

# COB Cannon Wash ST



Light Efficiency:

20 Lumen/Watt

Light Quality:

CRI: -20.7

Color Temperature:

1433 K

Output: 721 lm

Peak: 810 cd

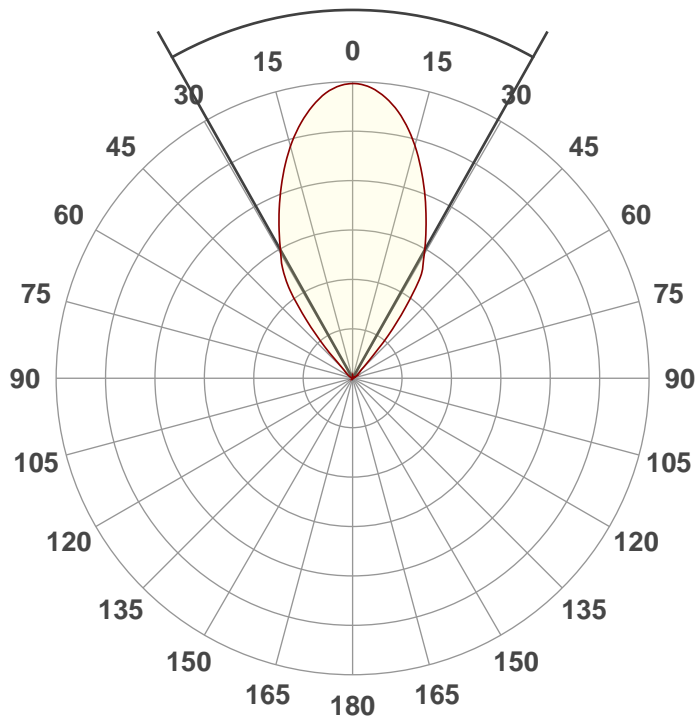
Power: 36.6 W

PF: 0.96



Beam Angle

58.7°



Test:

Amber

Date:

9/28/2018

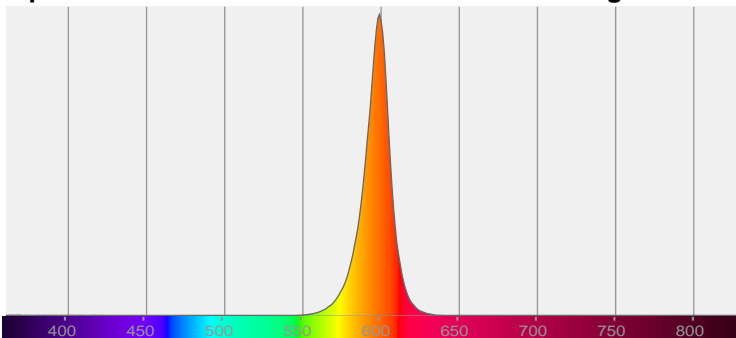
Note:



