

COB CANNON LP200ST



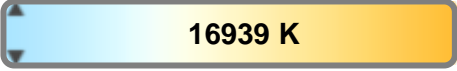
Light Efficiency:



Light Quality:



Color Temperature:



Output: 4084 lm

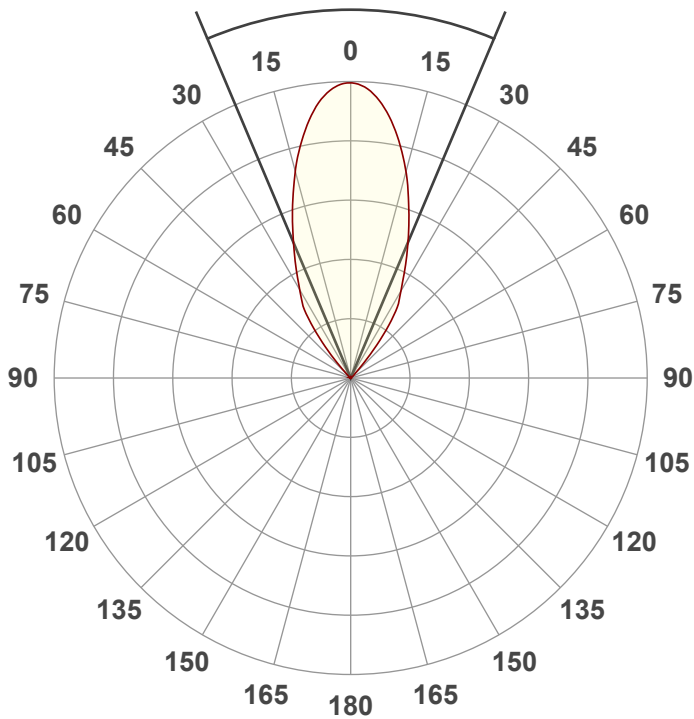
Peak: 6082 cd

Power: 208.1 W

PF: 0.98

Beam Angle

45.8°



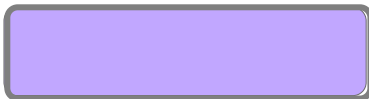
Test:

Full On

Date:

9/8/2022

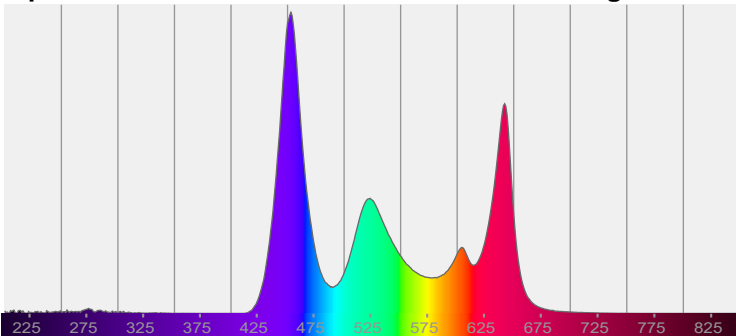
Note:



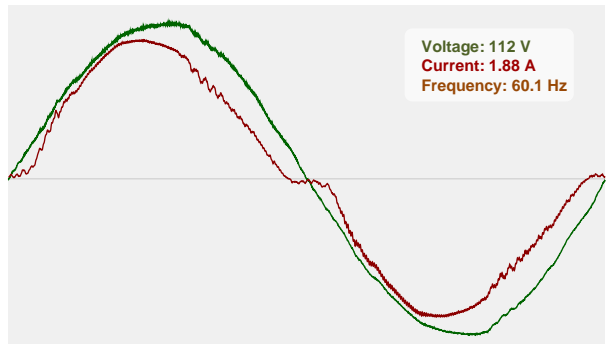
CIE 1931
x: 0.278
y: 0.243

Spectra

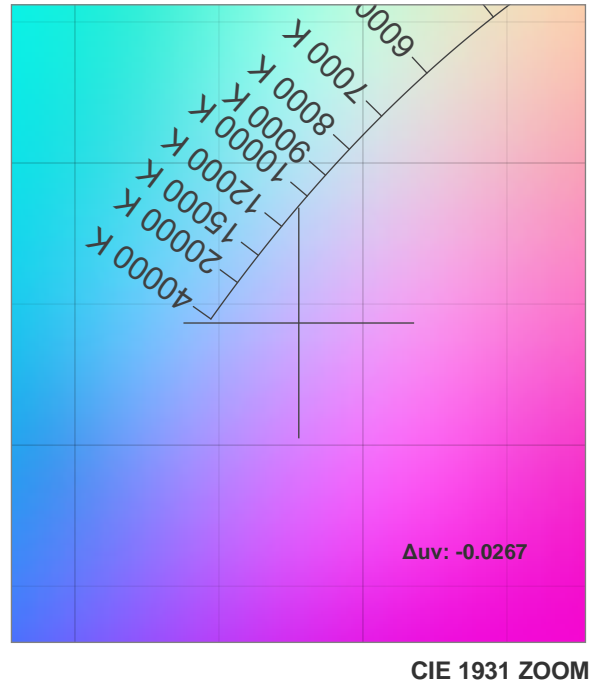
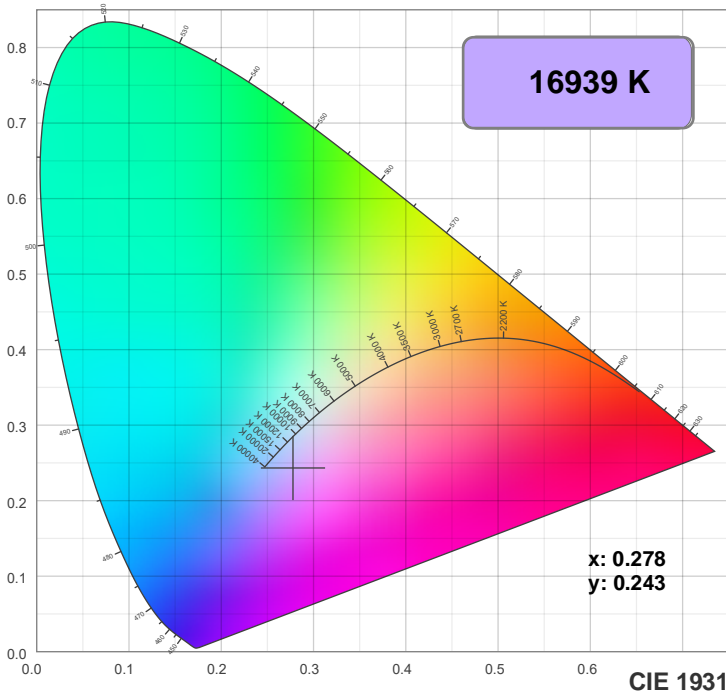
Dominant Wavelength: 360nm



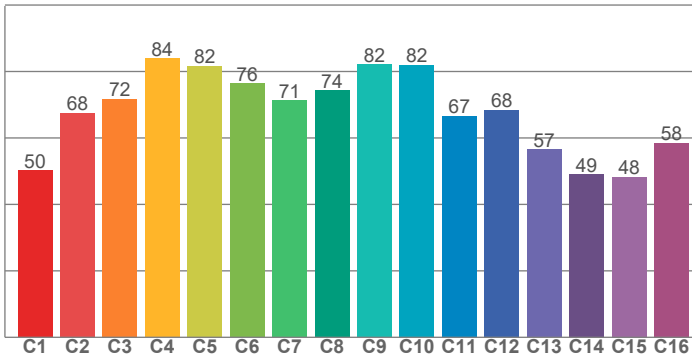
Power



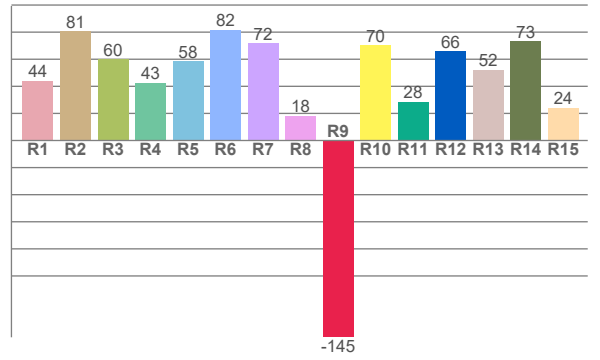
Color Details



TM30: 70.7



CRI: 57.2 (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
44.2	80.5	59.9	42.8	58.5	81.8	71.9	18.2	-145.3	70.4	28.5	65.8	52.2	73.5	24.4

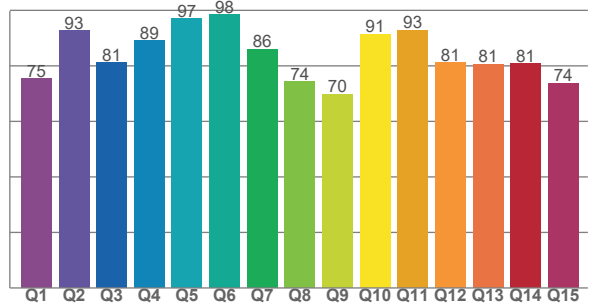
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
50.1	67.6	71.7	83.9	81.6	76.4	71.3	74.2	82.1	82.0	66.7	68.4	56.6	49.1	48.3	58.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.3	92.8	81.1	89.0	96.9	98.4	86.0	74.4	69.7	91.5	92.8	81.1	80.6	80.9	73.8

