Nanlux Evoke 150C

Measurement overview | 100 % measurements and reflectors

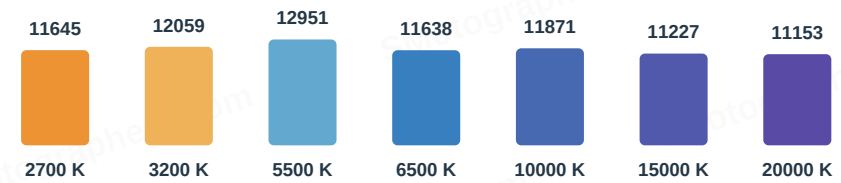
LED EVALUATOR

Key values at maximum brightness

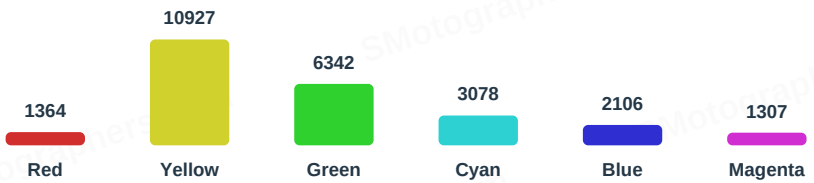
For each target CCT and RGB hue the highest available brightness level is shown. EV = log2(2 x lux / 5).
Duv, CRI/R9, SSI, TM-30 and TLCI are not reported for saturated RGB colours, where they are not meaningful. TLCI is for information only.

Type	Target CCT / hue	Level	Lux	EV	Measured CCT / hue	Duv	CRI Ra	R9	SSI	TM-30 Rf	TM-30 Rg	TLCI	Source
White	2700 K	100%	11645	12.19	2707 K	-0.00208	98.7	96.0	87.0	96.0	100.0	99	OHS-140843.csv
White	3200 K	100%	12059	12.24	3253 K	-0.00170	99.0	96.0	85.0	97.0	100.0	99	OHS-141151.csv
White	5500 K	100%	12951	12.34	5833 K	-0.00198	98.0	94.0	76.0	97.0	101.0	99	OHS-141407.csv
White	6500 K	100%	11638	12.18	7159 K	-0.00317	96.3	80.0	70.0	96.0	102.0	98	OHS-141646.csv
White	10000 K	100%	11871	12.21	12031 K	-0.00249	96.9	92.0	67.0	94.0	100.0	97	OHS-142733.csv
White	15000 K	100%	11227	12.13	20873 K	-0.00227	96.4	83.0	63.0	93.0	100.0	95	OHS-142959.csv
White	20000 K	100%	11153	12.12	25185 K	-0.00086	95.5	77.0	62.0	93.0	100.0	96	OHS-143621.csv
Red	0.0 deg	100%	1364	9.09	0.0 deg	-	-	-	-	-	-	-	OHS-152704.csv
Yellow	60.0 deg	100%	10927	12.09	50.9 deg	-	-	-	-	-	-	-	OHS-152720.csv
Green	120.0 deg	100%	6342	11.31	135.6 deg	-	-	-	-	-	-	-	OHS-152737.csv
Cyan	180.0 deg	100%	3078	10.27	186.7 deg	-	-	-	-	-	-	-	OHS-152751.csv
Blue	240.0 deg	100%	2106	9.72	240.0 deg	-	-	-	-	-	-	-	OHS-152809.csv
Magenta	300.0 deg	100%	1307	9.03	311.4 deg	-	-	-	-	-	-	-	OHS-152825.csv

White light output at 100 % across all CCTs



RGB output at 100 % across all colours



Output with all reflectors

Reflector	Target CCT	Level	Lux	EV	Measured CCT	Duv	CRI Ra	R9	Source
BDR-W55	5500 K	100%	1895	9.57	5905 K	0.00423	96.6	85.0	OHS-143909.csv
Kit reflector	5500 K	100%	23746	13.21	5991 K	-0.00085	98.3	99.0	OHS-144013.csv
Standard reflector	5500 K	100%	21915	13.10	5930 K	-0.00074	98.3	98.0	OHS-143748.csv

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Nanlux Evoke 150C

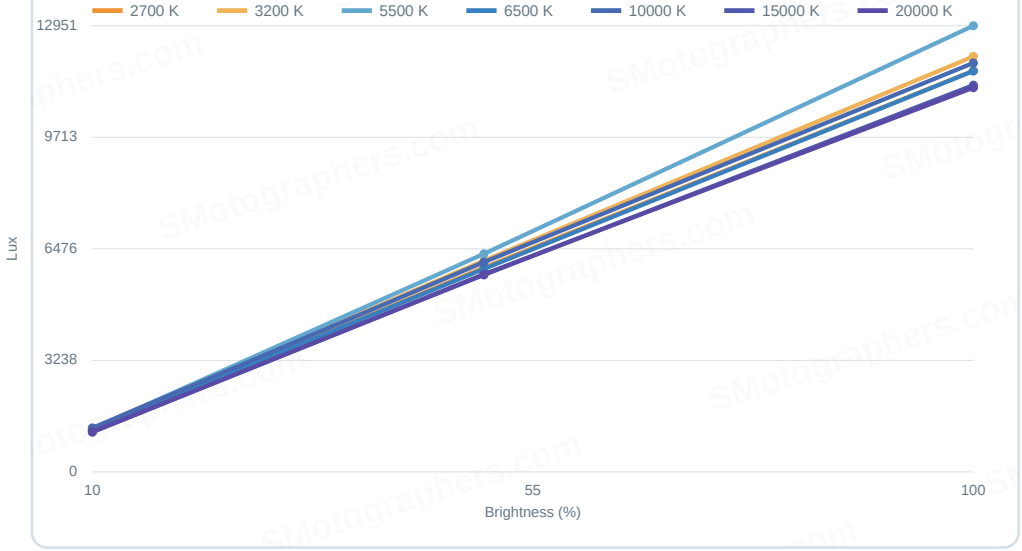
LED Lab Report | Lab-Test

TOTAL	COLOUR	POWER	USABILITY	RGB
77.8	77.9	91.4	78.0	64.1

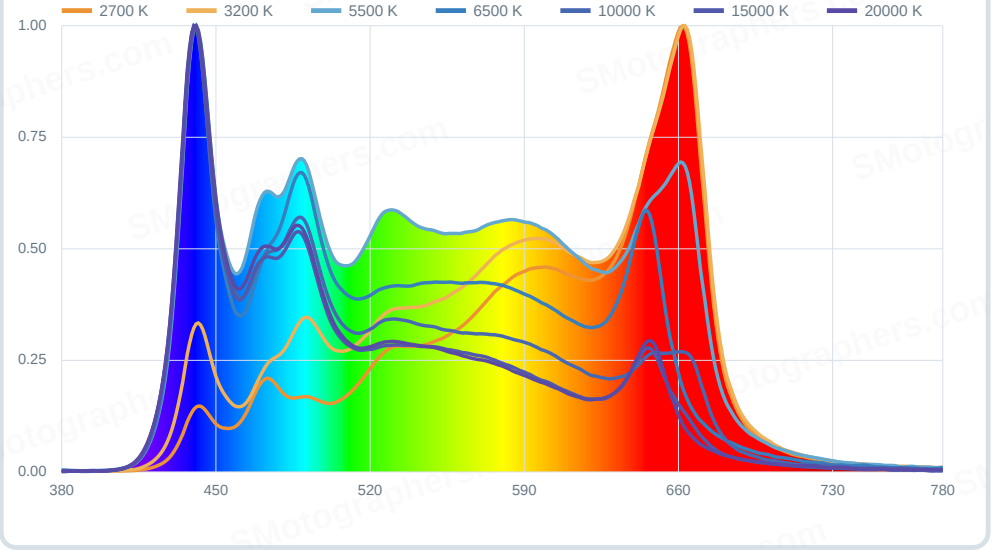
Luminaire	Value	Test	Value
LED type	RGB	Power	150.0 W
Test date	2026-07-30	Distance	1.00 m
Modifier	Lab-Standard	Mode	Linear (current)
RGB in total	Yes	Measurements	42

Target CCT	Max Lux	Measured CCT	Duv	Ra	SSI	Rf	Rg	TLCI
2700 K	11645	2707	-0.00208	98.7	87.0	96.0	100.0	99
3200 K	12059	3253	-0.00170	99.0	85.0	97.0	100.0	99
5500 K	12951	5833	-0.00198	98.0	76.0	97.0	101.0	99
6500 K	11638	7159	-0.00317	96.3	70.0	96.0	102.0	98
10000 K	11871	12031	-0.00249	96.9	67.0	94.0	100.0	97
15000 K	11227	20873	-0.00227	96.4	63.0	93.0	100.0	95
20000 K	11153	25185	-0.00086	95.5	62.0	93.0	100.0	96

Output across CCTs and levels



Spectrum at maximum brightness



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Nanlux Evoke 150C

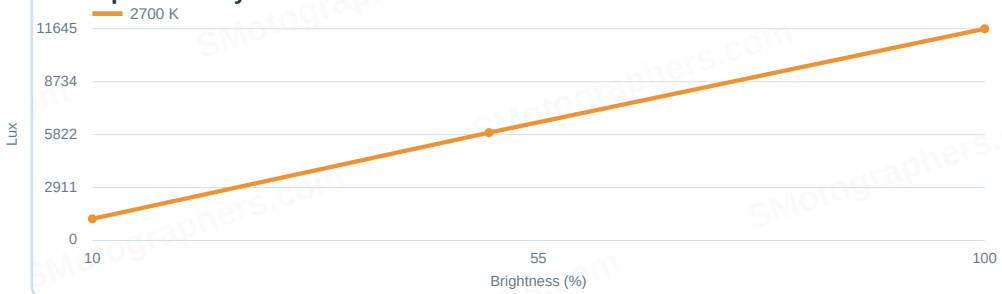
White light detail | Target CCT 2700 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1192	2695 K	-0.00088	1.55	98.7	96.0	659 nm
50%	5932	2635 K	-0.00188	4.29	98.7	96.0	660 nm
100%	11645	2707 K	-0.00208	2.64	98.7	96.0	662 nm

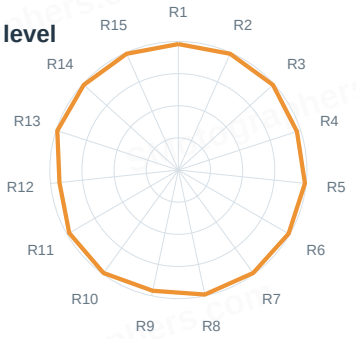
Colour metric	Value
SSI	87
TM-30 Rf	96
TM-30 Rg	100
TLCI (Info)	99
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	7 K
Mired deviation	0.96
Source	OHS-140843.csv

