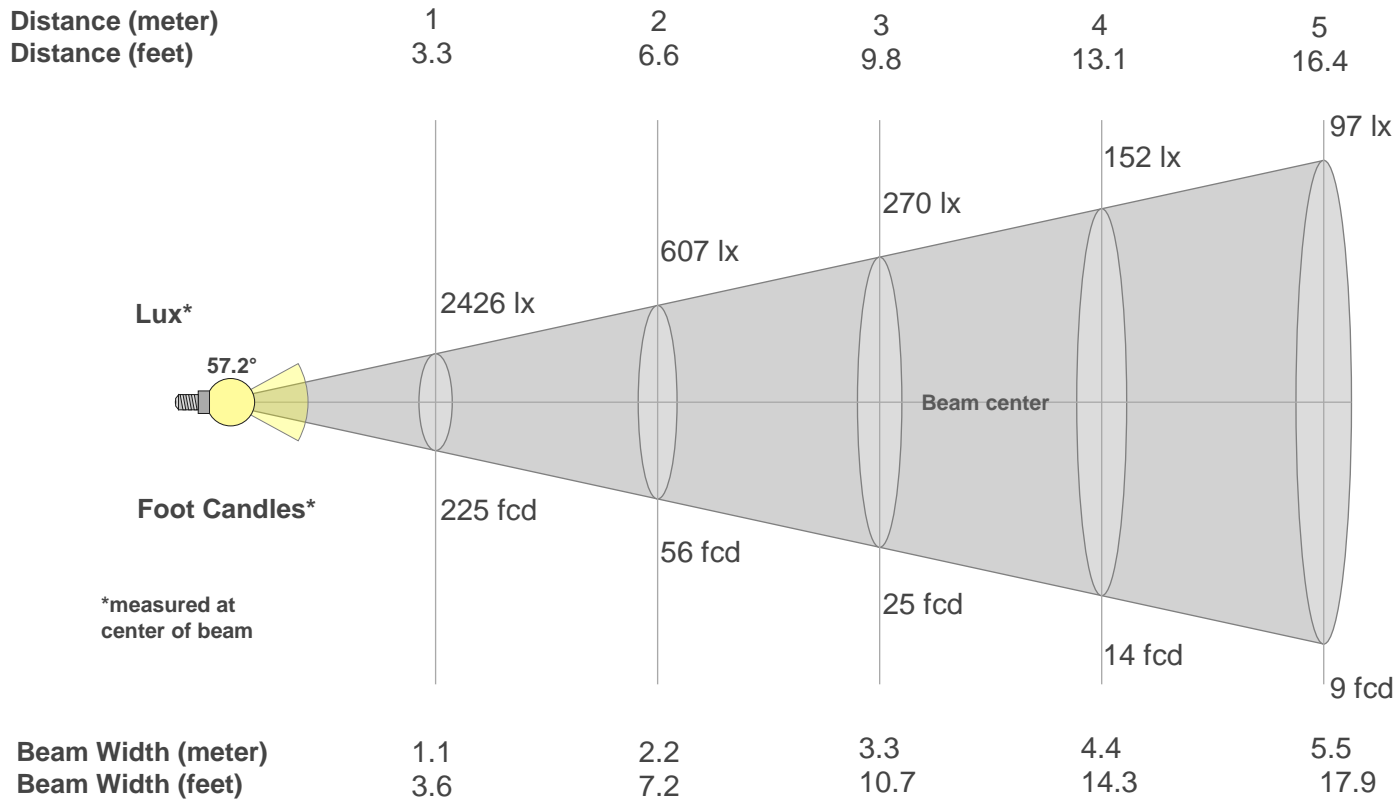
CQS: 89.6



## 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
5233 K	90.1	47.6	87.7	106.3	89.6	0.339	0.344	0.210	0.320	-0.0045

## 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	2426	607	270	152	97	67	50	38	30	24	20	17	14	12	11	9	8	7	7	6
fcd	225.4	56.4	25	14.1	9	6.3	4.6	3.5	2.8	2.3	1.9	1.6	1.3	1.2	1	0.9	0.8	0.7	0.6	0.6

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°
2426	2417	2388	2347	2286	2212	2129	2034	1934	1831	1722	1610	1496	1378	1253	1122	980	833	685	546
100%	100%	98%	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°
2426	2417	2388	2347	2286	2212	2129	2034	1934	1831	1722	1610	1496	1378	1253	1122	980	833	685	546
100%	100%	98%	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°
2426	2412	2385	2341	2277	2205	2122	2027	1927	1821	1712	1602	1491	1375	1254	1123	981	835	687	554
100%	99%	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°
2426	2412	2385	2341	2277	2205	2122	2027	1927	1821	1712	1602	1491	1375	1254	1123	981	835	687	554
100%	99%	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
57.2°	88.9°	114.3°	96.8%	90.6%