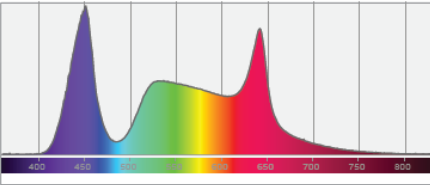
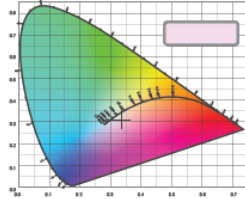


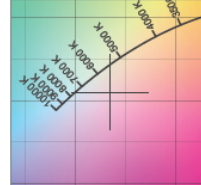
Spectral distribution



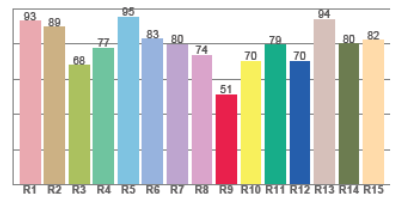
Color coordinates



Zoom color point



CRI R values



# Photometric Test Report

\*Due to additional product enhancements, an updated version of this report may be available online. Please check [www.adj.com](http://www.adj.com) for the latest revision/update of this report.

# MOD STQ



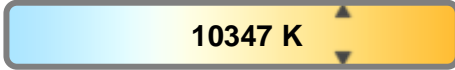
Light Efficiency:



Light Quality:



Color Temperature:



Output: 849 lm

Peak: 5616 cd

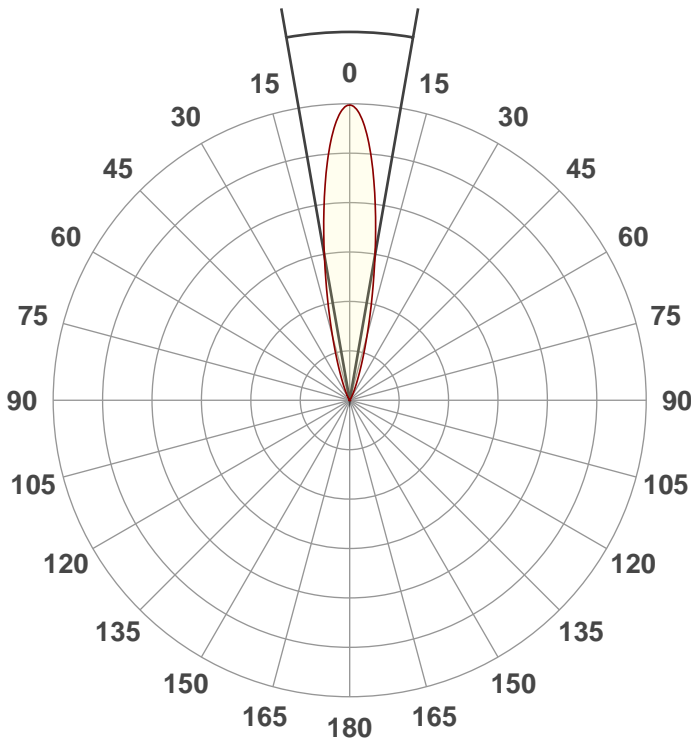
Power: 21.2 W

PF: 0.58



Beam Angle

19.8°



Test:

CRI

Date:

10/16/2019

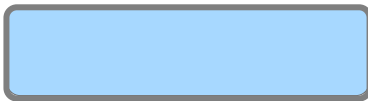
Note:

R @ 46%

G @ 57%

B @ 53%

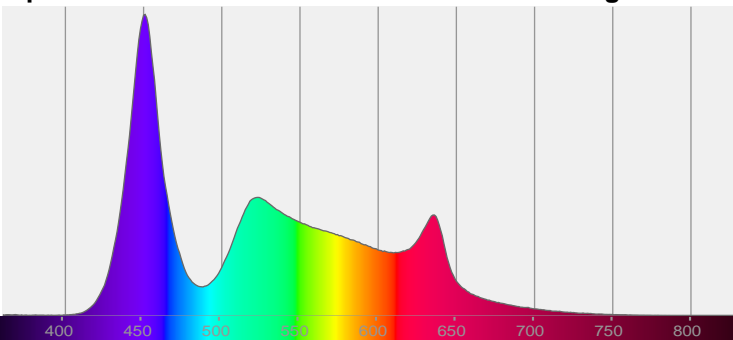
W@100%



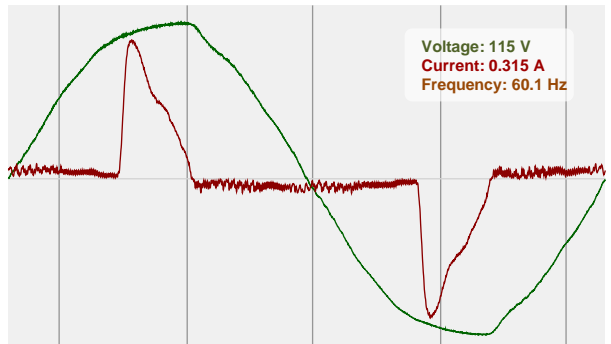
CIE 1931  
x: 0.282  
y: 0.280

Spectra

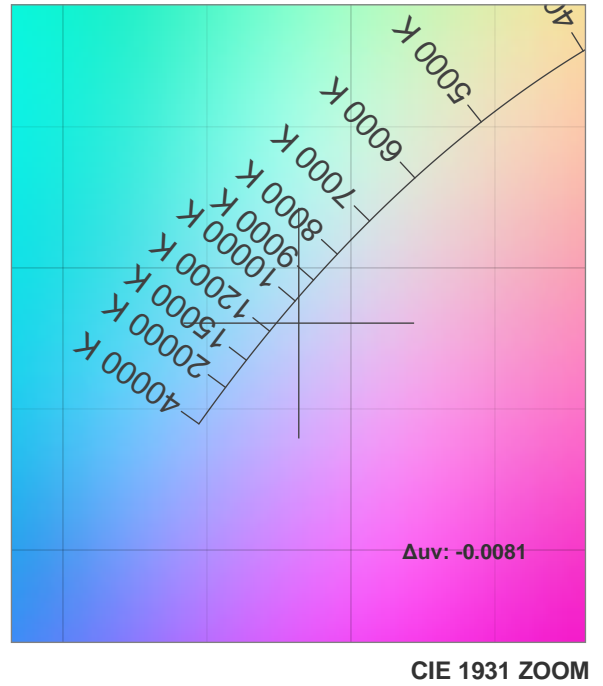
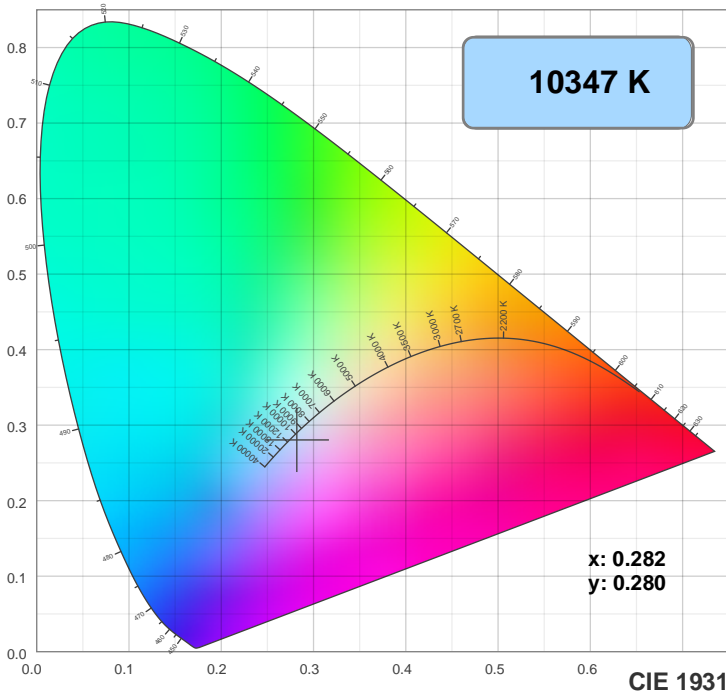
Dominant Wavelength: 467nm