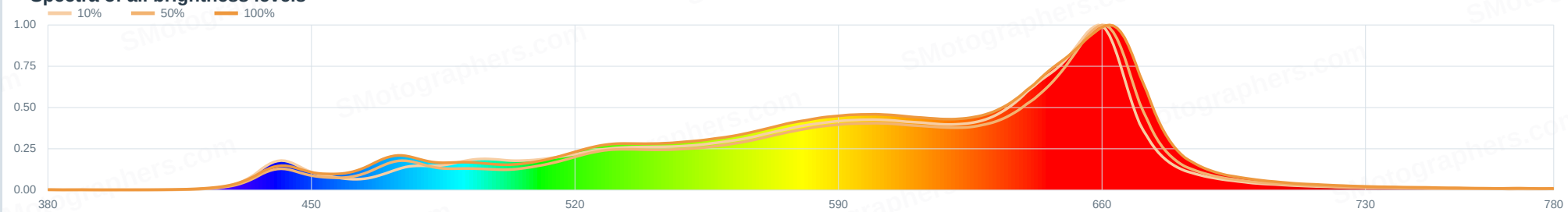
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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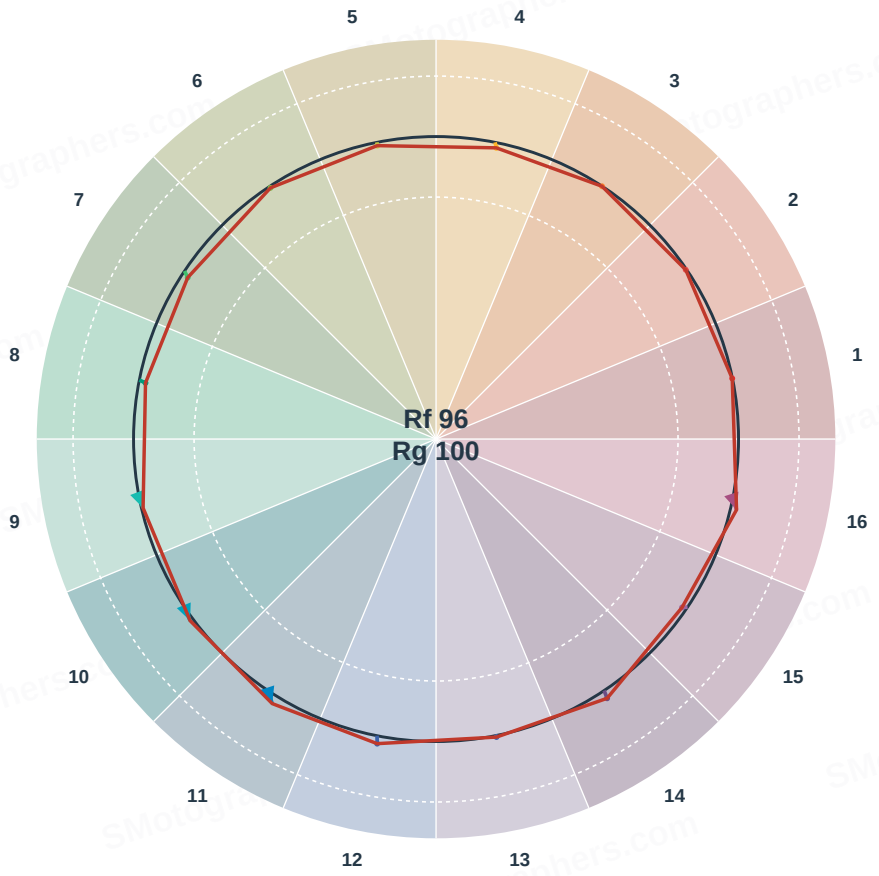
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 2700 K

LED EVALUATOR

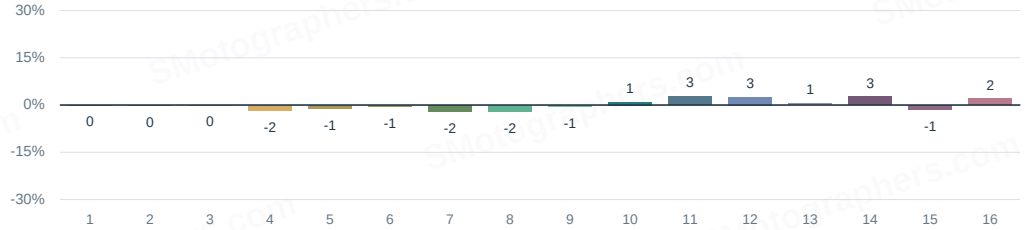
TM-30 RF	TM-30 RG	SSI [P2704]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	100	87	2707 K	-0.0020	99	100 %

Color Vector Graphic

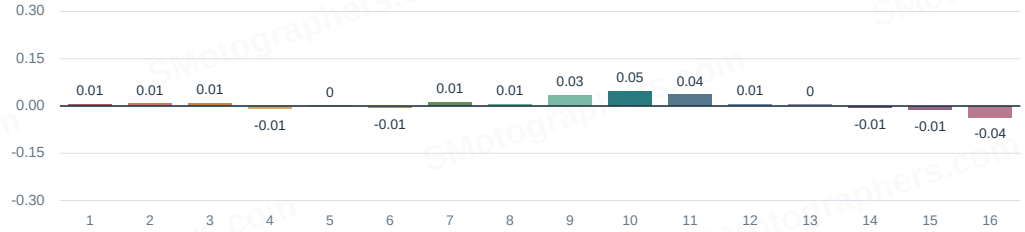


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

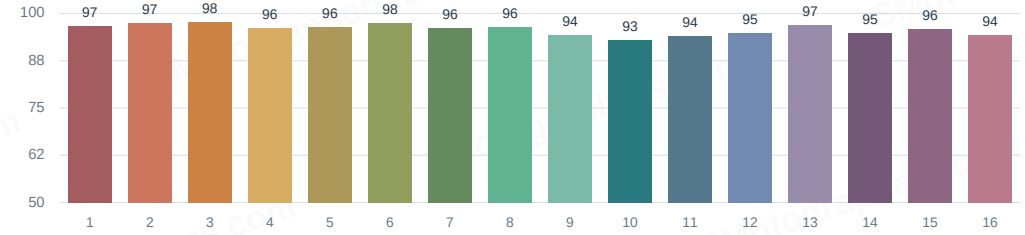
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 2700 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P2704]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	100	87	2707 K	-0.0020	99	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-0 % Chroma	-0 % Chroma	-0 % Chroma	-2 % Chroma	-1 % Chroma	-1 % Chroma	-2 % Chroma	-2 % Chroma	-1 % Chroma	+1 % Chroma	+3 % Chroma	+3 % Chroma	+1 % Chroma	+3 % Chroma	-1 % Chroma	+2 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 1 Rf 98	CES 2 Rf 97	CES 3 Rf 92	CES 4 Rf 94	CES 5 Rf 94	CES 6 Rf 97	CES 7 Rf 99	CES 8 Rf 97	CES 9 Rf 98	CES 98 Rf 97	CES 99 Rf 98
CES 10 Rf 96	CES 11 Rf 96	CES 12 Rf 96	CES 13 Rf 99	CES 14 Rf 100	CES 15 Rf 97	CES 16 Rf 99	CES 17 Rf 98	CES 18 Rf 98	CES 19 Rf 97	CES 20 Rf 97
CES 21 Rf 97	CES 22 Rf 99	CES 23 Rf 99	CES 24 Rf 98	CES 25 Rf 96	CES 26 Rf 99	CES 27 Rf 94	CES 28 Rf 99	CES 29 Rf 97	CES 30 Rf 93	CES 31 Rf 97
CES 33 Rf 96	CES 36 Rf 89	CES 32 Rf 99	CES 34 Rf 98	CES 35 Rf 98	CES 37 Rf 94	CES 38 Rf 90	CES 39 Rf 98	CES 40 Rf 98	CES 41 Rf 96	CES 42 Rf 98
CES 43 Rf 97	CES 44 Rf 99	CES 45 Rf 98	CES 47 Rf 95	CES 46 Rf 98	CES 48 Rf 93	CES 49 Rf 98	CES 50 Rf 96	CES 51 Rf 96	CES 52 Rf 97	CES 53 Rf 96
CES 54 Rf 95	CES 55 Rf 93	CES 56 Rf 94	CES 57 Rf 93	CES 58 Rf 93	CES 59 Rf 97	CES 60 Rf 95	CES 61 Rf 95	CES 62 Rf 90	CES 64 Rf 93	CES 65 Rf 94
CES 66 Rf 92	CES 67 Rf 92	CES 68 Rf 94	CES 63 Rf 96	CES 69 Rf 94	CES 70 Rf 94	CES 71 Rf 92	CES 72 Rf 97	CES 73 Rf 93	CES 75 Rf 93	CES 74 Rf 92
CES 76 Rf 96	CES 77 Rf 94	CES 78 Rf 95	CES 79 Rf 98	CES 80 Rf 97	CES 81 Rf 94	CES 82 Rf 98	CES 83 Rf 98	CES 84 Rf 97	CES 85 Rf 92	CES 86 Rf 94
CES 87 Rf 97	CES 88 Rf 96	CES 89 Rf 95	CES 90 Rf 97	CES 91 Rf 86	CES 92 Rf 93	CES 93 Rf 96	CES 94 Rf 98	CES 95 Rf 93	CES 96 Rf 98	CES 97 Rf 97

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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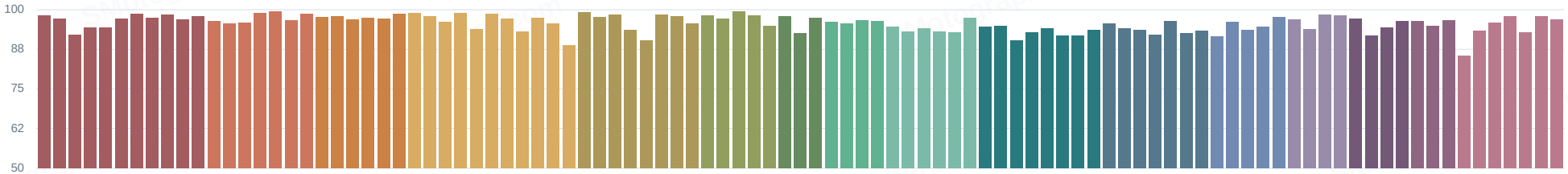
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 2700 K

