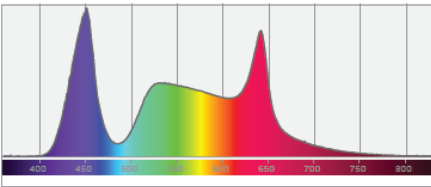
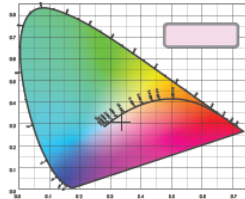


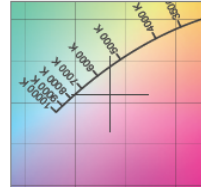
Spectral distribution



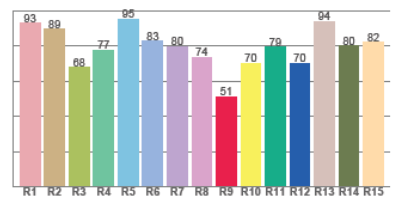
Color coordinates



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 for the latest revision/update of this report.

Focus Spot 5Z



Light Efficiency:



Light Quality:



Color Temperature:



Output: 11019 lm

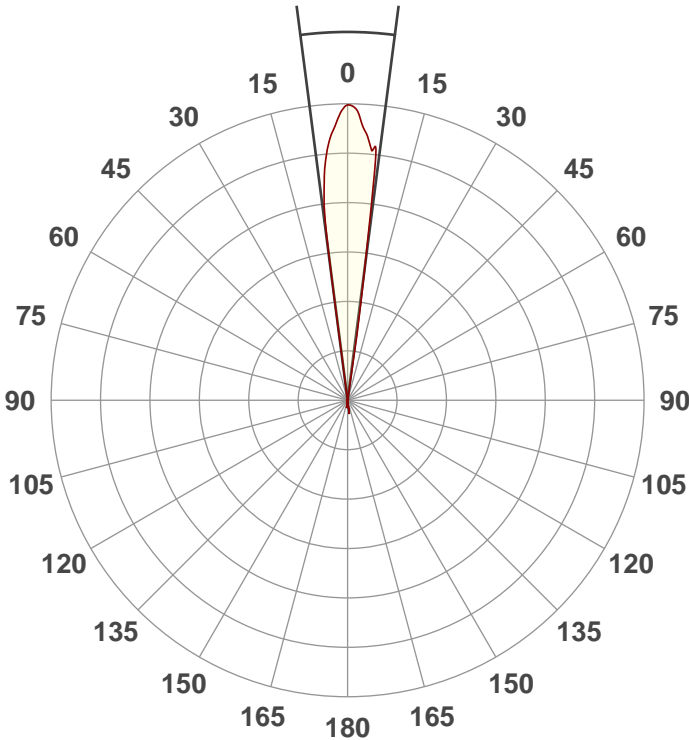
Peak: 234117 cd

Power: 432.1 W

PF: 1.0

Beam Angle

14.7°



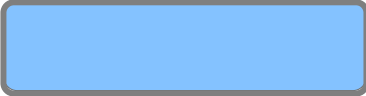
Test:

Zoom 50%

Date:

9/16/2019

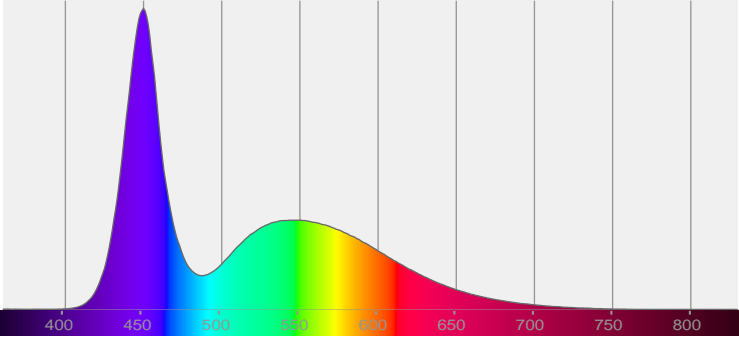
Note:



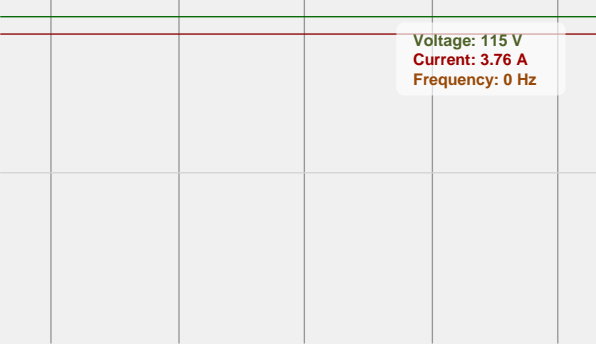
CIE 1931
x: 0.259
y: 0.251

Spectra

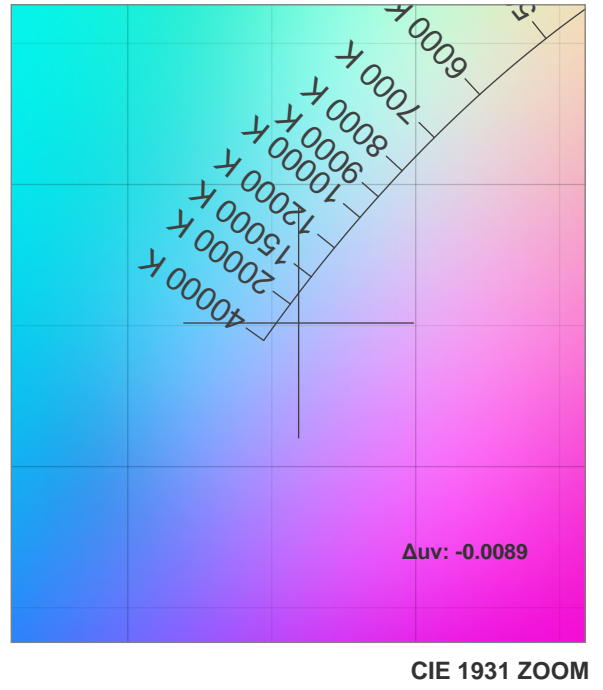
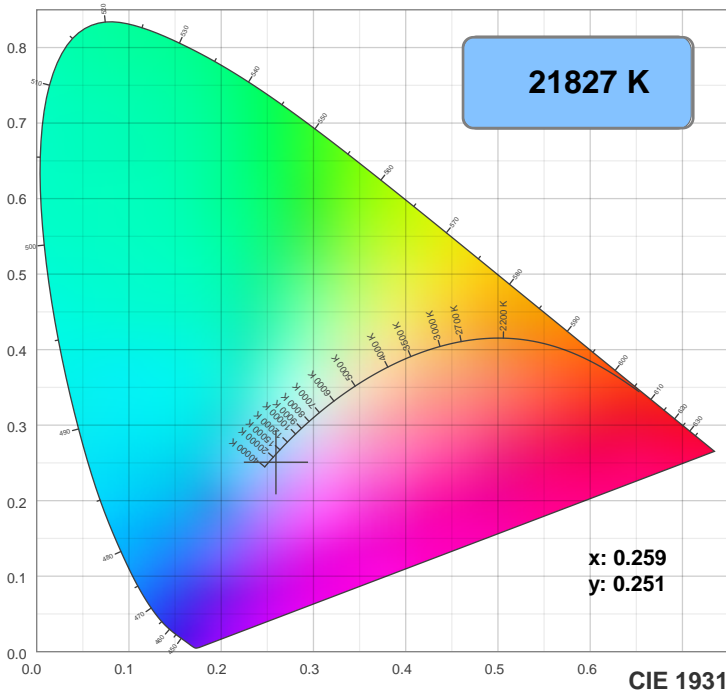
Dominant Wavelength: 469nm



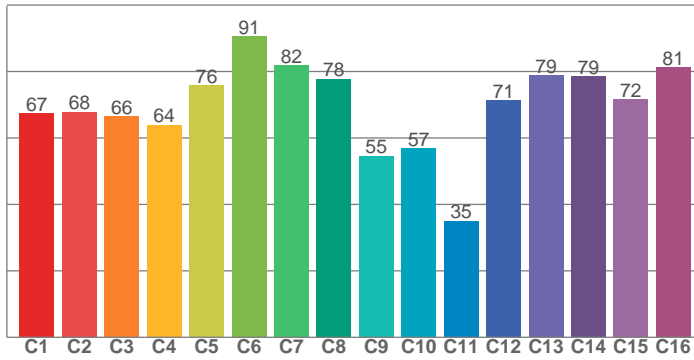
Power



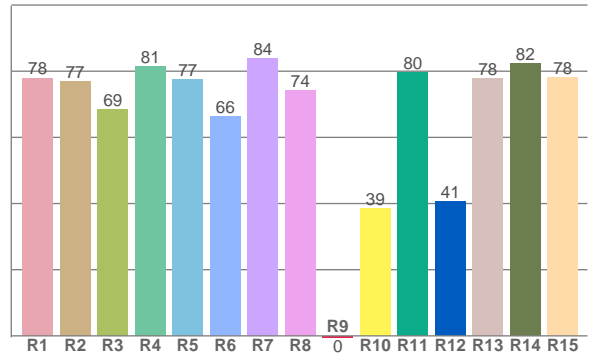
Color Details



TM30: 71.1



CRI: 75.9 (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
78.0	77.0	68.6	81.5	77.4	66.4	83.8	74.3	-0.4	38.5	79.7	40.8	77.7	82.3	78.1

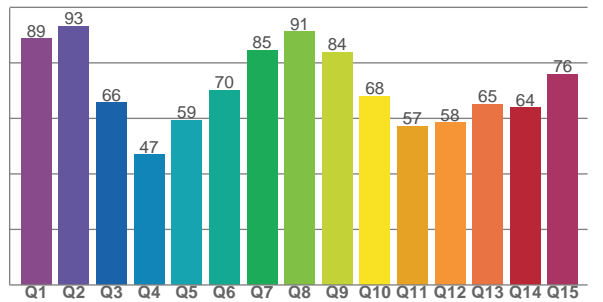
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.4	67.8	66.4	63.9	75.8	90.6	81.9	77.8	54.6	56.8	35.0	71.3	78.8	78.5	71.5	81.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.7	93.2	65.6	47.0	59.3	70.2	84.5	91.2	83.9	68.1	57.1	58.4	65.1	63.8	75.9

