

Light efficiency:

124 Lumen/Watt

Light quality:

CRI: 76.8

Color temperature:

3827 K

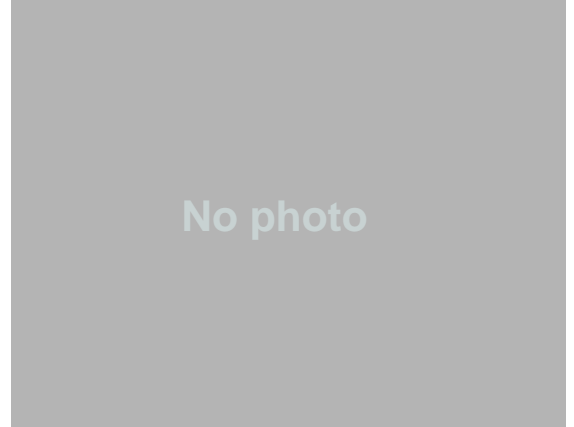
Output: 2475 lm

Peak: 394 cd

Power: 20.0 W

PF: 0.99

8 PLANES



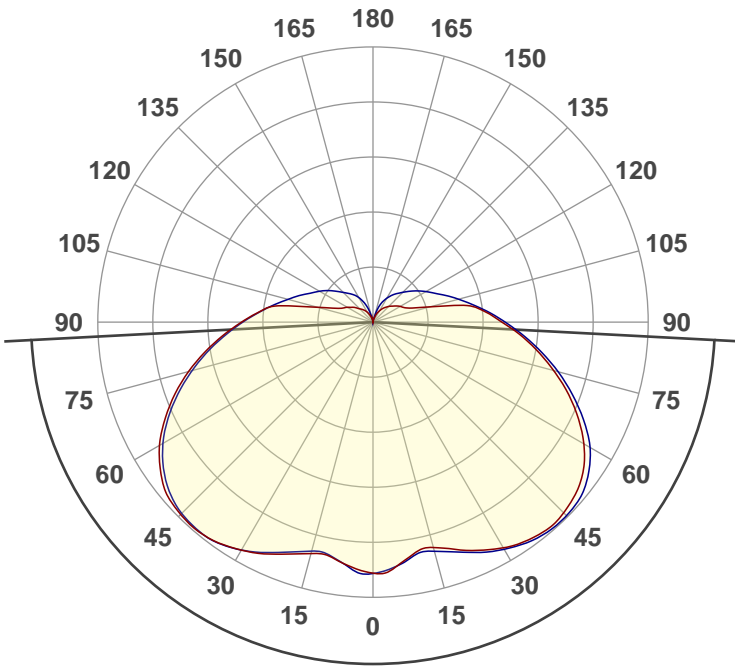
Tracking number: VT231031-007522

Part Number:

VTCJ-SW3B26 20W

Date and time:

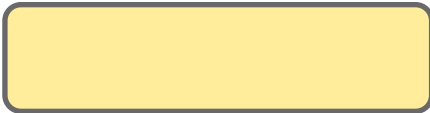
10/31/2023 10:30:48 AM



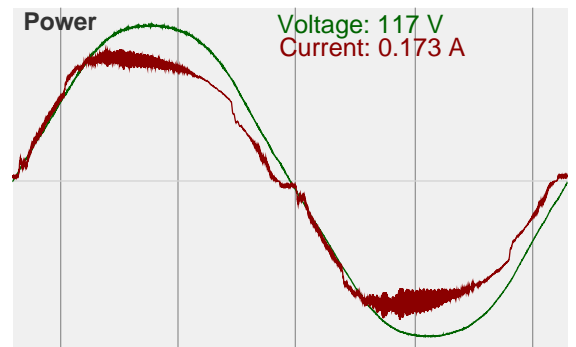
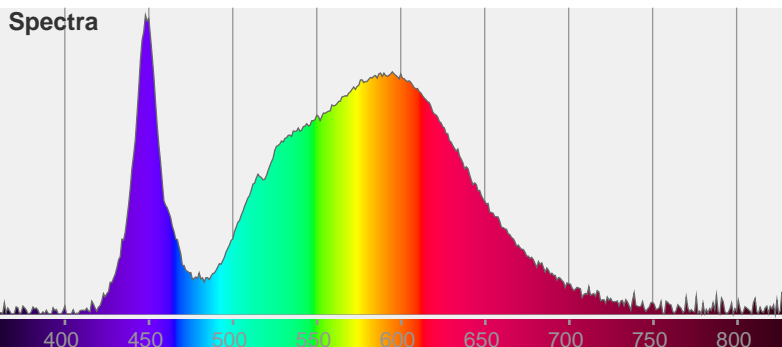
Beam angle