LED EVALUATOR

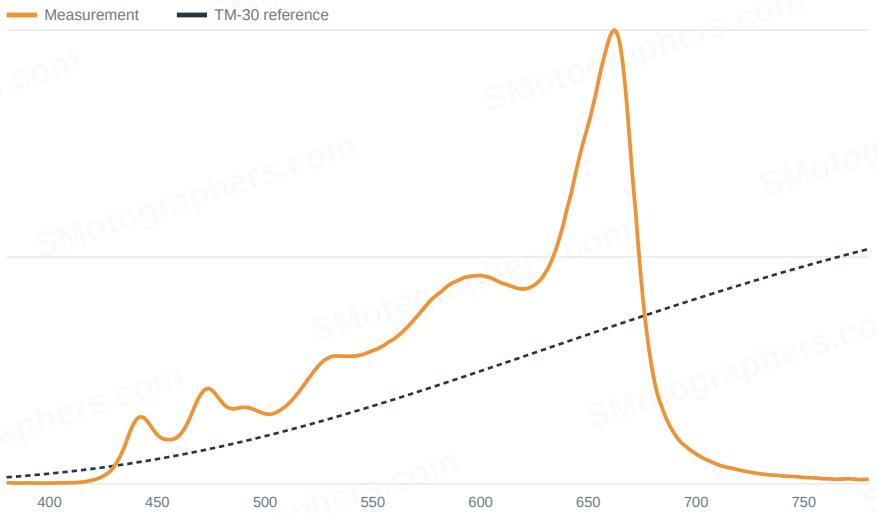
TM-30 RF	TM-30 RG	SSI [P2704]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	100	87	2707 K	-0.0020	99	100 %

Fidelity per colour sample Rf,CES1-99

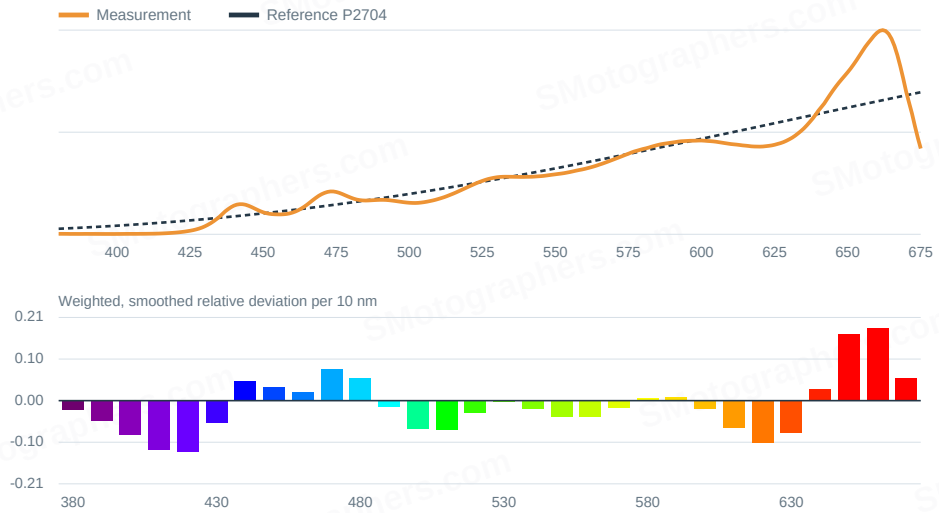


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P2704]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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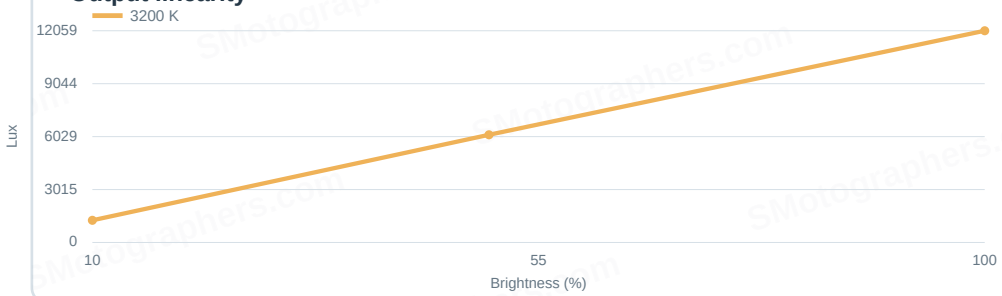
White light detail | Target CCT 3200 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1263	3212 K	-0.00064	6.15	99.4	96.0	659 nm
50%	6134	3153 K	-0.00193	5.00	98.4	88.0	660 nm
100%	12059	3253 K	-0.00170	5.95	99.0	96.0	663 nm

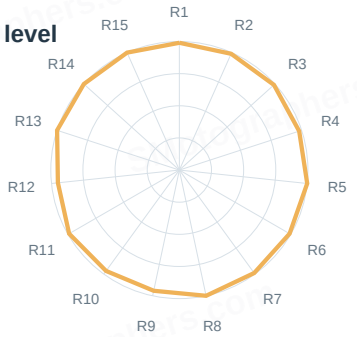
Colour metric	Value
SSI	85
TM-30 Rf	97
TM-30 Rg	100
TLCI (Info)	99
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	53 K
Mired deviation	5.09
Source	OHS-141151.csv

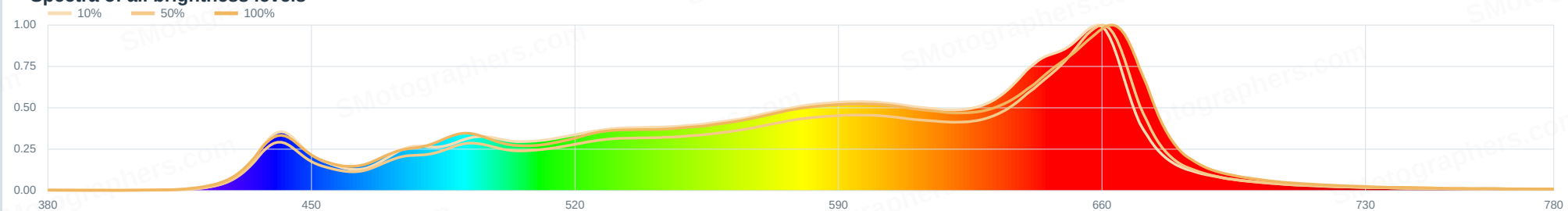
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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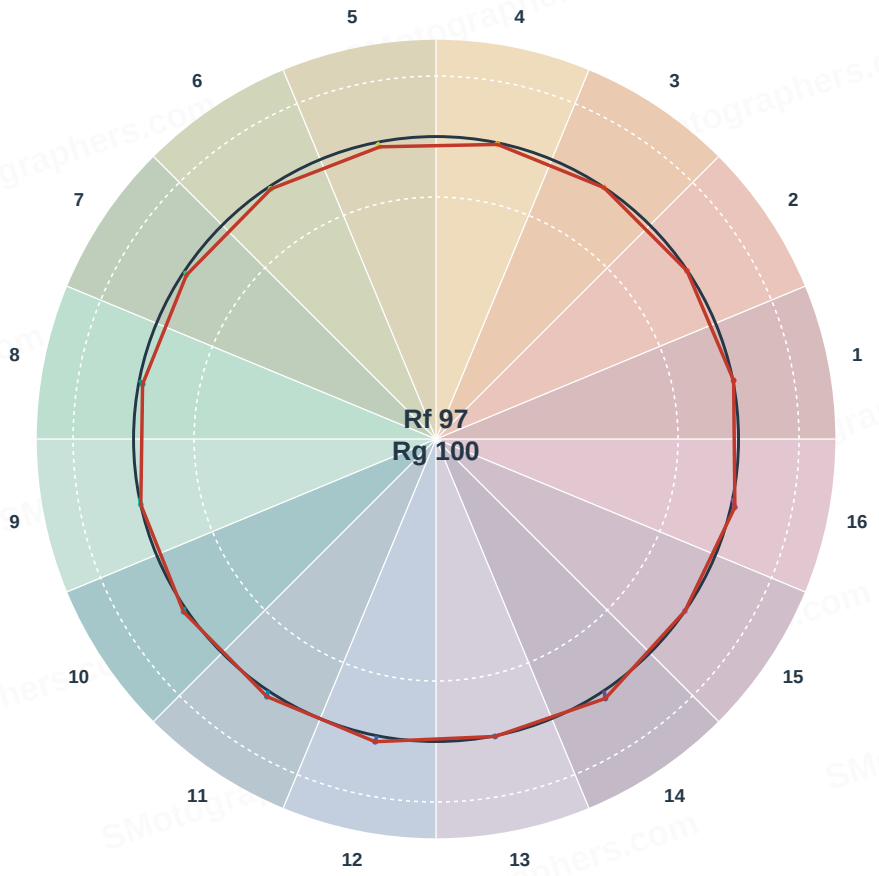
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 3200 K

LED EVALUATOR

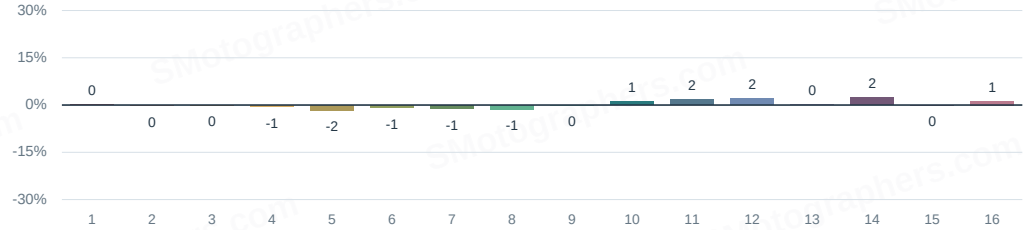
TM-30 RF	TM-30 RG	SSI [P3262]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	100	85	3252 K	-0.0017	99	100 %

