

COB Cannon Wash ST DW



Light Efficiency:

36 Lumen/Watt

Light Quality:

CRI: 95.9

Color Temperature:

4180 K

Output: 5583 lm

Peak: 6571 cd

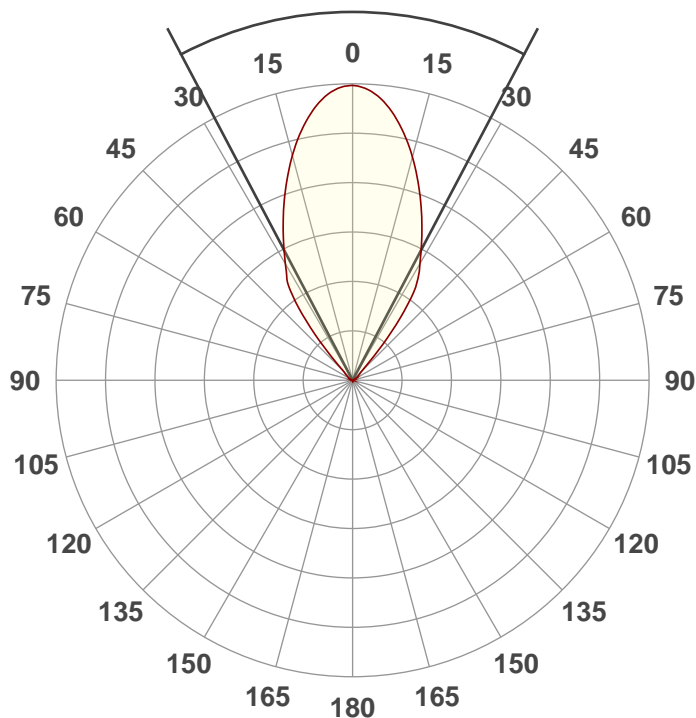
Power: 154 W

PF: 0.99



Beam Angle

55.5°



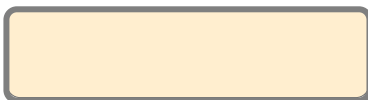
Test:

Full On

Date:

9/28/2018

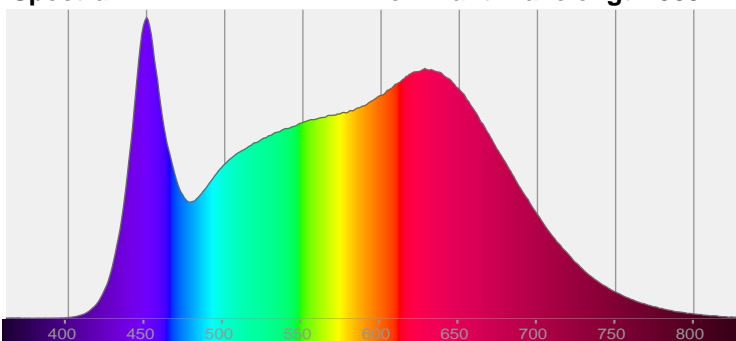
Note:



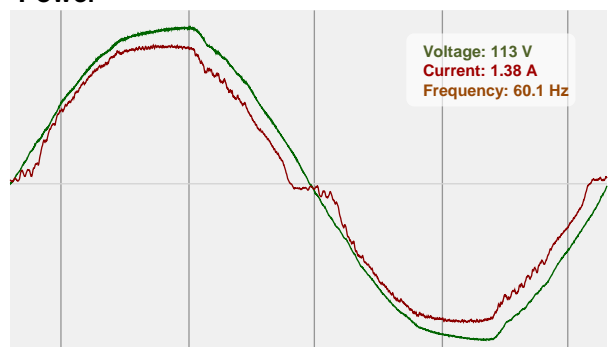
CIE 1931
x: 0.368
y: 0.350

Spectra

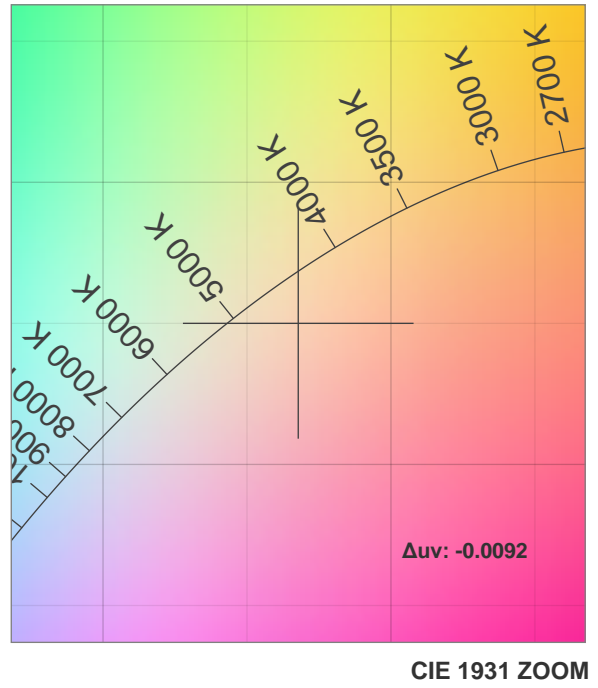
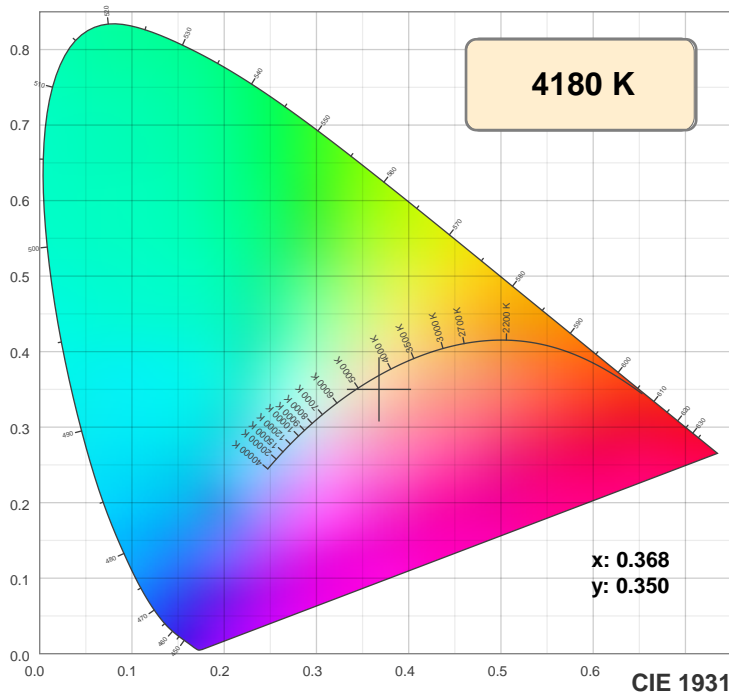
Dominant Wavelength: 589nm



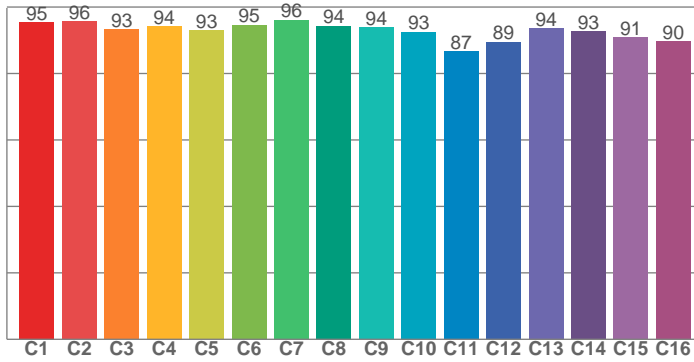
Power



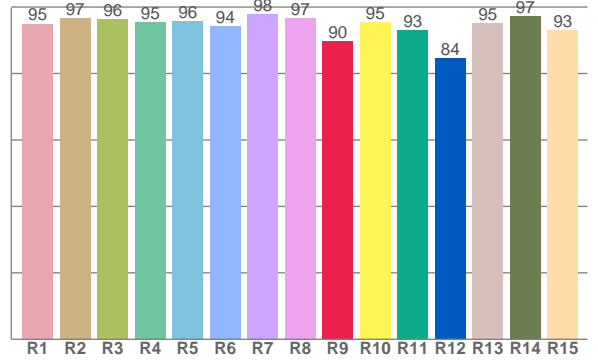
Color Details



TM30: 92.8



CRI: 95.9 (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	96.6	96.2	95.4	95.8	94.1	97.8	96.6	89.7	95.4	93.0	84.5	95.1	97.2	92.9

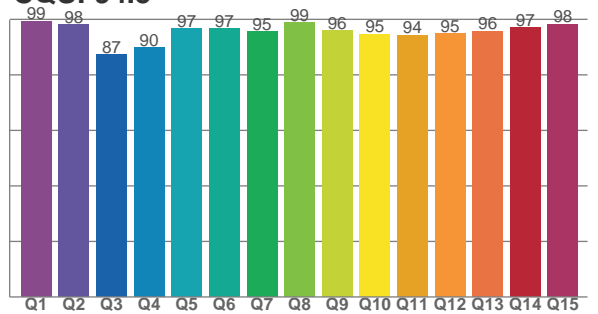
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.4	95.6	93.3	94.2	92.9	94.6	96.2	94.3	93.8	92.5	86.6	89.5	93.6	92.7	90.9	89.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99.4	98.0	87.3	89.7	96.7	96.7	95.5	98.8	96.0	94.7	94.3	94.8	95.7	96.9	98.3