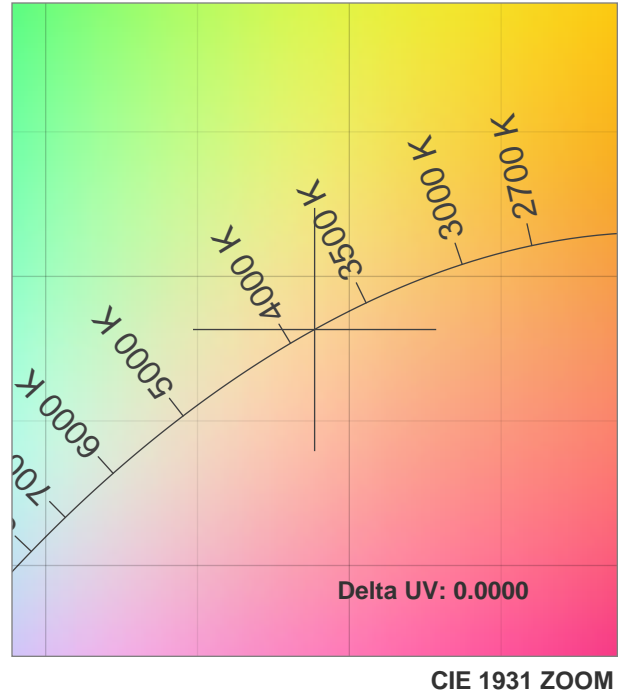
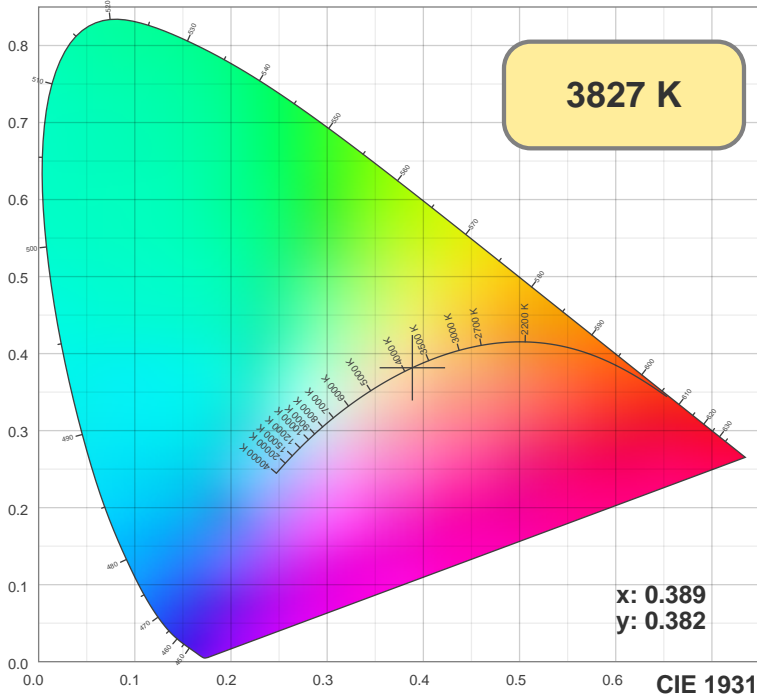
174°