Color Vector Graphic

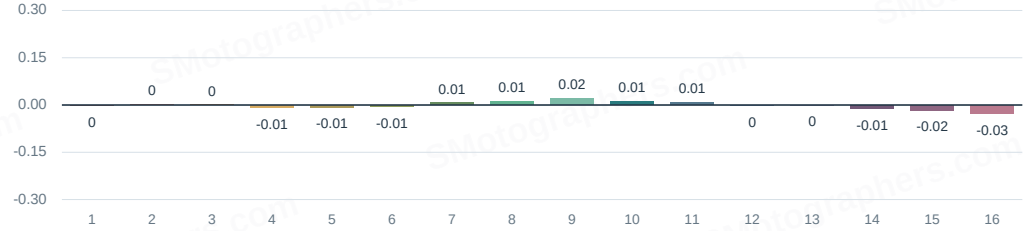


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

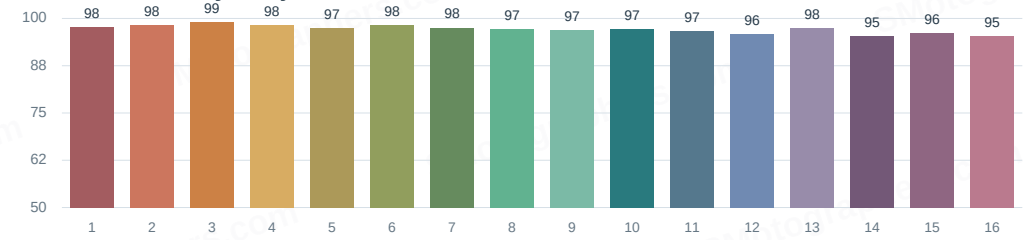
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 3200 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [P3262]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	100	85	3252 K	-0.0017	99	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+0 % Chroma	-0 % Chroma	-0 % Chroma	-1 % Chroma	-2 % Chroma	-1 % Chroma	-1 % Chroma	-1 % Chroma	-0 % Chroma	+1 % Chroma	+2 % Chroma	+2 % Chroma	+0 % Chroma	+2 % Chroma	-0 % Chroma	+1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 1 Rf 99	CES 2 Rf 99	CES 3 Rf 92	CES 4 Rf 97	CES 5 Rf 97	CES 6 Rf 99	CES 7 Rf 99	CES 8 Rf 97	CES 9 Rf 99	CES 99 Rf 99	CES 10 Rf 98	CES 11 Rf 98	CES 12 Rf 98	CES 13 Rf 99	CES 14 Rf 100	CES 15 Rf 98	CES 16 Rf 98	CES 17 Rf 99	CES 18 Rf 98	CES 19 Rf 99
CES 20 Rf 99	CES 21 Rf 99	CES 22 Rf 99	CES 23 Rf 99	CES 24 Rf 99	CES 25 Rf 99	CES 26 Rf 99	CES 27 Rf 94	CES 28 Rf 99	CES 29 Rf 98	CES 30 Rf 99	CES 31 Rf 97	CES 32 Rf 98	CES 33 Rf 100	CES 34 Rf 99	CES 35 Rf 99	CES 36 Rf 91	CES 37 Rf 97	CES 38 Rf 96	CES 39 Rf 99
CES 40 Rf 98	CES 41 Rf 99	CES 42 Rf 97	CES 43 Rf 98	CES 44 Rf 99	CES 45 Rf 98	CES 46 Rf 99	CES 47 Rf 99	CES 48 Rf 97	CES 49 Rf 98	CES 50 Rf 97	CES 51 Rf 97	CES 52 Rf 98	CES 53 Rf 97	CES 54 Rf 97	CES 55 Rf 96	CES 56 Rf 97	CES 57 Rf 97	CES 58 Rf 98	CES 59 Rf 98
CES 60 Rf 96	CES 61 Rf 96	CES 62 Rf 96	CES 64 Rf 98	CES 65 Rf 97	CES 66 Rf 98	CES 67 Rf 98	CES 68 Rf 96	CES 63 Rf 97	CES 69 Rf 96	CES 70 Rf 97	CES 71 Rf 97	CES 72 Rf 98	CES 73 Rf 94	CES 75 Rf 97	CES 76 Rf 98	CES 74 Rf 94	CES 77 Rf 95	CES 78 Rf 95	CES 79 Rf 99
CES 80 Rf 98	CES 81 Rf 95	CES 82 Rf 99	CES 83 Rf 99	CES 84 Rf 97	CES 85 Rf 93	CES 86 Rf 96	CES 87 Rf 96	CES 88 Rf 96	CES 89 Rf 96	CES 90 Rf 98	CES 92 Rf 94	CES 91 Rf 86	CES 93 Rf 97	CES 94 Rf 98	CES 95 Rf 93	CES 96 Rf 98	CES 97 Rf 98	CES 98 Rf 98	

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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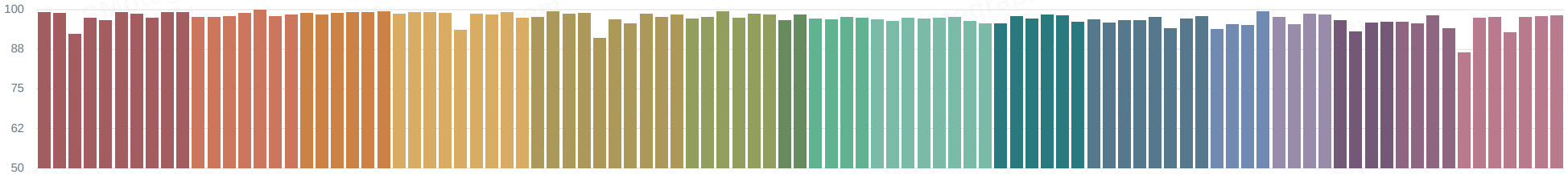
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 3200 K

LED EVALUATOR

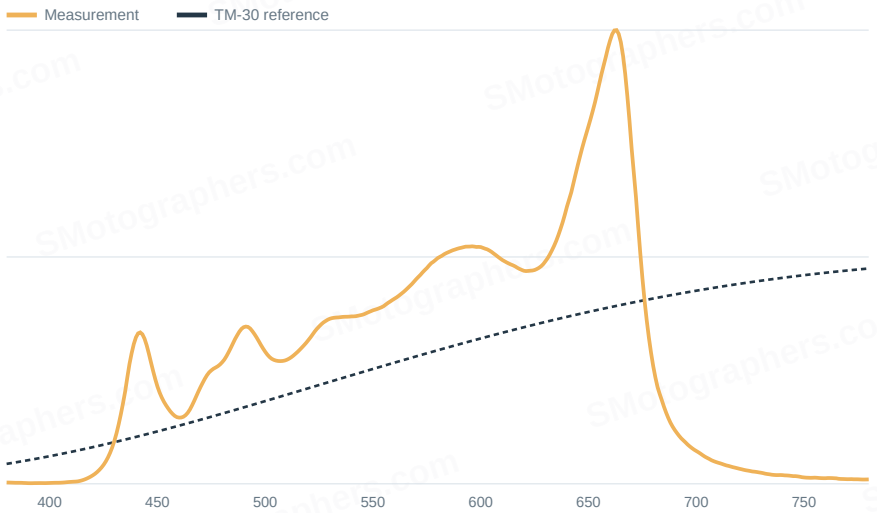
TM-30 RF	TM-30 RG	SSI [P3262]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	100	85	3252 K	-0.0017	99	100 %

Fidelity per colour sample Rf,CES1-99

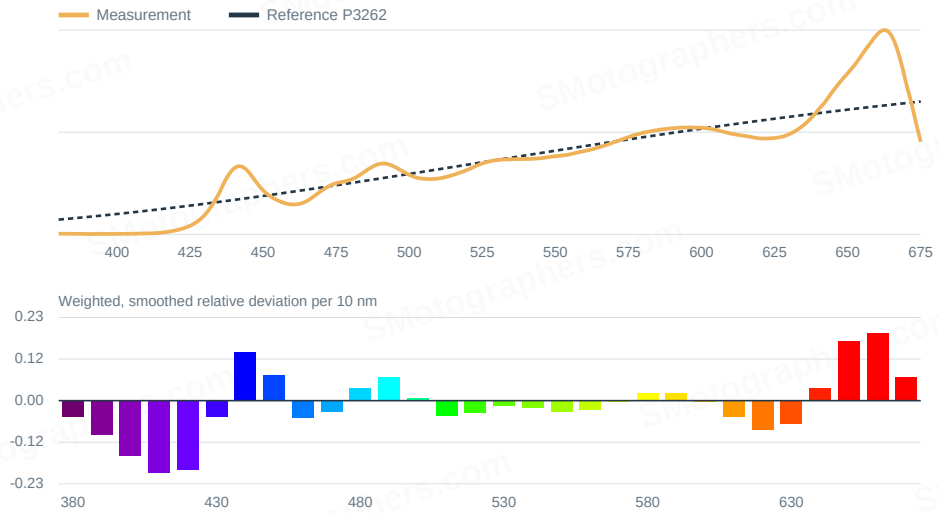


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [P3262]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

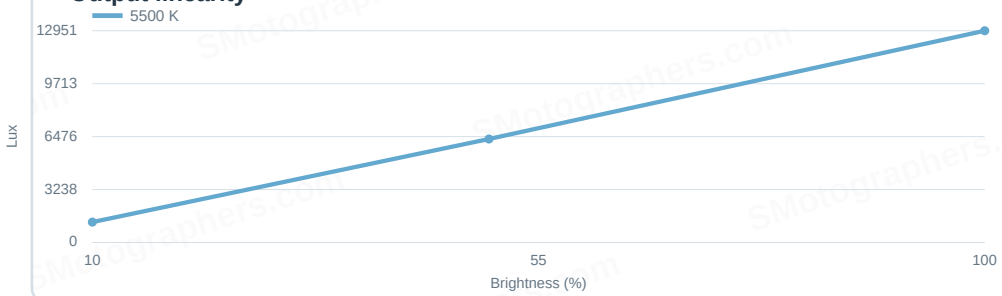
White light detail | Target CCT 5500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1246	5818 K	-0.00068	4.11	98.6	94.0	442 nm
50%	6330	5710 K	-0.00159	4.71	97.7	87.0	441 nm
100%	12951	5833 K	-0.00198	5.66	98.0	94.0	441 nm

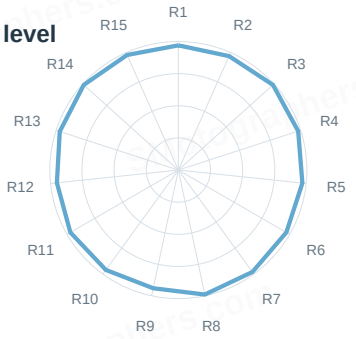
Colour metric	Value
SSI	76
TM-30 Rf	97
TM-30 Rg	101
TLCI (Info)	99
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	333 K
Mired deviation	10.38
Source	OHS-141407.csv