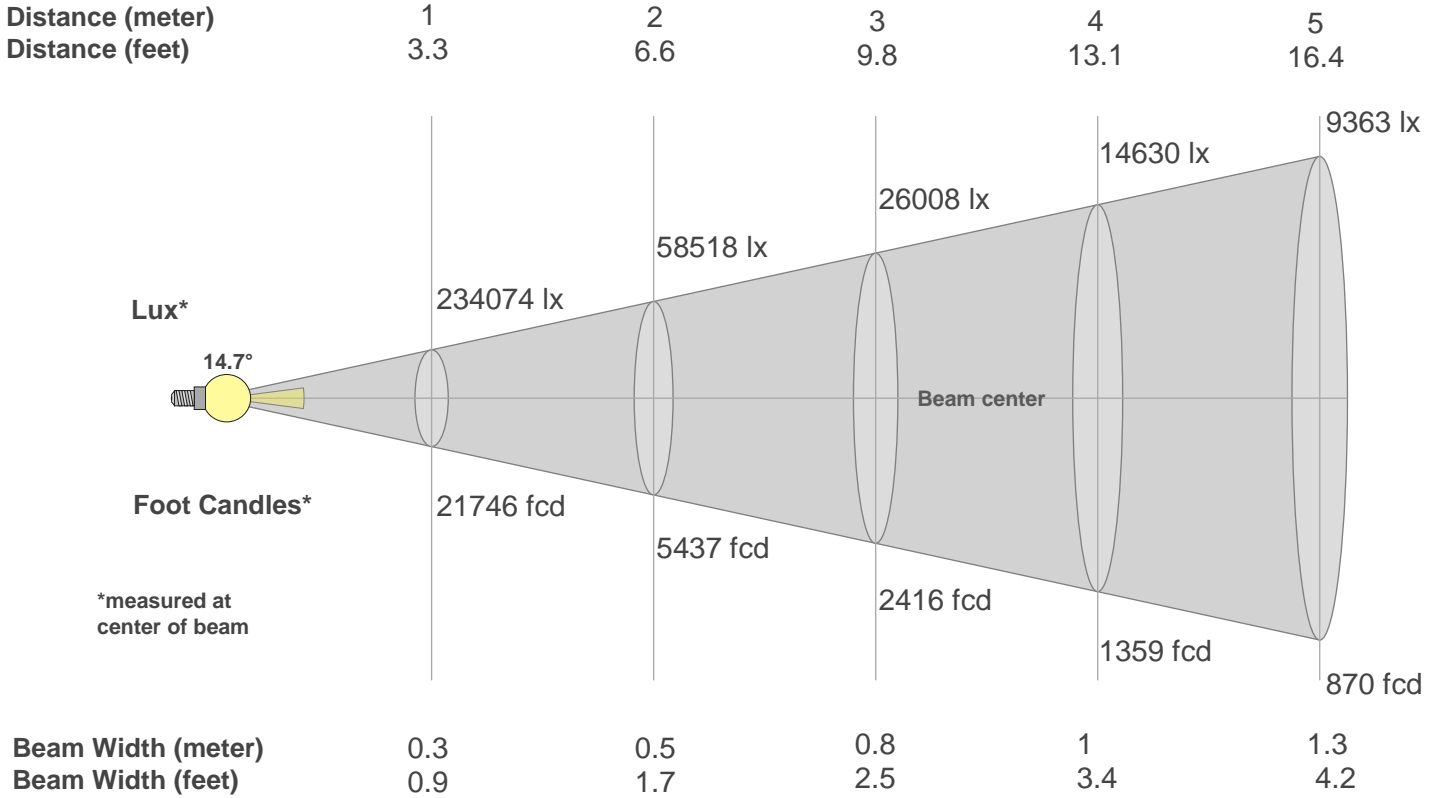
CQS: 68.4



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
21827 K	75.9	-0.4	71.1	93.1	68.4	0.259	0.251	0.189	0.274	-0.0089

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	234074	58518	26008	14630	9363	6502	4777	3657	2890	2341	1934	1626	1385	1194	1040	914	810	722	648	585
fcd	21746.4	5436.5	2416.2	1359.1	869.8	604.1	443.8	339.8	268.5	217.5	179.7	151	128.7	110.9	96.6	84.9	75.2	67.1	60.2	54.4

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°	
234K	231K	224K	215K	207K	195K	177K	141K	45K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	92%	88%	83%	75%	60%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
234K	231K	224K	215K	207K	195K	177K	141K	45K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	92%	88%	83%	75%	60%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
234K	233K	230K	220K	212K	204K	196K	154K	61K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	98%	94%	91%	87%	84%	66%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
234K	233K	230K	220K	212K	204K	196K	154K	61K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	98%	94%	91%	87%	84%	66%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
14.7°	16.8°	17.2°	100.0%	99.9%

Focus Spot 5Z

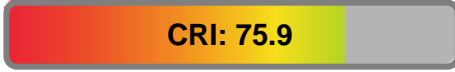


Light Efficiency:



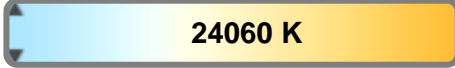
Output: 8980 lm

Light Quality:



Peak: 523089 cd

Color Temperature:



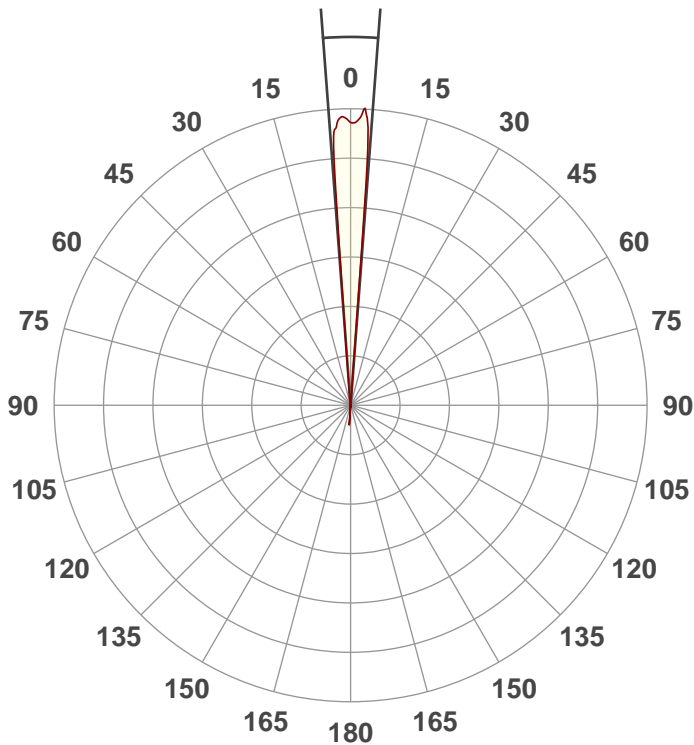
Power: 432.1 W

PF: 1.0



Beam Angle

8.6°



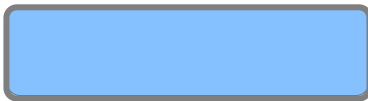
Test:

Zoom In

Date:

9/16/2019

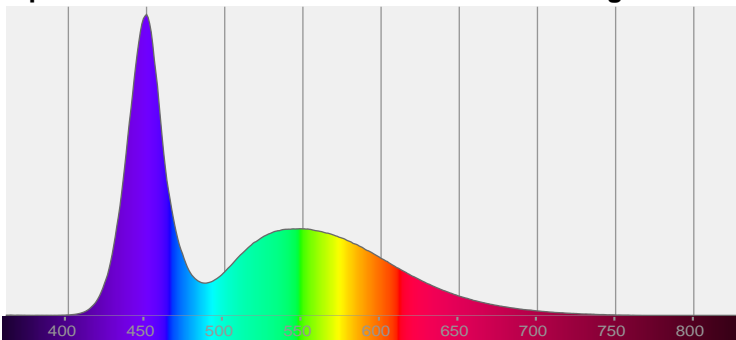
Note:



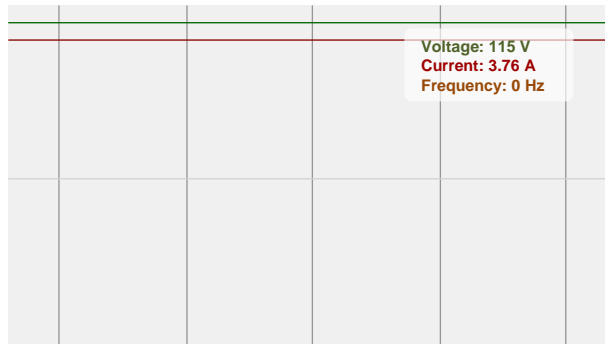
CIE 1931
x: 0.259
y: 0.248

Spectra

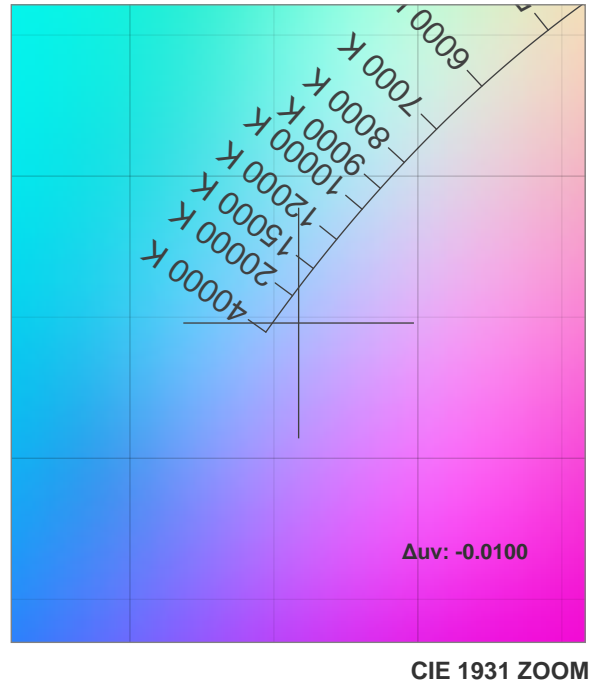
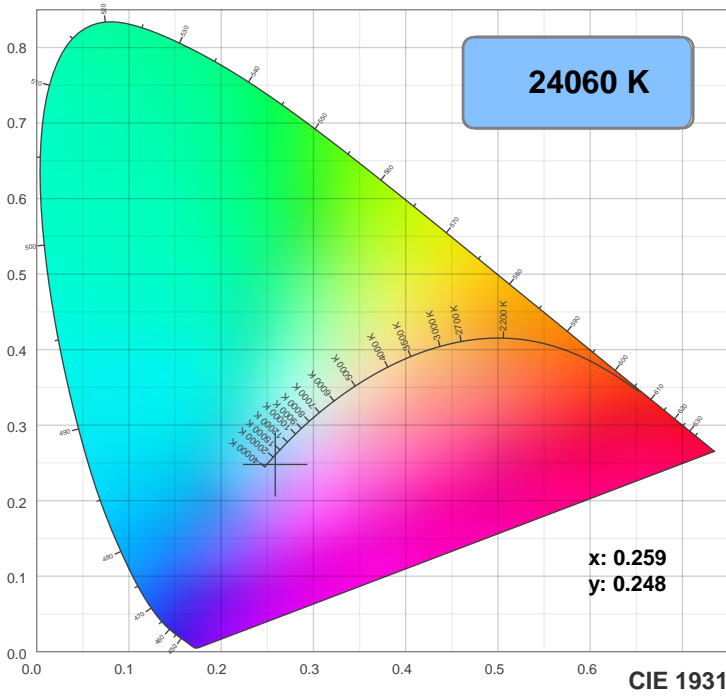
Dominant Wavelength: 469nm