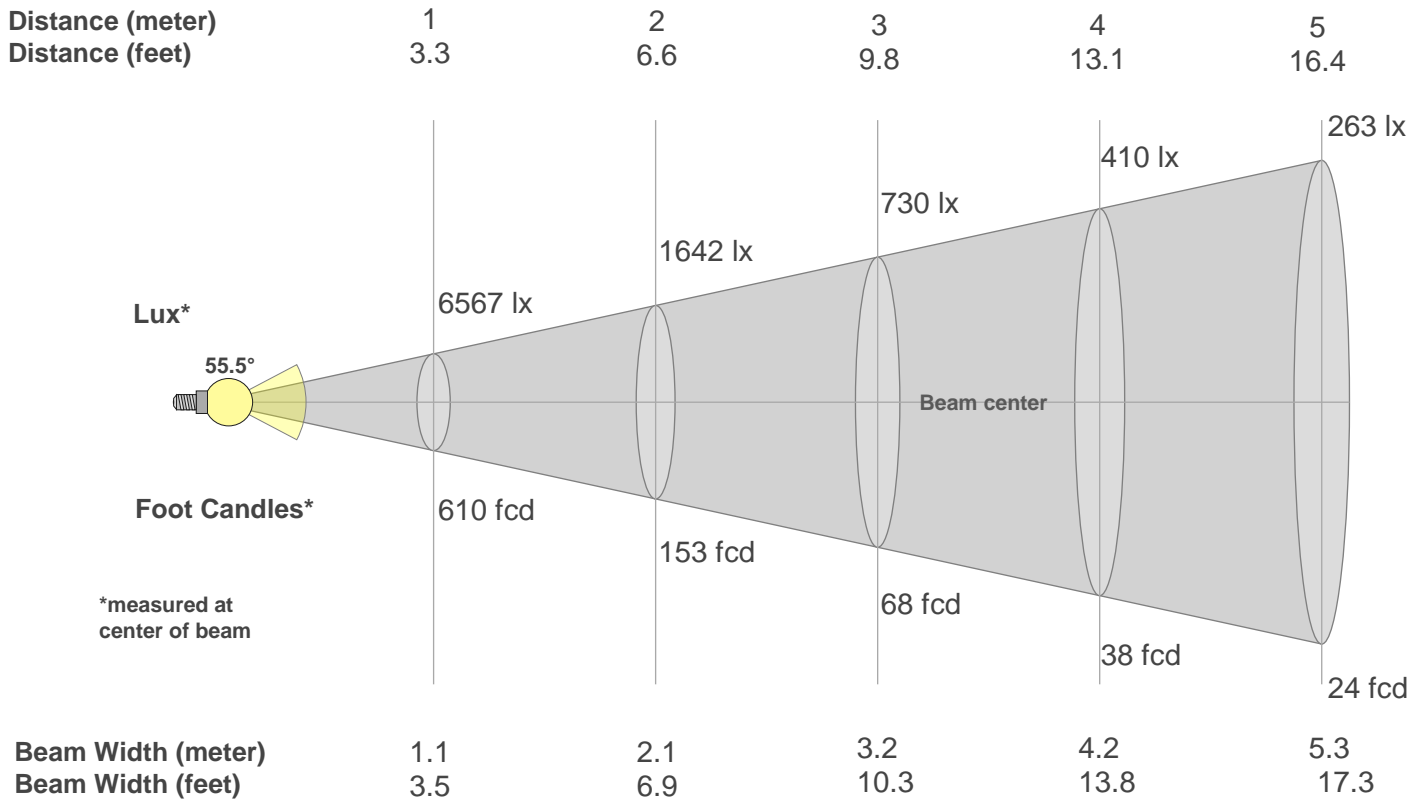
CQS: 94.5



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
4180 K	95.9	89.7	92.8	103.8	94.5	0.368	0.350	0.228	0.325	-0.0092

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	6567	1642	730	410	263	182	134	103	81	66	54	46	39	34	29	26	23	20	18	16
fcd	610.1	152.5	67.8	38.1	24.4	16.9	12.5	9.5	7.5	6.1	5	4.2	3.6	3.1	2.7	2.4	2.1	1.9	1.7	1.5

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°
6567	6543	6451	6309	6120	5887	5622	5337	5035	4722	4415	4109	3809	3522	3253	3003	2774	2567	2156	1675
100%	100%	98%	96%	93%	90%	86%	81%	77%	72%	67%	63%	58%	54%	50%	46%	42%	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°
6567	6543	6451	6309	6120	5887	5622	5337	5035	4722	4415	4109	3809	3522	3253	3003	2774	2567	2156	1675
100%	100%	98%	96%	93%	90%	86%	81%	77%	72%	67%	63%	58%	54%	50%	46%	42%	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°
6567	6522	6426	6283	6084	5844	5582	5303	5003	4697	4393	4094	3800	3520	3255	3006	2784	2498	2088	1593
100%	99%	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°
6567	6522	6426	6283	6084	5844	5582	5303	5003	4697	4393	4094	3800	3520	3255	3006	2784	2498	2088	1593
100%	99%	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
55.5°	84.1°	103.4°	98.9%	95.2%