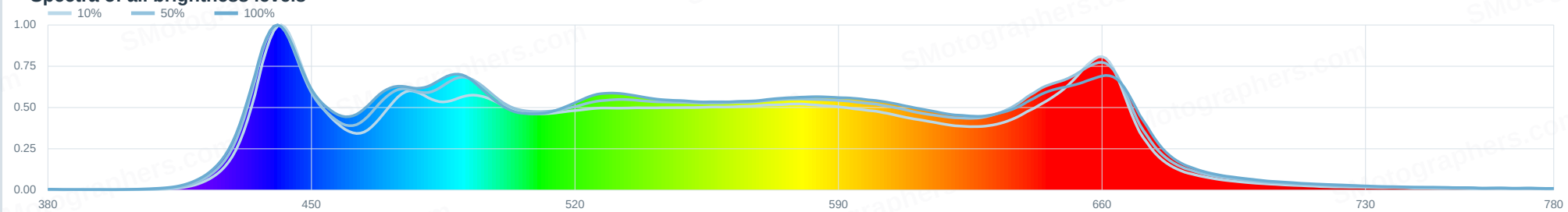
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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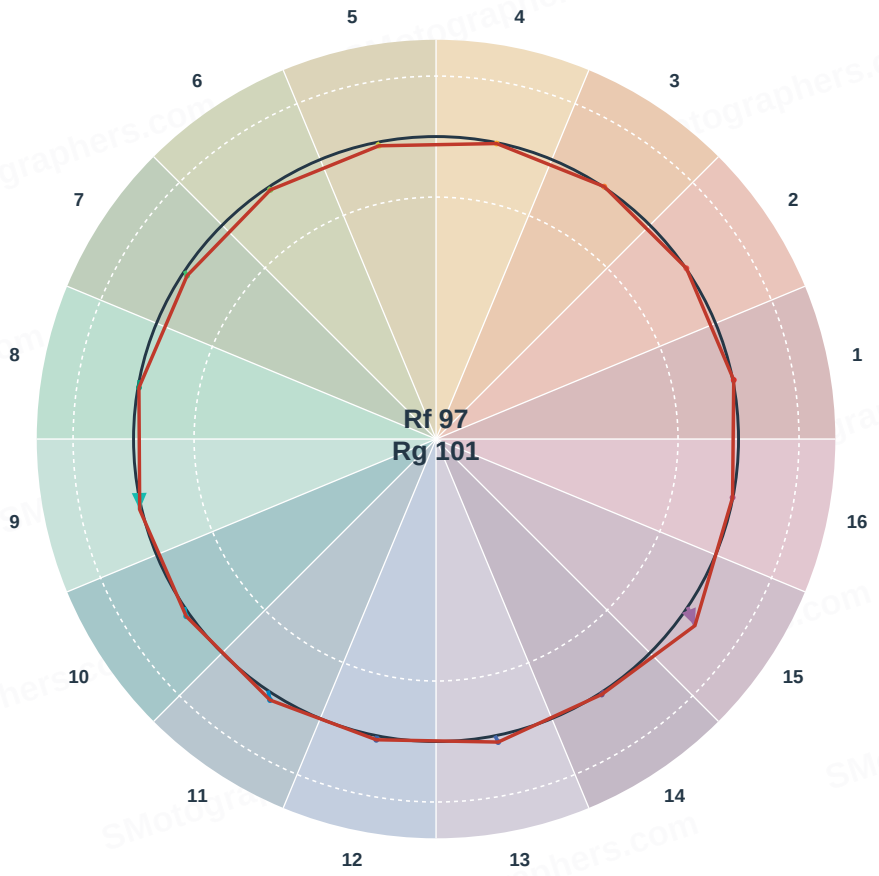
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 5500 K

LED EVALUATOR

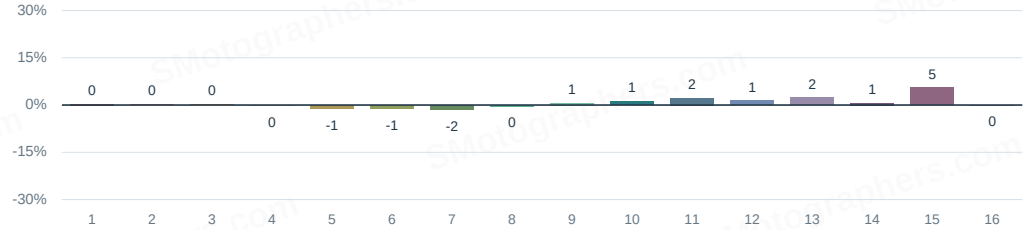
TM-30 RF	TM-30 RG	SSI [D5833]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	101	76	5832 K	-0.0019	99	100 %

Color Vector Graphic

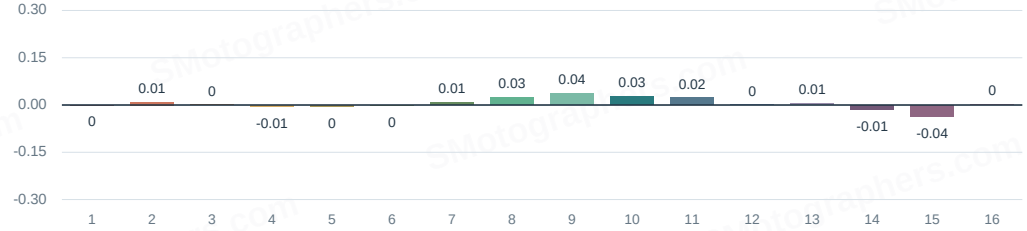


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

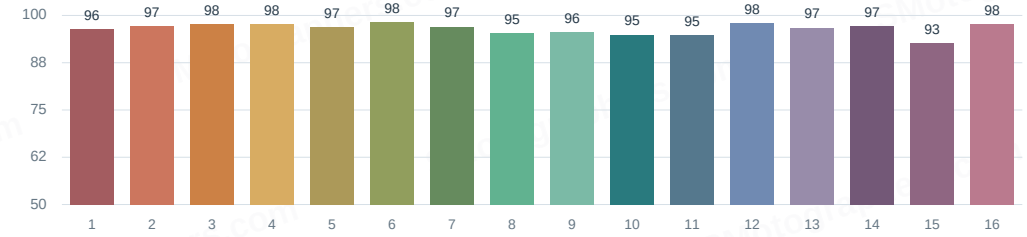
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 5500 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D5833]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	101	76	5832 K	-0.0019	99	100 %

Hue bins 1-16: average per bin

Reference

Measurement



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+0 % Chroma	+0 % Chroma	+0 % Chroma	-0 % Chroma	-1 % Chroma	-1 % Chroma	-2 % Chroma	-0 % Chroma	+1 % Chroma	+1 % Chroma	+2 % Chroma	+1 % Chroma	+2 % Chroma	+1 % Chroma	+5 % Chroma	-0 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 2 Rf 97	CES 3 Rf 90	CES 4 Rf 95	CES 5 Rf 96	CES 6 Rf 99	CES 7 Rf 99	CES 8 Rf 98	CES 9 Rf 98	CES 10 Rf 95	CES 11 Rf 95	CES 12 Rf 95	CES 13 Rf 99
CES 14 Rf 99	CES 15 Rf 98	CES 16 Rf 99	CES 17 Rf 98	CES 18 Rf 98	CES 19 Rf 97	CES 20 Rf 98	CES 21 Rf 97	CES 22 Rf 98	CES 23 Rf 99	CES 24 Rf 99	CES 25 Rf 97
CES 26 Rf 99	CES 27 Rf 92	CES 28 Rf 99	CES 29 Rf 99	CES 30 Rf 99	CES 31 Rf 98	CES 32 Rf 99	CES 33 Rf 99	CES 34 Rf 99	CES 35 Rf 99	CES 36 Rf 89	CES 37 Rf 97
CES 38 Rf 95	CES 39 Rf 98	CES 40 Rf 97	CES 41 Rf 98	CES 42 Rf 99	CES 43 Rf 98	CES 44 Rf 99	CES 45 Rf 98	CES 46 Rf 99	CES 47 Rf 98	CES 48 Rf 96	CES 49 Rf 98
CES 50 Rf 97	CES 51 Rf 96	CES 52 Rf 97	CES 53 Rf 96	CES 54 Rf 96	CES 55 Rf 95	CES 56 Rf 96	CES 57 Rf 95	CES 58 Rf 95	CES 59 Rf 96	CES 60 Rf 95	CES 61 Rf 94
CES 62 Rf 95	CES 63 Rf 99	CES 64 Rf 95	CES 65 Rf 95	CES 66 Rf 96	CES 67 Rf 96	CES 68 Rf 94	CES 69 Rf 93	CES 70 Rf 94	CES 71 Rf 95	CES 72 Rf 97	CES 73 Rf 91
CES 74 Rf 97	CES 75 Rf 96	CES 76 Rf 96	CES 77 Rf 93	CES 78 Rf 93	CES 79 Rf 99	CES 80 Rf 97	CES 81 Rf 98	CES 82 Rf 99	CES 83 Rf 99	CES 84 Rf 96	CES 85 Rf 92
CES 86 Rf 98	CES 87 Rf 97	CES 88 Rf 98	CES 89 Rf 97	CES 90 Rf 98	CES 91 Rf 82	CES 92 Rf 92	CES 93 Rf 96	CES 94 Rf 97	CES 95 Rf 91	CES 1 Rf 99	CES 96 Rf 97
CES 97 Rf 97	CES 98 Rf 98	CES 99 Rf 98									

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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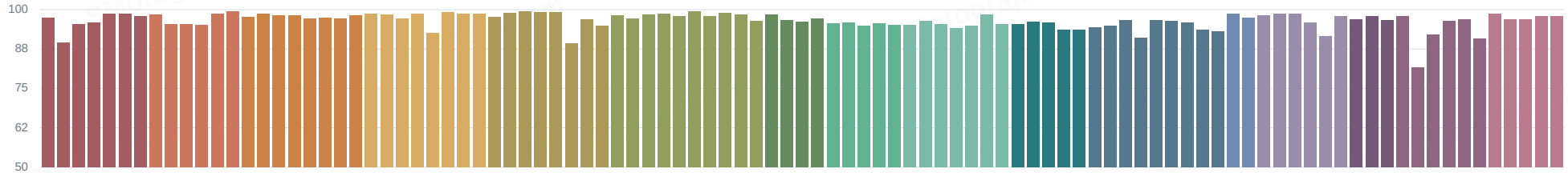
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 5500 K

LED EVALUATOR

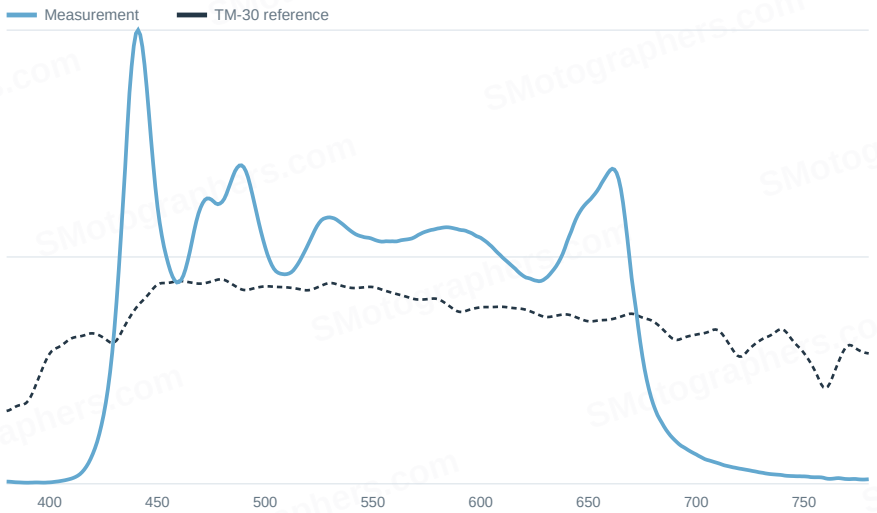
TM-30 RF	TM-30 RG	SSI [D5833]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
97	101	76	5832 K	-0.0019	99	100 %