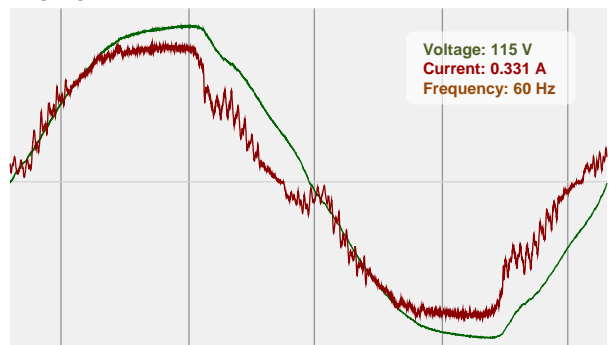
CIE 1931  
x: 0.603  
y: 0.397

Spectra

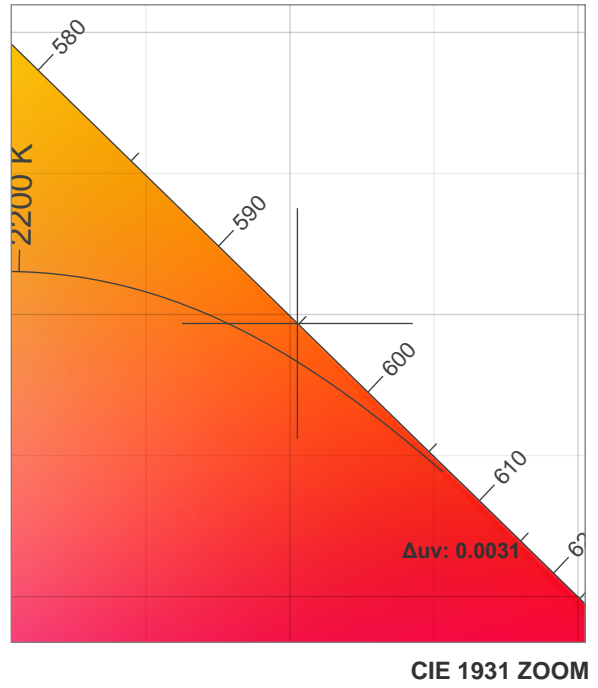
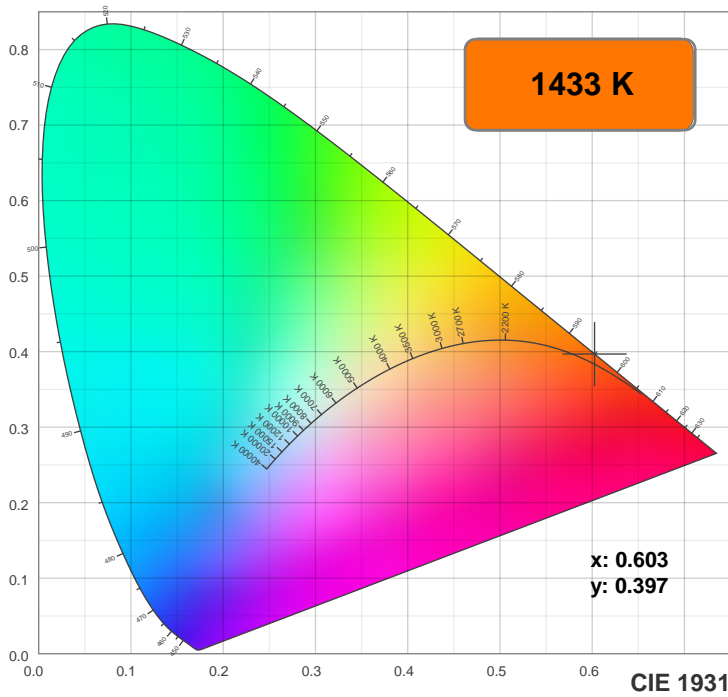
Dominant Wavelength: 595nm



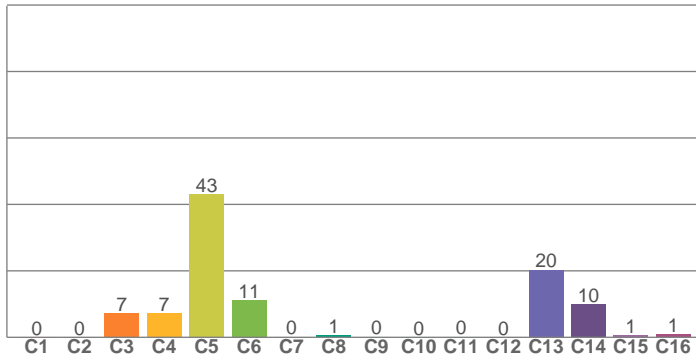
Power



## Color Details



TM30: 0.4



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
-31.4	55.9	13.2	-67.9	-40.5	49.9	-10.1	-134.3	-374.4	36.7	-91.7	4.3	-11.2	44.1	-65.8

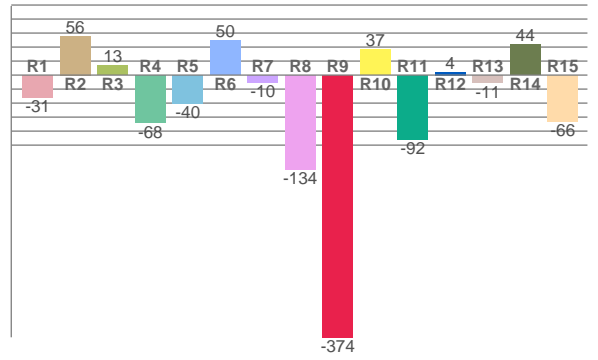
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	7.2	7.2	43.0	11.2	0.1	0.5	0.1	0.0	0.1	0.0	20.3	9.8	0.6	0.8

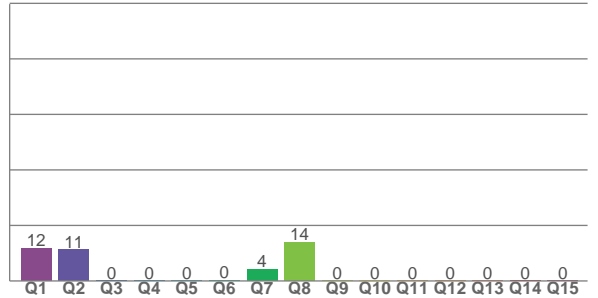
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.2	0.0	0.0	0.0	0.2	4.2	14.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -20.7 (R1-R8)