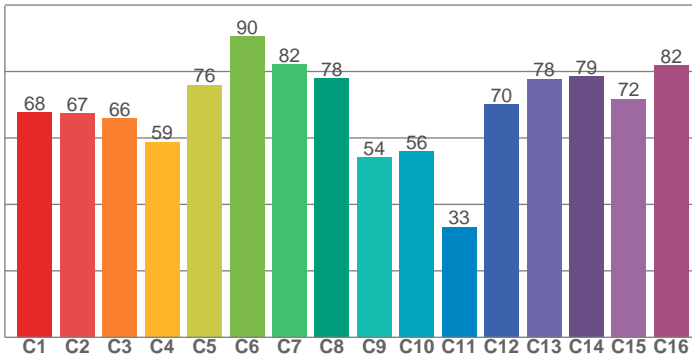
Power



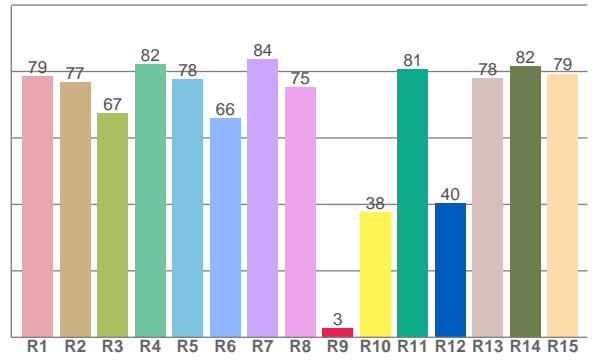
Color Details



TM30: 70.6



CRI: 75.9 (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
78.6	76.8	67.3	82.2	77.8	65.8	83.6	75.2	2.8	37.6	80.7	40.4	78.0	81.6	79.3

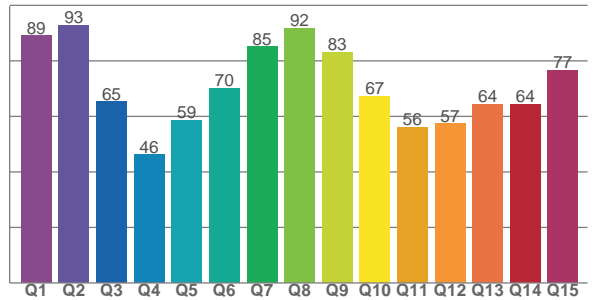
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.6	67.4	65.9	58.9	75.9	90.5	82.1	77.9	54.1	55.9	33.2	70.2	77.8	78.5	71.8	81.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.0	92.9	65.2	46.2	58.6	70.2	85.2	91.7	83.1	67.3	56.1	57.3	64.4	64.4	76.6

CQS: 68.0



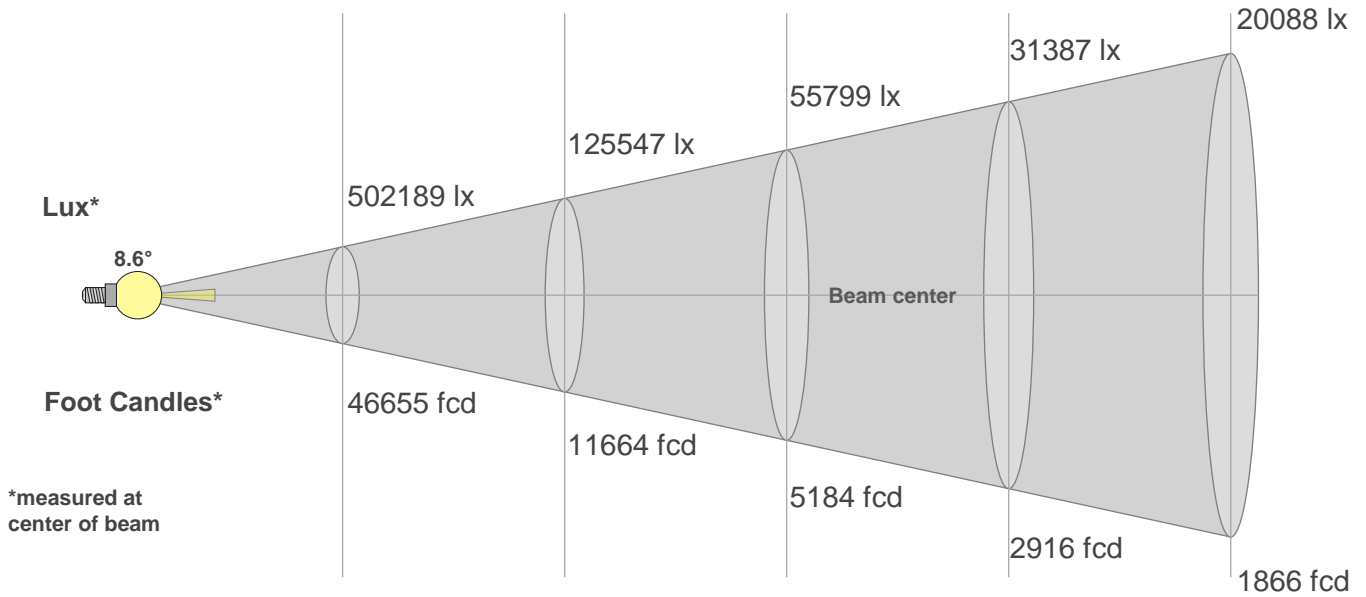
Color Parameters

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	Δuv
24060 K	75.9	2.8	70.6	93.5	68.0	0.259	0.248	0.190	0.273	-0.0100

