

# COB Cannon Wash ST DW



Light Efficiency:

37 Lumen/Watt

Light Quality:

CRI: 96.2

Color Temperature:

4163 K

Output: 6101 lm

Peak: 7171 cd

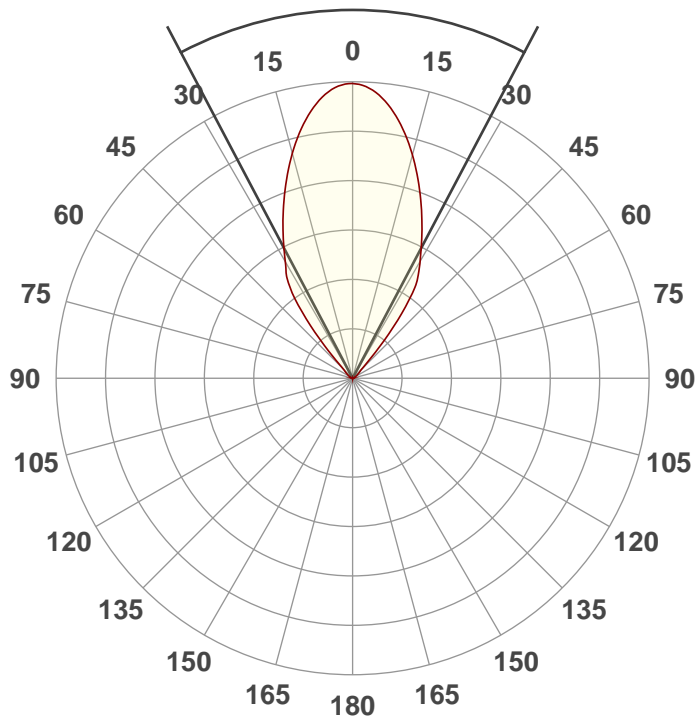
Power: 165 W

PF: 0.99



Beam Angle

55.6°



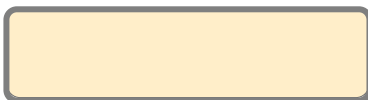
Test:

Full On

Date:

9/28/2018

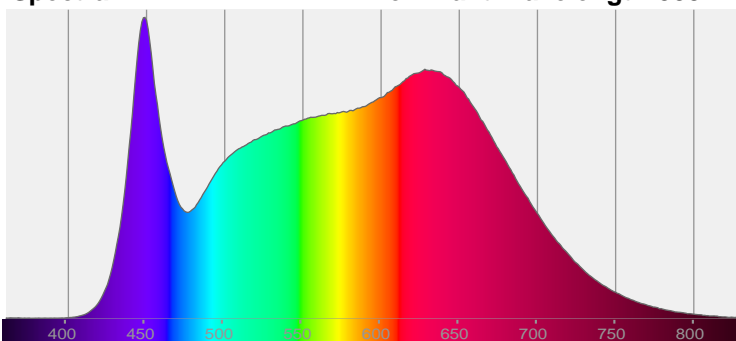
Note:



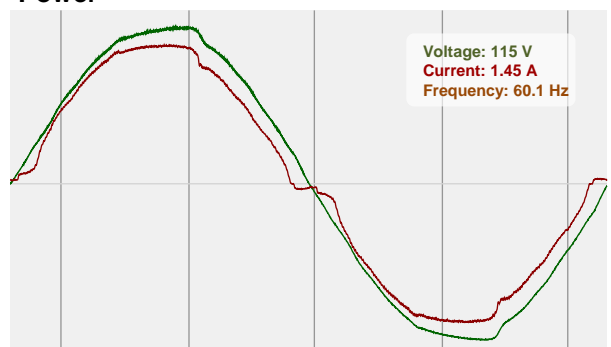
CIE 1931  
x: 0.369  
y: 0.354

Spectra

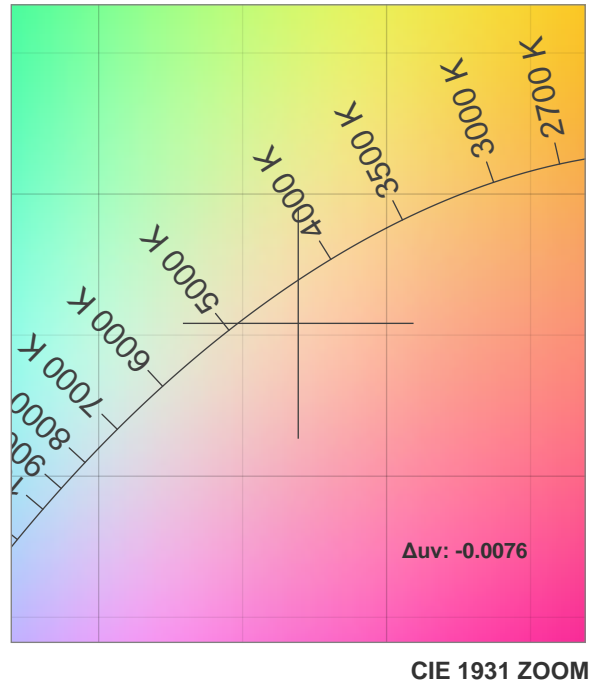
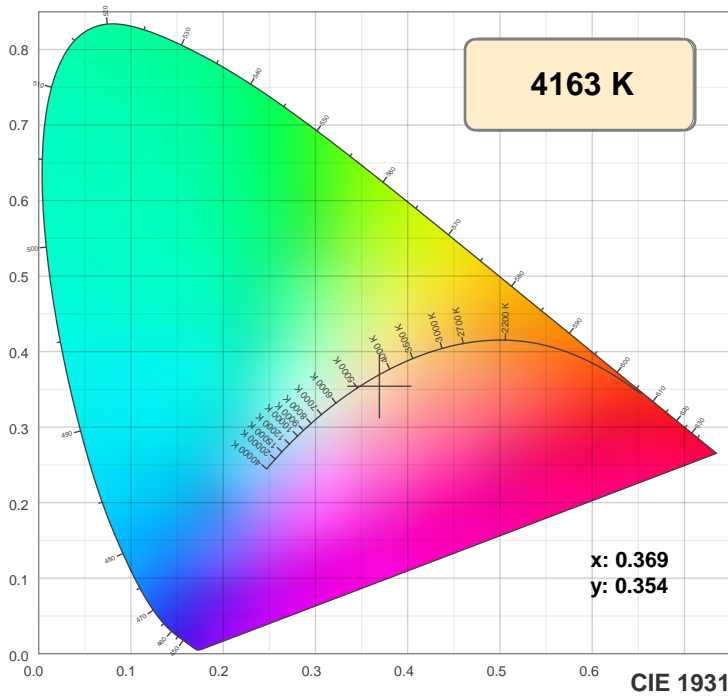
Dominant Wavelength: 588nm



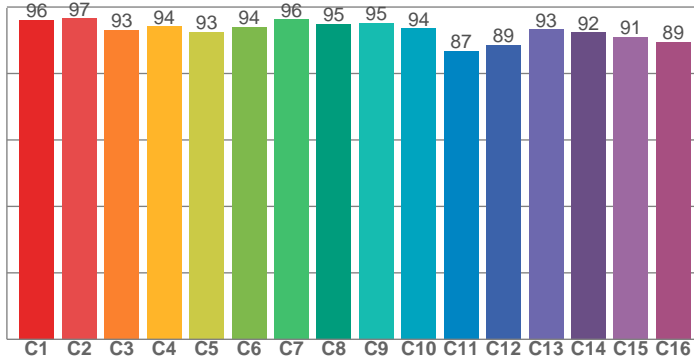
Power



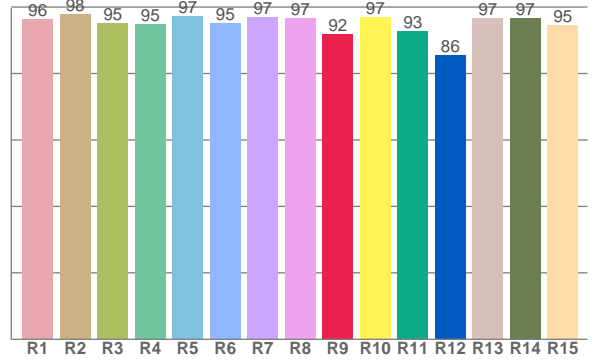
## Color Details



TM30: 93.0



CRI: 96.2 (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
96.3	97.8	95.1	94.8	97.2	95.1	97.0	96.5	91.9	96.8	92.7	85.5	96.6	96.6	94.5

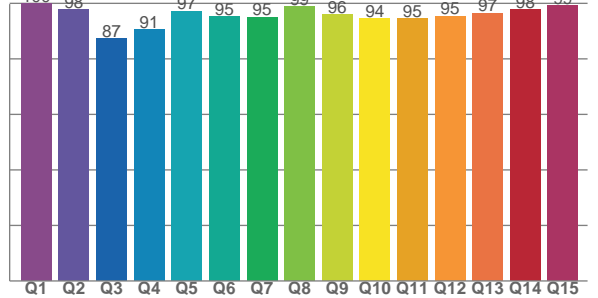
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	96.6	93.2	94.2	92.5	94.0	96.3	94.9	95.2	93.5	86.8	88.6	93.2	92.4	91.0	89.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99.9	97.7	87.3	90.6	97.2	95.3	95.0	98.9	96.0	94.5	94.5	95.4	96.5	97.7	99.2