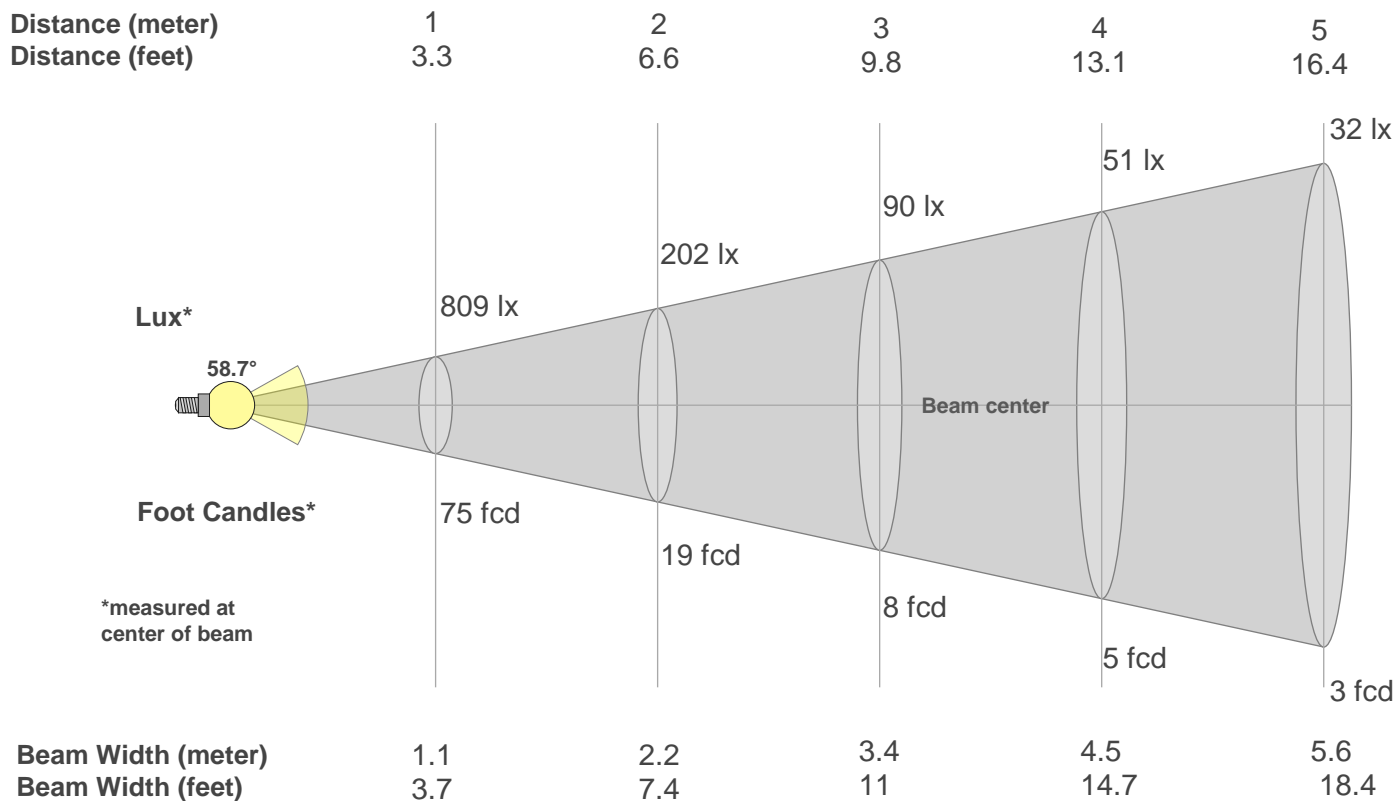
CQS: 0.0



## 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	$\Delta uv$
1433 K	-20.7	-374.4	0.4	0.9	0.0	0.603	0.397	0.368	0.363	0.0031

## 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	809	202	90	51	32	22	17	13	10	8	7	6	5	4	4	3	3	2	2	2
fcd	75.2	18.8	8.4	4.7	3	2.1	1.5	1.2	0.9	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2

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°
809	806	796	781	760	735	707	677	642	607	570	534	497	462	428	395	366	327	279	218
100%	100%	98%	97%	94%	91%	87%	84%	79%	75%	70%	66%	61%	57%	53%	49%	45%	40%	35%	27%

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°
809	806	796	781	760	735	707	677	642	607	570	534	497	462	428	395	366	327	279	218
100%	100%	98%	97%	94%	91%	87%	84%	79%	75%	70%	66%	61%	57%	53%	49%	45%	40%	35%	27%

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°
809	806	798	782	763	739	711	678	644	607	570	533	496	461	427	394	363	329	266	206
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	70%	66%	61%	57%	53%	49%	45%	41%	33%	25%

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°
809	806	798	782	763	739	711	678	644	607	570	533	496	461	427	394	363	329	266	206
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	70%	66%	61%	57%	53%	49%	45%	41%	33%	25%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
58.7°	85.3°	103.8°	99.1%	95.5%