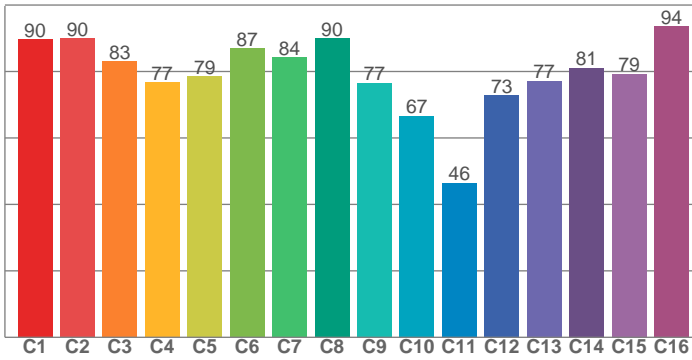
Power



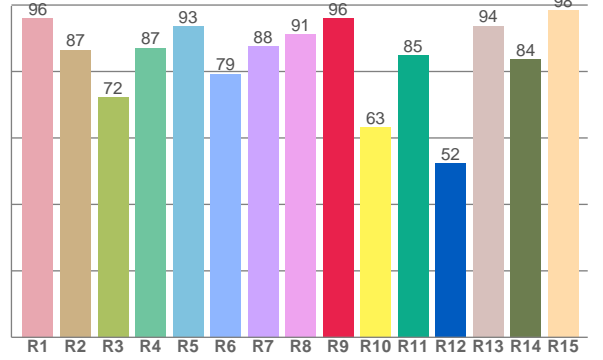
# Color Details



**TM30: 80.0**



**CRI: 86.7 (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
96.0	86.5	72.2	87.1	93.5	79.3	87.7	91.2	96.1	63.2	84.8	52.4	93.8	83.8	98.5

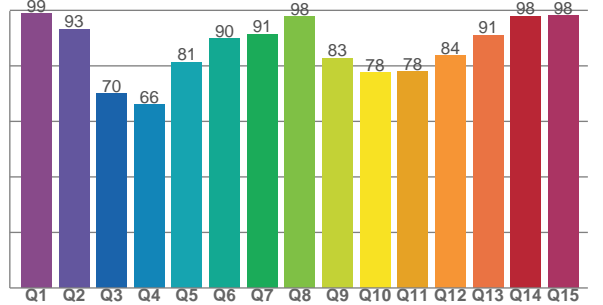
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	90.0	83.0	76.7	78.6	86.9	84.3	89.9	76.5	66.6	46.4	72.8	77.1	81.1	79.3	93.6

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.8	93.3	69.9	66.0	81.4	89.9	91.4	97.6	82.8	77.5	78.0	83.7	91.1	97.9	98.0