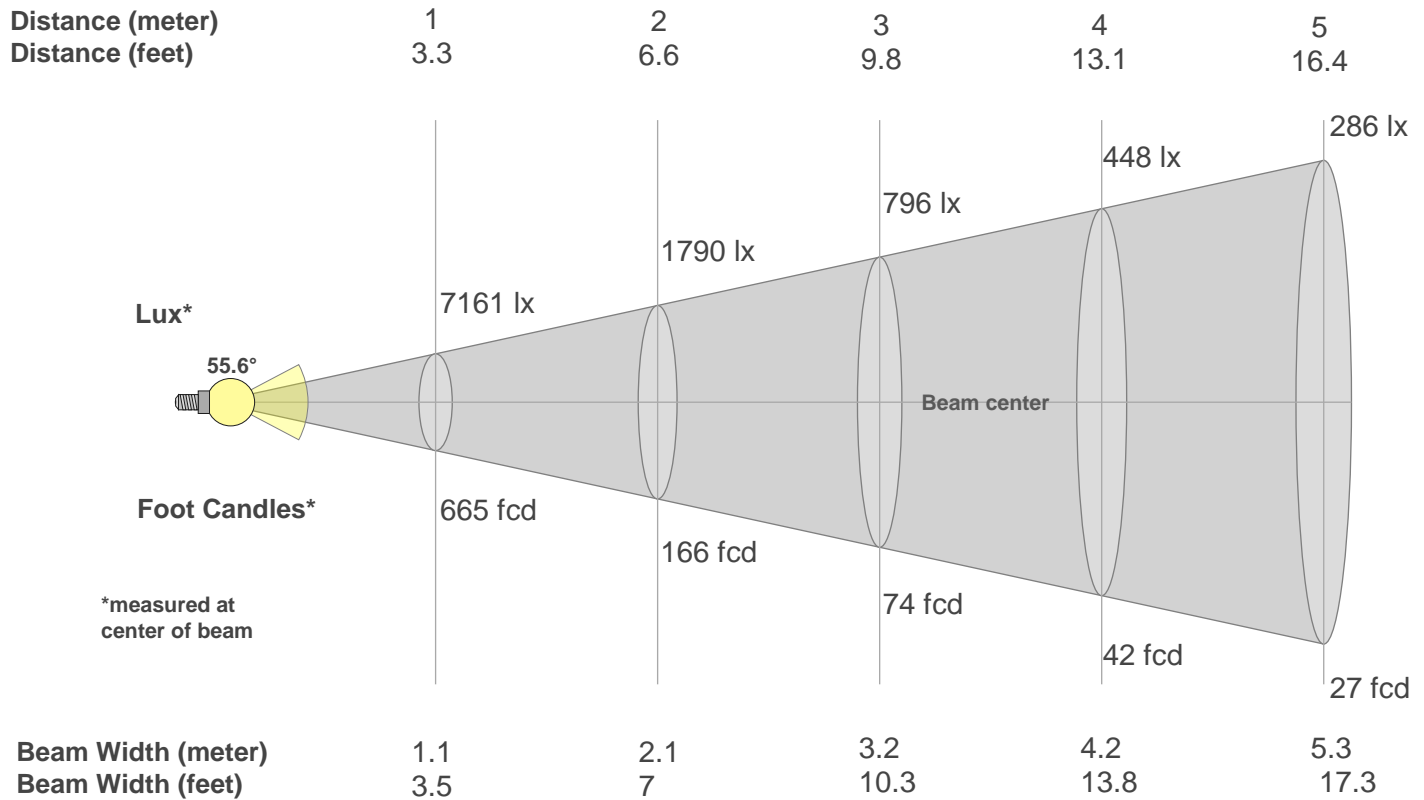
CQS: 94.7



## 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
4163 K	96.2	91.9	93.0	104.1	94.7	0.369	0.354	0.227	0.326	-0.0076

## 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	7161	1790	796	448	286	199	146	112	88	72	59	50	42	37	32	28	25	22	20	18
fcd	665.2	166.3	73.9	41.6	26.6	18.5	13.6	10.4	8.2	6.7	5.5	4.6	3.9	3.4	3	2.6	2.3	2.1	1.8	1.7

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°
7161	7132	7046	6895	6676	6423	6141	5829	5499	5163	4824	4492	4169	3857	3556	3281	3046	2765	2383	1827
100%	100%	98%	96%	93%	90%	86%	81%	77%	72%	67%	63%	58%	54%	50%	46%	43%	39%	33%	26%

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°
7161	7132	7046	6895	6676	6423	6141	5829	5499	5163	4824	4492	4169	3857	3556	3281	3046	2765	2383	1827
100%	100%	98%	96%	93%	90%	86%	81%	77%	72%	67%	63%	58%	54%	50%	46%	43%	39%	33%	26%

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°
7161	7131	7016	6849	6638	6386	6095	5785	5461	5129	4797	4470	4150	3845	3556	3286	3029	2744	2281	1743
100%	100%	98%	96%	93%	89%	85%	81%	76%	72%	67%	62%	58%	54%	50%	46%	42%	38%	32%	24%

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°
7161	7131	7016	6849	6638	6386	6095	5785	5461	5129	4797	4470	4150	3845	3556	3286	3029	2744	2281	1743
100%	100%	98%	96%	93%	89%	85%	81%	76%	72%	67%	62%	58%	54%	50%	46%	42%	38%	32%	24%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
55.6°	84.2°	103.3°	98.9%	95.2%