Fidelity per colour sample Rf,CES1-99

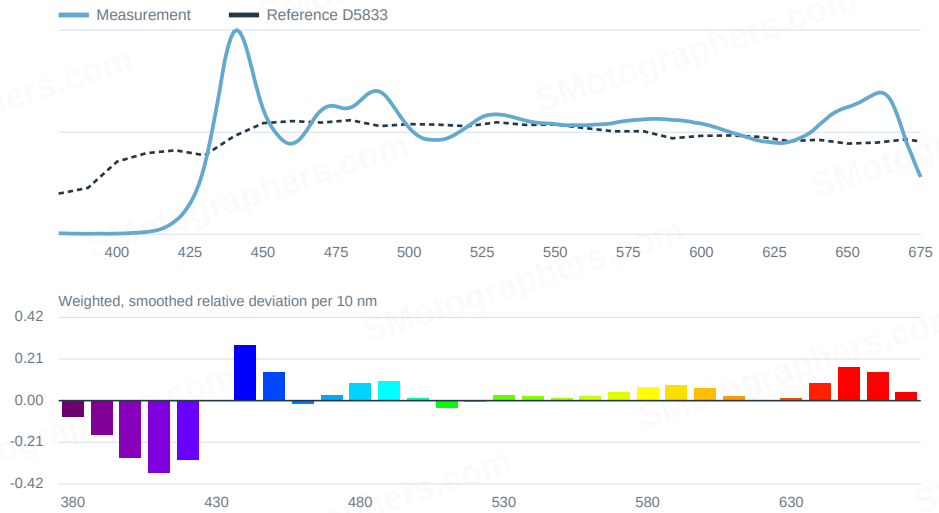


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D5833]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

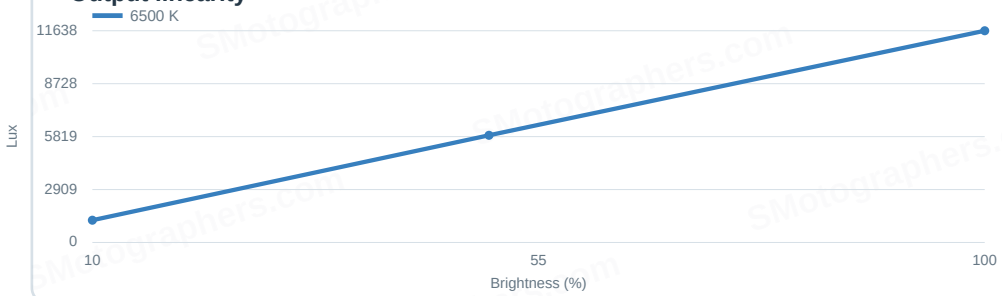
White light detail | Target CCT 6500 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1224	6936 K	-0.00078	6.20	98.0	93.0	442 nm
50%	5892	6859 K	-0.00110	6.08	96.3	80.0	441 nm
100%	11638	7159 K	-0.00317	9.66	96.3	80.0	440 nm

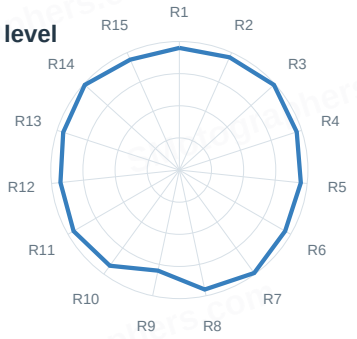
Colour metric	Value
SSI	70
TM-30 Rf	96
TM-30 Rg	102
TLCI (Info)	98
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	659 K
Mired deviation	14.16
Source	OHS-141646.csv

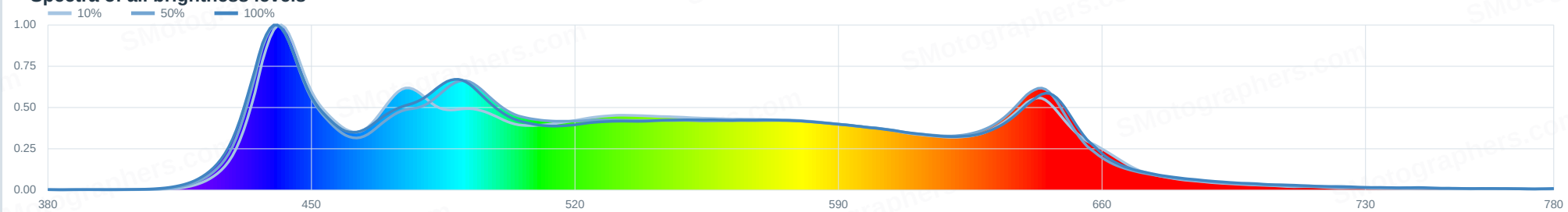
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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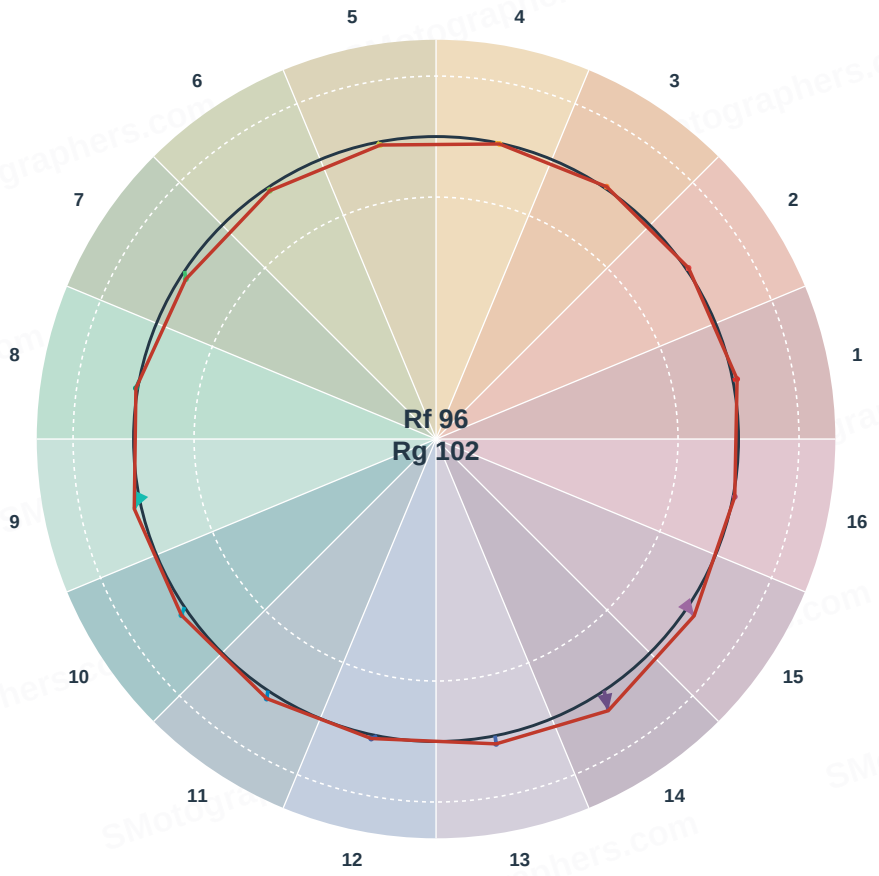
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 6500 K

LED EVALUATOR

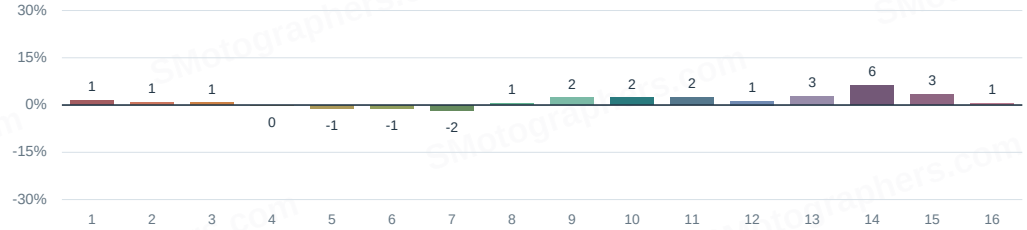
TM-30 RF	TM-30 RG	SSI [D7145]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	102	70	7153 K	-0.0031	98	100 %