Color



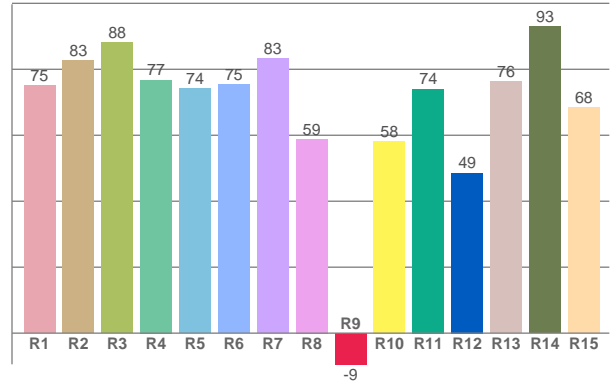
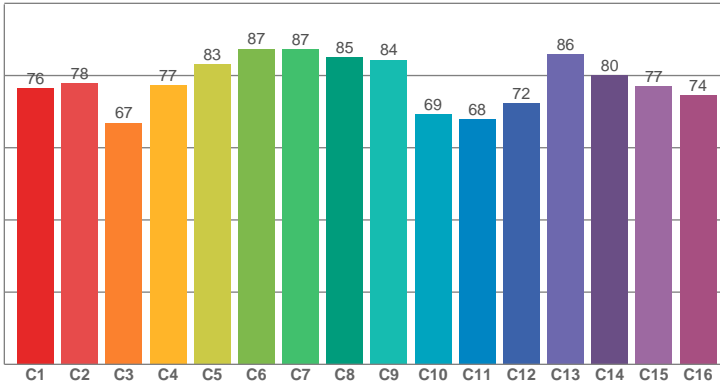
CIE1931
x: 0.389
y: 0.382





TM30: 77.9

CRI: 76.8 (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
75.02	82.59	88.07	76.79	74.18	75.29	83.32	58.84	-9.46	58.22	74.01	48.59	76.32	93.06	68.31

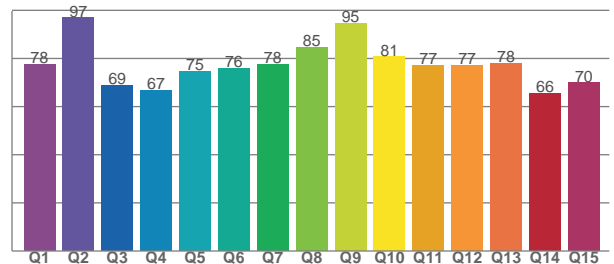
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
76.50	77.80	66.92	77.22	83.08	87.36	87.28	85.03	84.30	69.27	67.89	72.33	85.94	80.12	76.94	74.50