Beam Details

Distance (meter)
Distance (feet)

1 2 3 4 5
3.3 6.6 9.8 13.1 16.4



Beam Width (meter)
Beam Width (feet)

0.2 0.3 0.5 0.6 0.8
0.5 1 1.5 2 2.5

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	502189	125547	55799	31387	20088	13950	10249	7847	6200	5022	4150	3487	2972	2562	2232	1962	1738	1550	1391	1255
fcd	46654.9	11663.7	5183.9	2915.9	1866.2	1296	952.1	729	576	466.5	385.6	324	276.1	238	207.4	182.2	161.4	144	129.2	116.6

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°	
502K	510K	510K	489K	378K	41K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	101%	102%	97%	75%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
502K	510K	510K	489K	378K	41K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	101%	102%	97%	75%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
502K	502K	512K	518K	391K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	102%	103%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
502K	502K	512K	518K	391K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	102%	103%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
8.6°	9.6°	10.4°	100.0%	100.0%

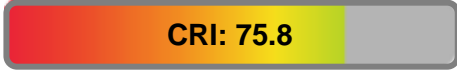
Focus Spot 5Z



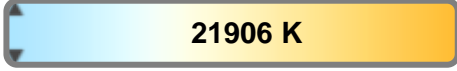
Light Efficiency:



Light Quality:



Color Temperature:



Output: 11291 lm

Peak: 69435 cd

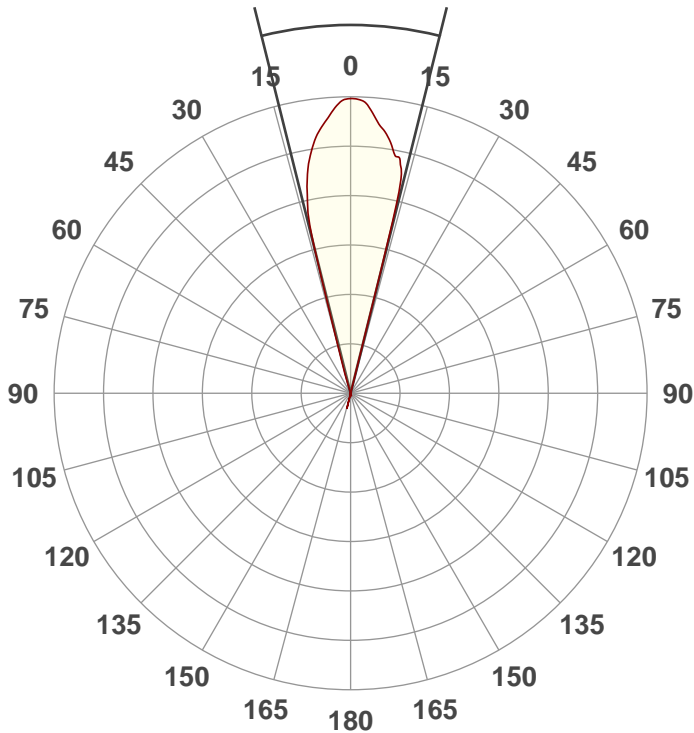
Power: 432.1 W

PF: 1.0



Beam Angle

28°



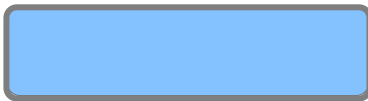
Test:

Zoom Out

Date:

9/16/2019

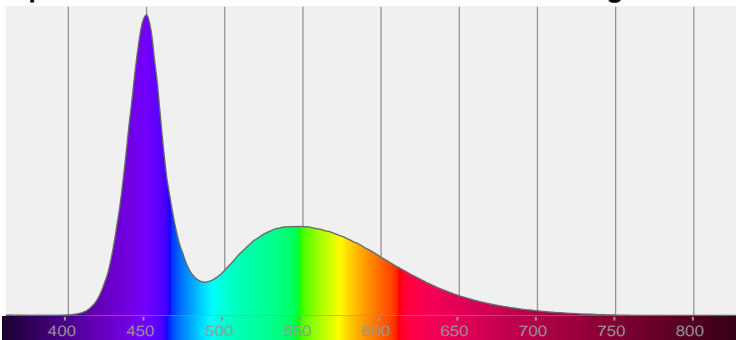
Note:



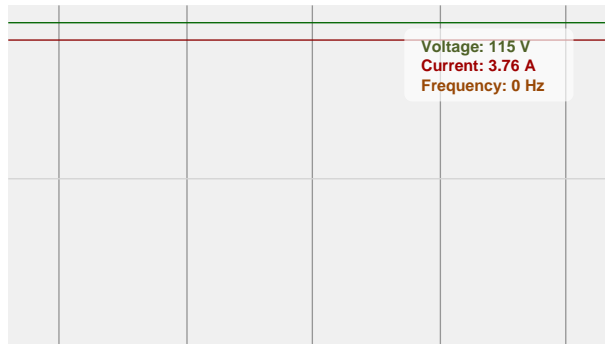
CIE 1931
x: 0.259
y: 0.251

Spectra

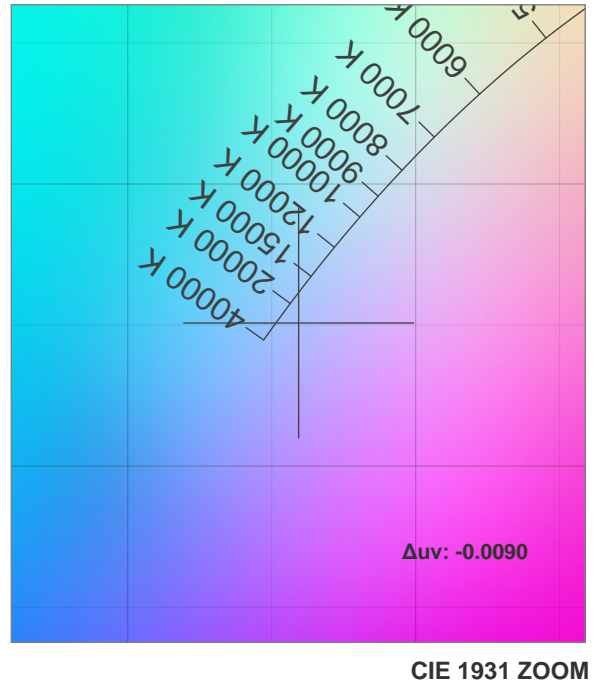
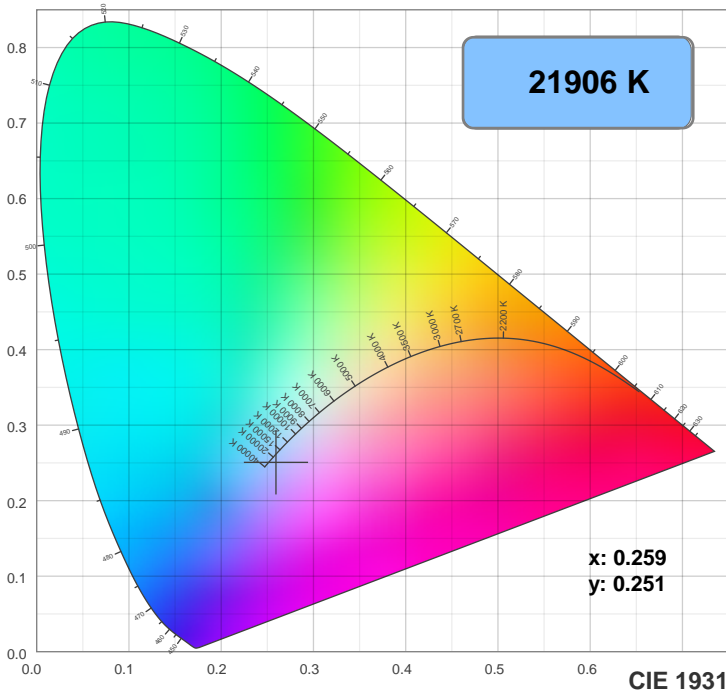
Dominant Wavelength: 469nm



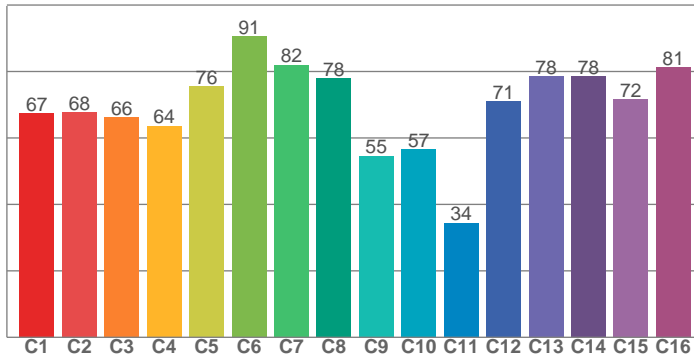
Power



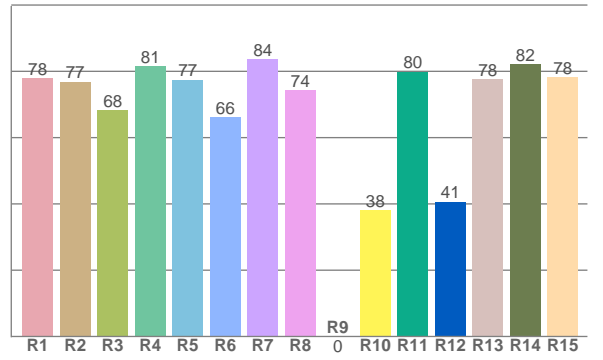
Color Details



TM30: 70.9



CRI: 75.8 (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
78.0	76.9	68.2	81.5	77.5	66.2	83.7	74.3	-0.2	38.0	79.9	40.7	77.7	82.1	78.2

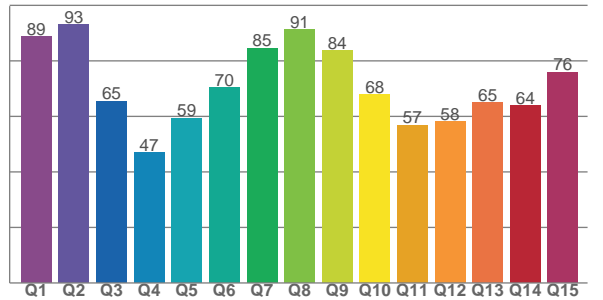
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.4	67.7	66.2	63.6	75.5	90.5	82.0	77.9	54.5	56.6	34.5	71.0	78.5	78.4	71.6	81.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.7	93.1	65.5	46.9	59.3	70.3	84.6	91.3	83.7	67.8	56.9	58.2	65.0	63.8	75.9