Color Vector Graphic

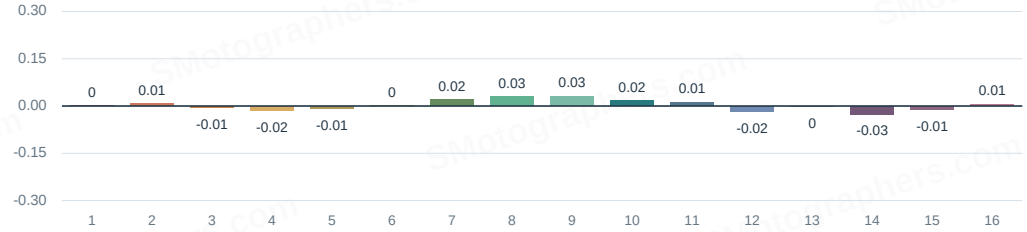


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

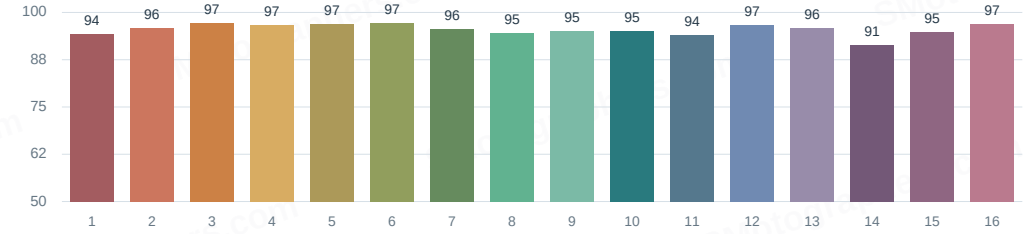
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 6500 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D7145]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	102	70	7153 K	-0.0031	98	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+1 % Chroma	+1 % Chroma	+1 % Chroma	-0 % Chroma	-1 % Chroma	-1 % Chroma	-2 % Chroma	+1 % Chroma	+2 % Chroma	+2 % Chroma	+2 % Chroma	+1 % Chroma	+3 % Chroma	+6 % Chroma	+3 % Chroma	+1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 2 Rf 96	CES 3 Rf 89	CES 4 Rf 95	CES 5 Rf 94	CES 6 Rf 98	CES 7 Rf 94	CES 8 Rf 94	CES 10 Rf 95	CES 11 Rf 95	CES 12 Rf 95	CES 13 Rf 96	CES 14 Rf 99	CES 9 Rf 99	CES 15 Rf 97	CES 16 Rf 97	CES 17 Rf 97	CES 18 Rf 97	CES 19 Rf 97	CES 20 Rf 97	CES 21 Rf 97
CES 22 Rf 97	CES 23 Rf 98	CES 24 Rf 98	CES 25 Rf 98	CES 26 Rf 98	CES 27 Rf 91	CES 28 Rf 97	CES 29 Rf 98	CES 30 Rf 98	CES 31 Rf 97	CES 32 Rf 99	CES 33 Rf 99	CES 34 Rf 98	CES 35 Rf 99	CES 36 Rf 89	CES 37 Rf 98	CES 38 Rf 96	CES 39 Rf 98	CES 40 Rf 96	CES 41 Rf 99
CES 42 Rf 96	CES 43 Rf 96	CES 44 Rf 99	CES 45 Rf 97	CES 46 Rf 99	CES 47 Rf 96	CES 48 Rf 97	CES 49 Rf 98	CES 50 Rf 96	CES 51 Rf 95	CES 52 Rf 95	CES 53 Rf 94	CES 54 Rf 96	CES 55 Rf 95	CES 56 Rf 94	CES 57 Rf 95	CES 58 Rf 94	CES 59 Rf 95	CES 60 Rf 95	CES 61 Rf 93
CES 62 Rf 95	CES 63 Rf 97	CES 64 Rf 95	CES 65 Rf 95	CES 66 Rf 96	CES 67 Rf 96	CES 68 Rf 94	CES 69 Rf 93	CES 70 Rf 95	CES 71 Rf 95	CES 72 Rf 97	CES 74 Rf 96	CES 73 Rf 91	CES 75 Rf 96	CES 76 Rf 96	CES 77 Rf 94	CES 78 Rf 93	CES 79 Rf 97	CES 80 Rf 97	CES 81 Rf 97
CES 82 Rf 98	CES 83 Rf 97	CES 84 Rf 95	CES 85 Rf 91	CES 86 Rf 97	CES 87 Rf 97	CES 88 Rf 98	CES 89 Rf 96	CES 91 Rf 80	CES 90 Rf 98	CES 92 Rf 92	CES 93 Rf 97	CES 94 Rf 97	CES 95 Rf 91	CES 1 Rf 98	CES 96 Rf 97	CES 97 Rf 97	CES 98 Rf 98	CES 99 Rf 95	

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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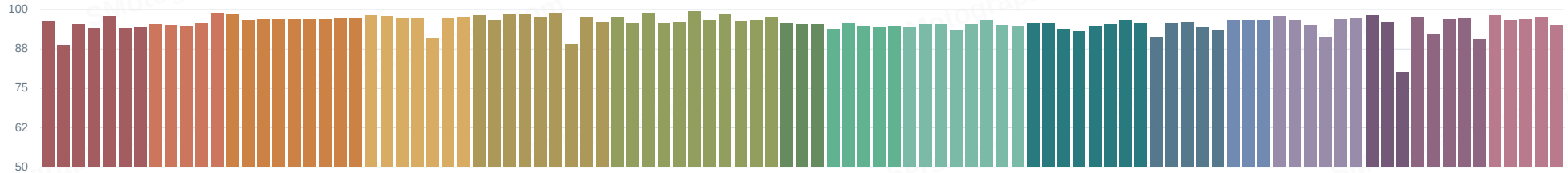
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 6500 K

LED EVALUATOR

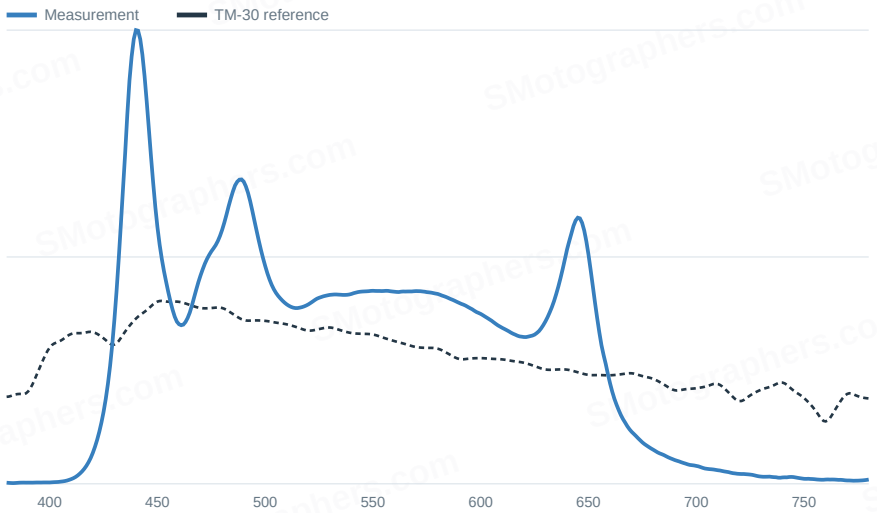
TM-30 RF	TM-30 RG	SSI [D7145]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
96	102	70	7153 K	-0.0031	98	100 %

Fidelity per colour sample Rf,CES1-99

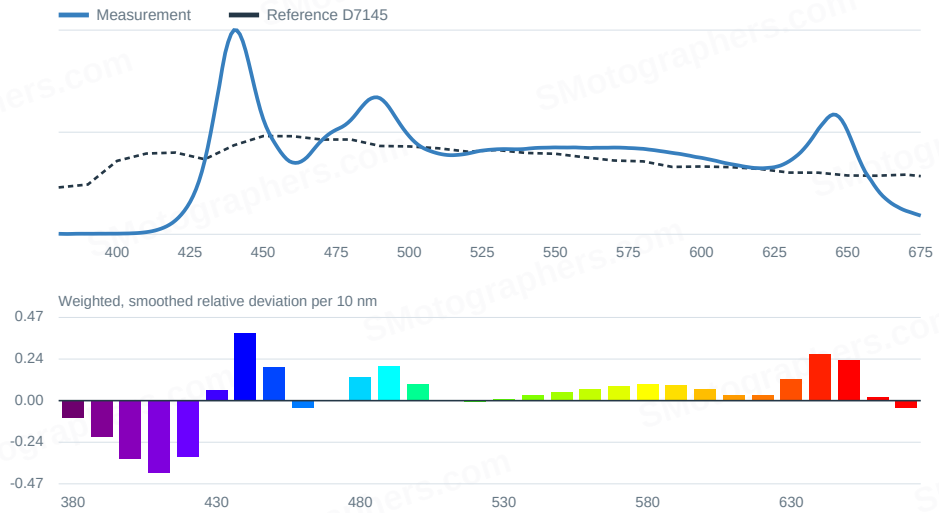


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D7145]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

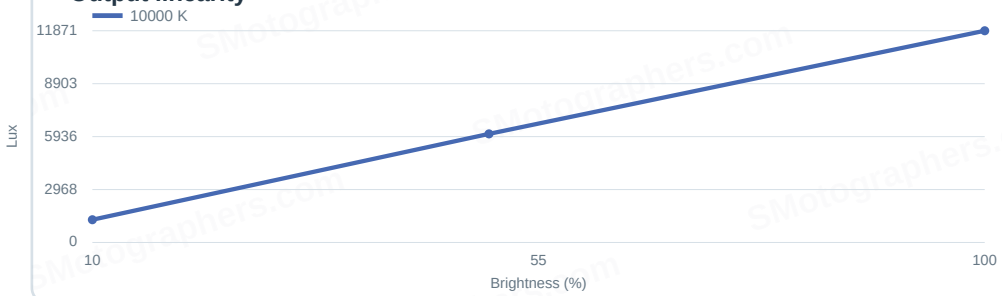
White light detail | Target CCT 10000 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1276	11451 K	-0.00015	28.82	98.3	98.0	442 nm
50%	6089	12145 K	-0.00144	30.64	97.4	89.0	441 nm
100%	11871	12031 K	-0.00249	30.33	96.9	92.0	441 nm

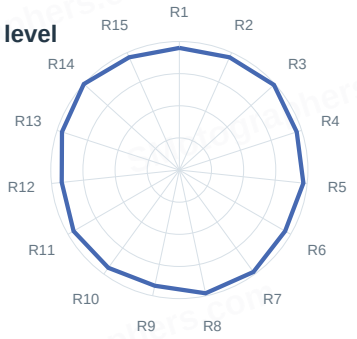
Colour metric	Value
SSI	67
TM-30 Rf	94
TM-30 Rg	100
TLCI (Info)	97
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	2031 K
Mired deviation	16.88
Source	OHS-142733.csv