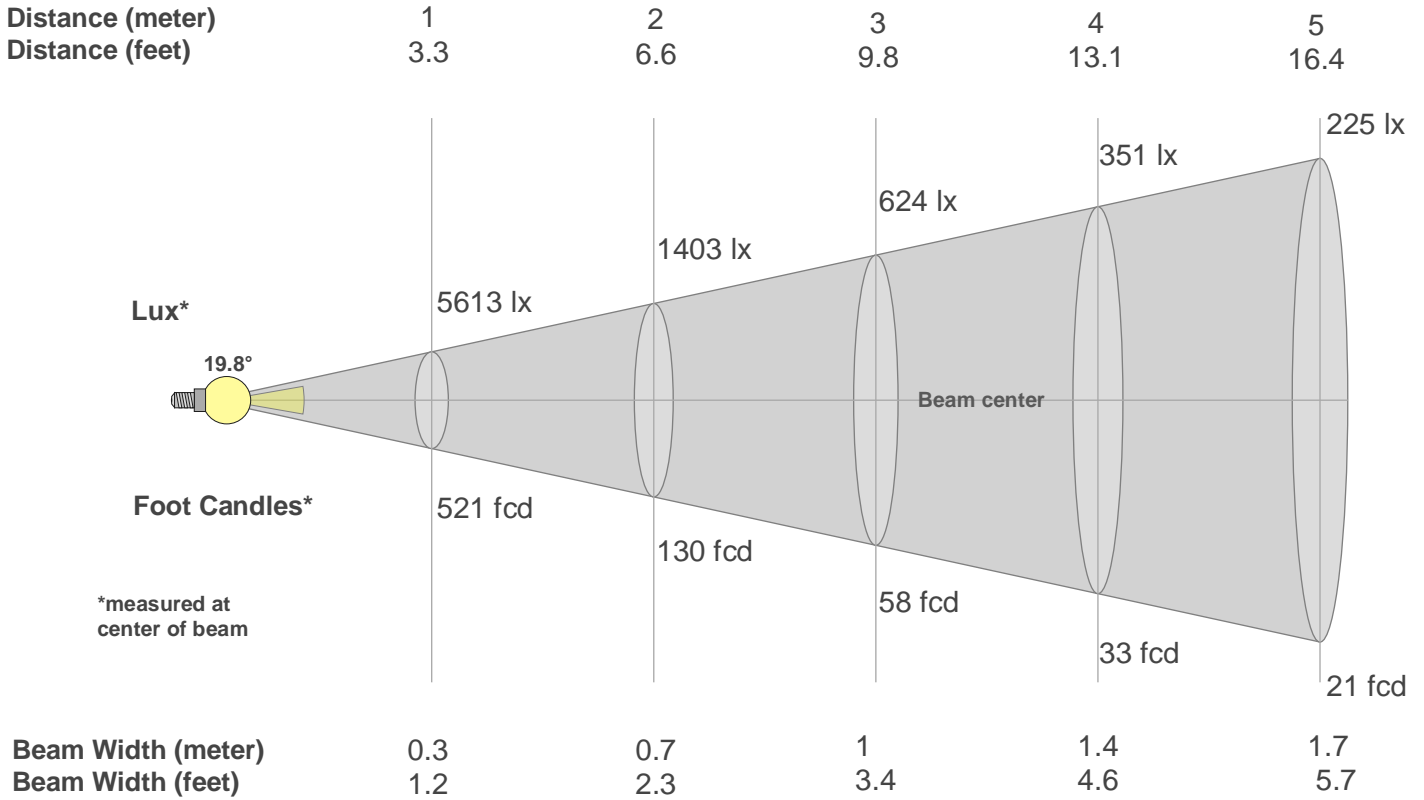
**CQS: 83.1**



## 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
10347 K	86.7	96.1	80.0	102.8	83.1	0.282	0.280	0.194	0.290	-0.0081

# 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	5613	1403	624	351	225	156	115	88	69	56	46	39	33	29	25	22	19	17	16	14
fcd	521.4	130.4	57.9	32.6	20.9	14.5	10.6	8.1	6.4	5.2	4.3	3.6	3.1	2.7	2.3	2	1.8	1.6	1.4	1.3

## Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5613	5576	5457	5264	4996	4677	4319	3937	3545	3155	2770	2410	2082	1781	1509	1269	1060	881	730	601
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	19%	16%	13%	11%

## Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5613	5576	5457	5264	4996	4677	4319	3937	3545	3155	2770	2410	2082	1781	1509	1269	1060	881	730	601
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	19%	16%	13%	11%

## Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5613	5569	5446	5250	4989	4670	4309	3928	3539	3151	2772	2411	2084	1788	1521	1283	1075	897	744	616
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	19%	16%	13%	11%

## Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5613	5569	5446	5250	4989	4670	4309	3928	3539	3151	2772	2411	2084	1788	1521	1283	1075	897	744	616
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	19%	16%	13%	11%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.8°	38.8°	52.3°	100.0%	99.9%