CQS Q values

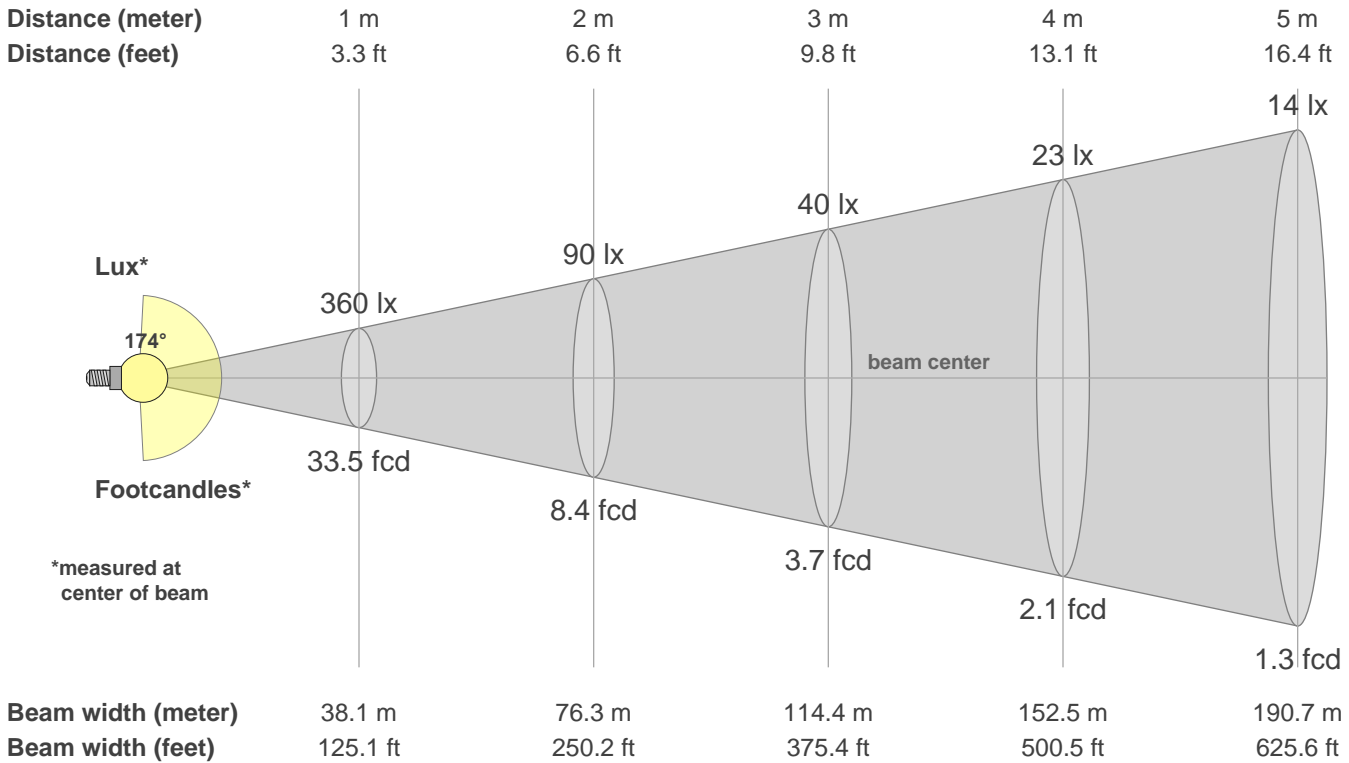
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.64	96.87	68.95	66.86	74.50	75.81	77.54	84.57	94.69	80.72	77.10	77.01	77.95	65.51	69.84

CQS: 76.1



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3827 K	76.8	-9.5	77.9	96.6	76.1	0.4	0.4	0.2	0.3	-0.0001



Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
360	343	343	368	386	388	372	336	287	235	186	143	69	48	40	32	25	16	7	3
100%	95%	95%	102%	107%	108%	103%	93%	80%	65%	52%	40%	19%	13%	11%	9%	7%	5%	2%	1%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
360	345	348	371	389	394	381	346	294	240	191	150	118	94	77	61	48	35	17	2
100%	96%	97%	103%	108%	109%	106%	96%	82%	67%	53%	42%	33%	26%	21%	17%	13%	10%	5%	1%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
360	347	351	373	390	392	376	341	292	240	190	145	68	46	36	27	21	14	7	2
100%	96%	98%	104%	108%	109%	105%	95%	81%	67%	53%	40%	19%	13%	10%	8%	6%	4%	2%	1%