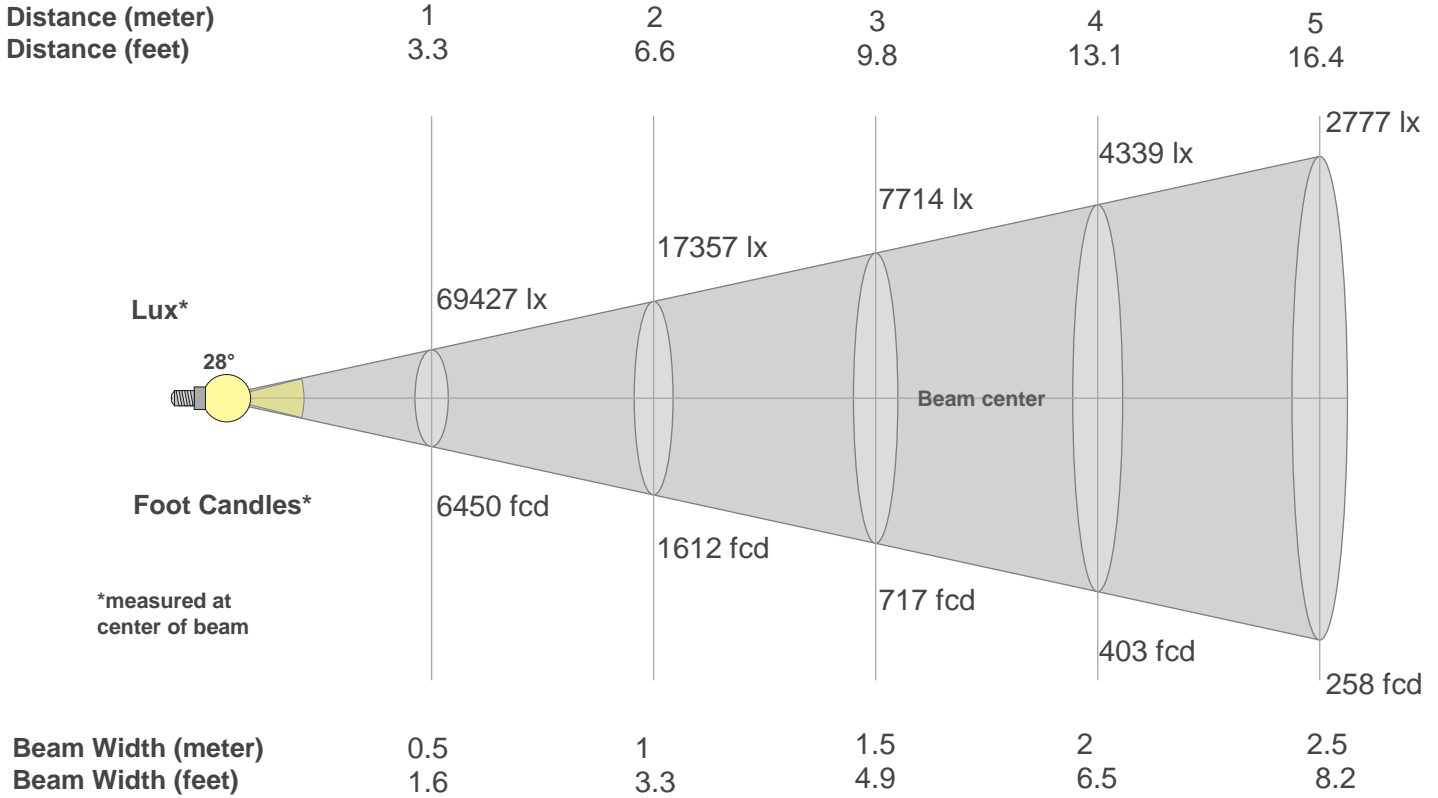
CQS: 68.3



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
21906 K	75.8	-0.2	70.9	93.2	68.3	0.259	0.251	0.189	0.274	-0.0090

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	69427	17357	7714	4339	2777	1929	1417	1085	857	694	574	482	411	354	309	271	240	214	192	174
fcd	6450	1612.5	716.7	403.1	258	179.2	131.6	100.8	79.6	64.5	53.3	44.8	38.2	32.9	28.7	25.2	22.3	19.9	17.9	16.1

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°
69.4K	69.2K	68.6K	67.5K	66.1K	64.7K	63.4K	61.9K	60.3K	58.2K	55.8K	52.9K	49.1K	43.5K	34.7K	15.3K	5.0K	0.0K	0.0K	0.0K
100%	100%	99%	97%	95%	93%	91%	89%	87%	84%	80%	76%	71%	63%	50%	22%	7%	0%	0%	0%

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°
69.4K	69.2K	68.6K	67.5K	66.1K	64.7K	63.4K	61.9K	60.3K	58.2K	55.8K	52.9K	49.1K	43.5K	34.7K	15.3K	5.0K	0.0K	0.0K	0.0K
100%	100%	99%	97%	95%	93%	91%	89%	87%	84%	80%	76%	71%	63%	50%	22%	7%	0%	0%	0%

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°
69.4K	69.3K	69.0K	68.5K	67.0K	65.4K	63.8K	62.7K	61.4K	59.9K	58.1K	56.7K	55.8K	49.9K	34.6K	4.7K	0.0K	0.0K	0.0K	0.0K
100%	100%	99%	99%	96%	94%	92%	90%	88%	86%	84%	82%	80%	72%	50%	7%	0%	0%	0%	0%

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°
69.4K	69.3K	69.0K	68.5K	67.0K	65.4K	63.8K	62.7K	61.4K	59.9K	58.1K	56.7K	55.8K	49.9K	34.6K	4.7K	0.0K	0.0K	0.0K	0.0K
100%	100%	99%	99%	96%	94%	92%	90%	88%	86%	84%	82%	80%	72%	50%	7%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
28°	30.6°	31.7°	99.9%	99.9%