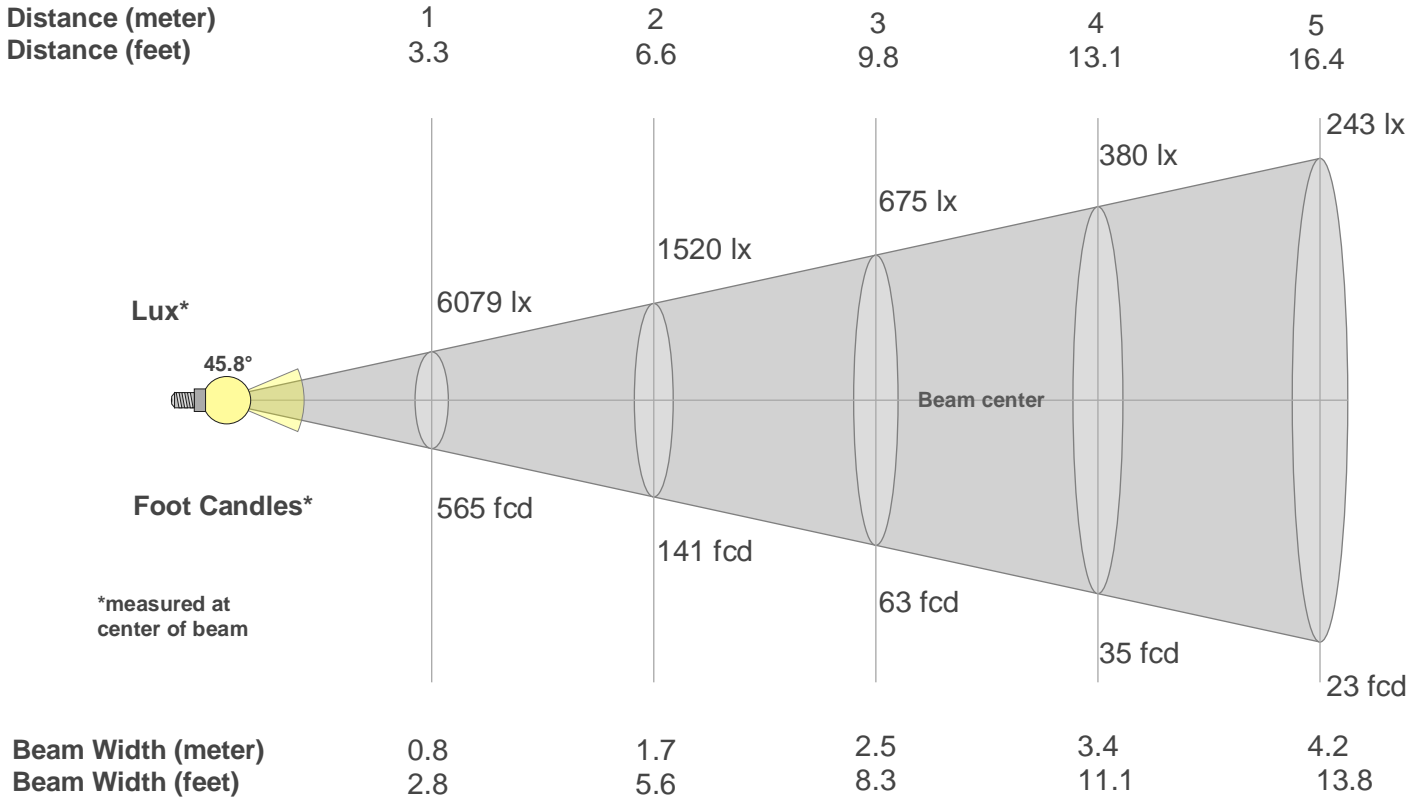
CQS: 82.1



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
16939 K	57.2	-145.3	70.7	119.5	82.1	0.278	0.243	0.207	0.272	-0.0267

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	6079	1520	675	380	243	169	124	95	75	61	50	42	36	31	27	24	21	19	17	15
fcd	564.8	141.2	62.8	35.3	22.6	15.7	11.5	8.8	7	5.6	4.7	3.9	3.3	2.9	2.5	2.2	2	1.7	1.6	1.4

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°
6079	6056	5956	5780	5542	5257	4939	4603	4228	3868	3518	3179	2869	2593	2336	2108	1910	1717	1386	1033
100%	100%	98%	95%	91%	86%	81%	76%	70%	64%	58%	52%	47%	43%	38%	35%	31%	28%	23%	17%

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°
6079	6056	5956	5780	5542	5257	4939	4603	4228	3868	3518	3179	2869	2593	2336	2108	1910	1717	1386	1033
100%	100%	98%	95%	91%	86%	81%	76%	70%	64%	58%	52%	47%	43%	38%	35%	31%	28%	23%	17%

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°
6079	6034	5921	5743	5502	5218	4906	4576	4234	3863	3517	3185	2871	2578	2304	2079	1877	1643	1314	936
100%	99%	97%	94%	91%	86%	81%	75%	70%	64%	58%	52%	47%	42%	38%	34%	31%	27%	22%	15%

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°
6079	6034	5921	5743	5502	5218	4906	4576	4234	3863	3517	3185	2871	2578	2304	2079	1877	1643	1314	936
100%	99%	97%	94%	91%	86%	81%	75%	70%	64%	58%	52%	47%	42%	38%	34%	31%	27%	22%	15%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
45.8°	80.3°	87.9°	99.9%	98.4%