Intensities in 270° c-plane

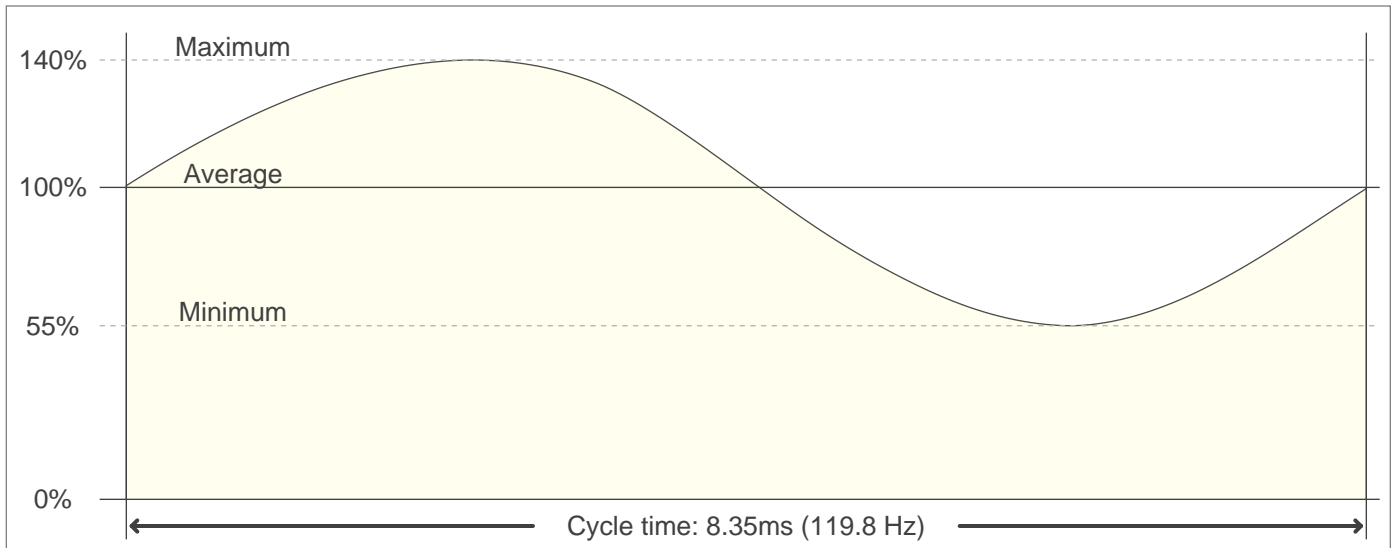
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
360	346	348	372	390	389	371	335	287	236	188	148	118	95	77	61	49	36	17	2
100%	96%	97%	103%	108%	108%	103%	93%	80%	65%	52%	41%	33%	26%	21%	17%	14%	10%	5%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
174.0°	279.1°	325.5°	46.3%	27.2%

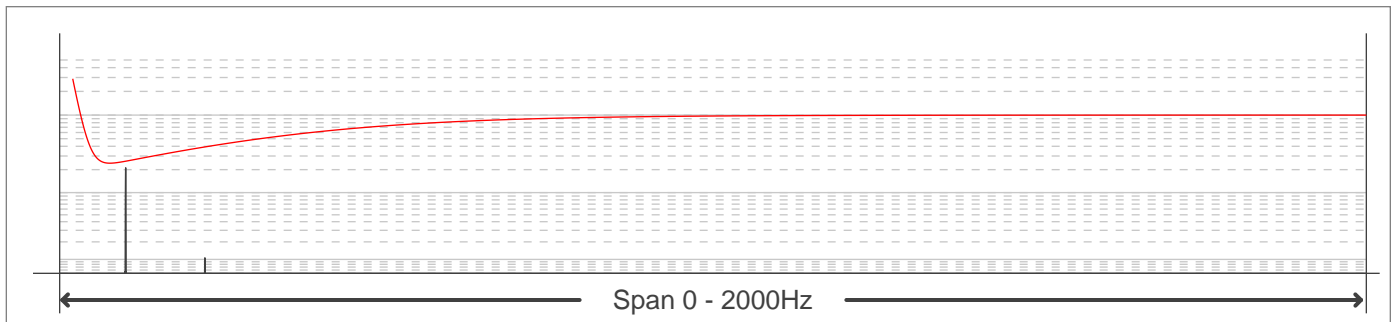
Flicker curve (Complete sampled flicker signal)



Flicker frame (frame of one period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		119.76 Hz	
Flicker index:	0.14	JA8/10 - 40:	0.2 %
Flicker percentage:	43.47 %	JA8/10 - 90:	0.86 %
SVM: (Visual flicker)	1.54	JA8/10 - 200:	42.76 %
PstLM:	0.09	JA8/10 - 400:	43.31 %
Mp:	0.05	JA8/10 - 1000:	43.47 %

Flicker conditions:

Sample Rate	20000 samples/second
-------------	----------------------