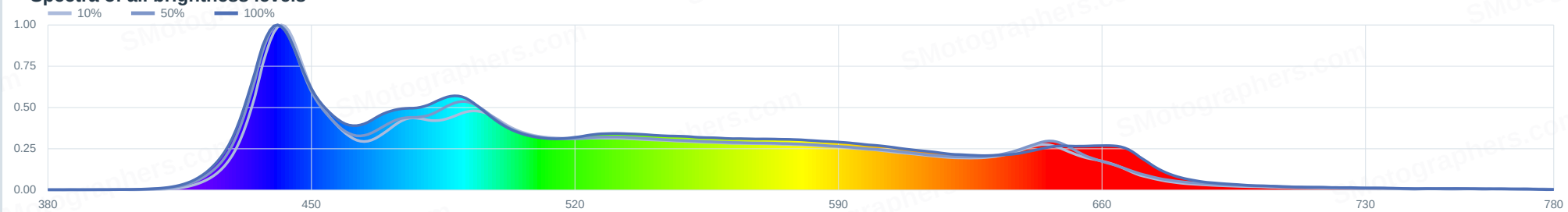
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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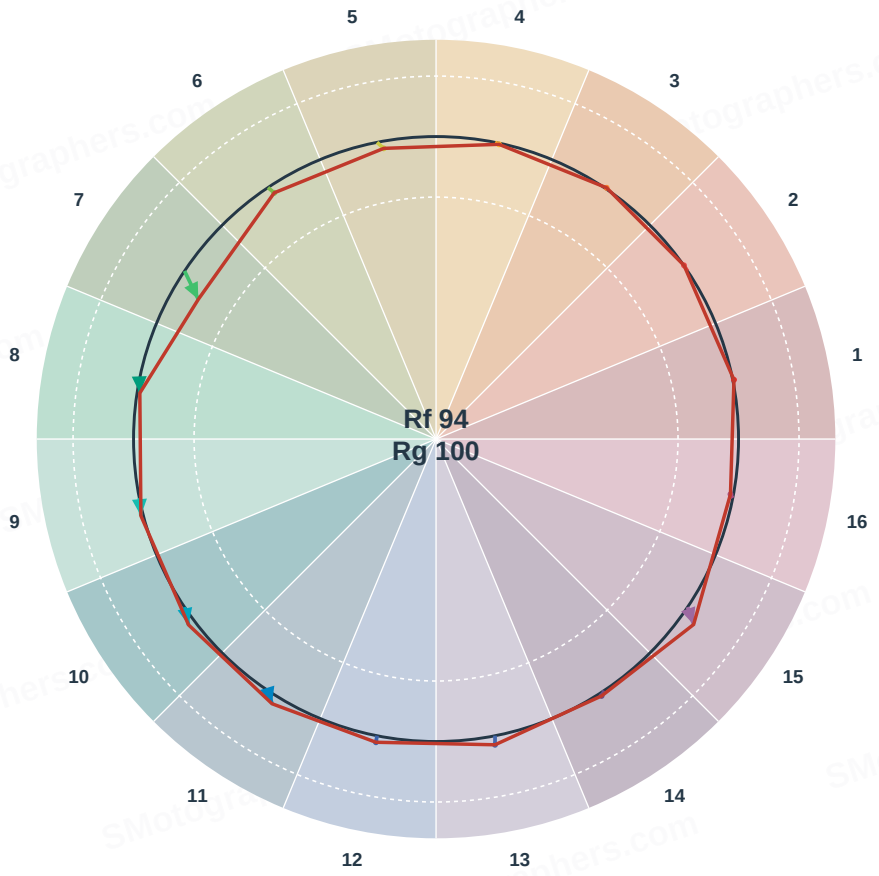
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 10000 K

LED EVALUATOR

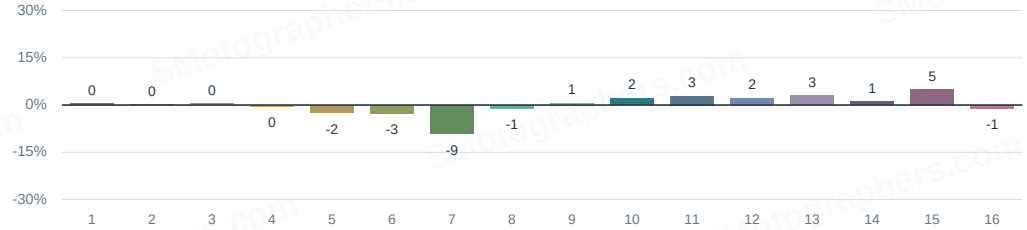
TM-30 RF	TM-30 RG	SSI [D11629]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	100	67	11987 K	-0.0025	97	100 %

Color Vector Graphic

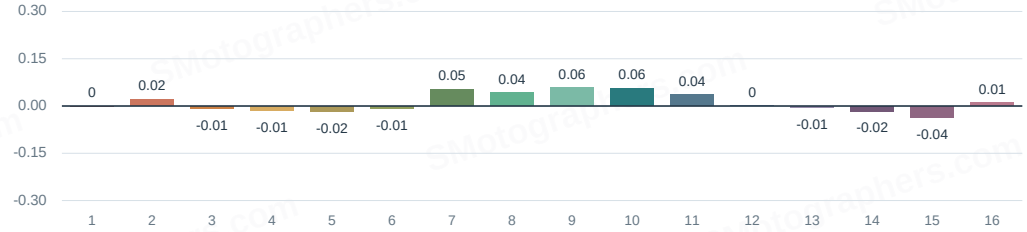


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

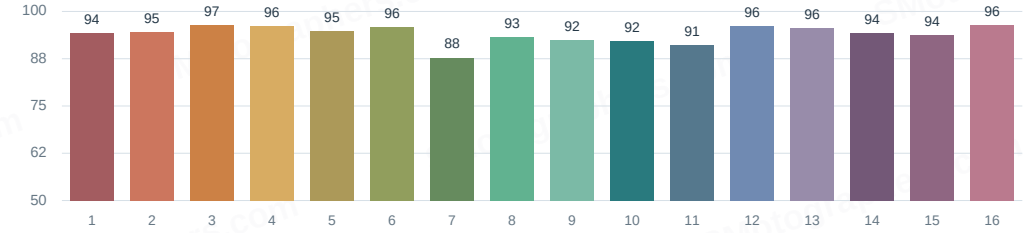
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 10000 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D11629]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	100	67	11987 K	-0.0025	97	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+0 % Chroma	+0 % Chroma	+0 % Chroma	-0 % Chroma	-2 % Chroma	-3 % Chroma	-9 % Chroma	-1 % Chroma	+1 % Chroma	+2 % Chroma	+3 % Chroma	+2 % Chroma	+3 % Chroma	+1 % Chroma	+5 % Chroma	-1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 3 Rf 85	CES 4 Rf 92	CES 5 Rf 94	CES 6 Rf 98	CES 7 Rf 99	CES 8 Rf 98	CES 10 Rf 94	CES 11 Rf 93	CES 12 Rf 93	CES 14 Rf 99	CES 13 Rf 97	CES 15 Rf 95	CES 16 Rf 98	CES 17 Rf 97	CES 18 Rf 96	CES 19 Rf 96	CES 21 Rf 96	CES 22 Rf 97	CES 9 Rf 97	CES 20 Rf 98
CES 23 Rf 97	CES 24 Rf 98	CES 25 Rf 96	CES 26 Rf 97	CES 27 Rf 88	CES 28 Rf 98	CES 29 Rf 96	CES 30 Rf 95	CES 31 Rf 94	CES 32 Rf 97	CES 33 Rf 97	CES 34 Rf 98	CES 35 Rf 99	CES 36 Rf 83	CES 37 Rf 99	CES 38 Rf 90	CES 39 Rf 96	CES 40 Rf 94	CES 41 Rf 96	CES 42 Rf 95
CES 43 Rf 95	CES 44 Rf 99	CES 45 Rf 95	CES 46 Rf 97	CES 47 Rf 96	CES 48 Rf 93	CES 49 Rf 96	CES 50 Rf 94	CES 51 Rf 93	CES 52 Rf 94	CES 91 Rf 70	CES 53 Rf 92	CES 54 Rf 94	CES 55 Rf 92	CES 56 Rf 93	CES 57 Rf 92	CES 58 Rf 92	CES 59 Rf 94	CES 63 Rf 97	CES 60 Rf 93
CES 61 Rf 91	CES 62 Rf 92	CES 64 Rf 92	CES 65 Rf 93	CES 66 Rf 93	CES 67 Rf 93	CES 68 Rf 90	CES 69 Rf 89	CES 70 Rf 91	CES 71 Rf 91	CES 72 Rf 95	CES 74 Rf 96	CES 73 Rf 86	CES 75 Rf 94	CES 76 Rf 94	CES 77 Rf 91	CES 78 Rf 90	CES 79 Rf 98	CES 80 Rf 96	CES 81 Rf 97
CES 84 Rf 93	CES 82 Rf 98	CES 83 Rf 97	CES 85 Rf 88	CES 86 Rf 99	CES 87 Rf 96	CES 88 Rf 96	CES 89 Rf 96	CES 90 Rf 96	CES 92 Rf 89	CES 93 Rf 95	CES 94 Rf 96	CES 95 Rf 87	CES 96 Rf 96	CES 1 Rf 98	CES 2 Rf 96	CES 97 Rf 95	CES 98 Rf 97	CES 99 Rf 97	

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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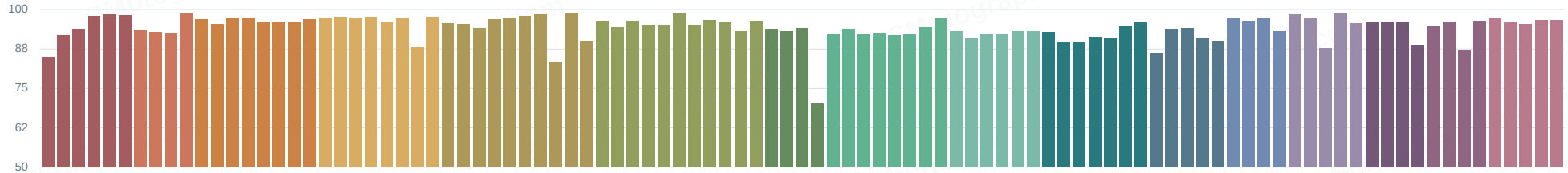
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 10000 K

LED EVALUATOR

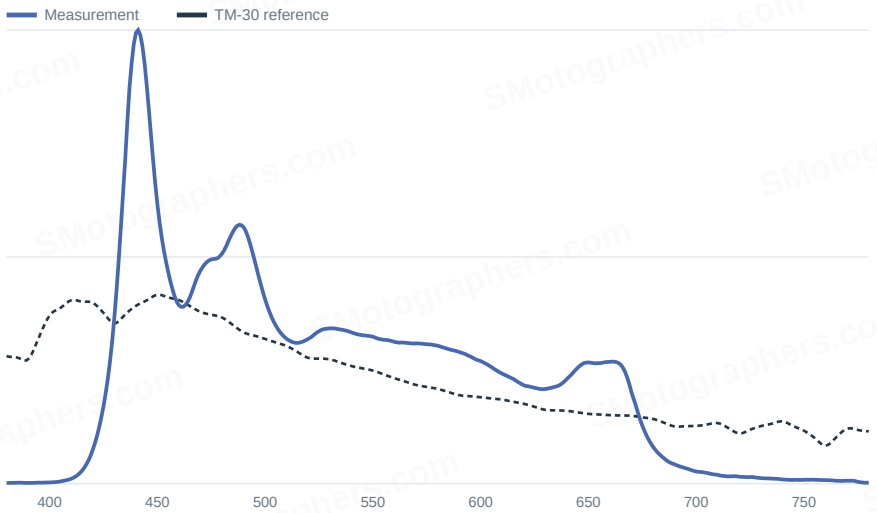
TM-30 RF	TM-30 RG	SSI [D11629]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
94	100	67	11987 K	-0.0025	97	100 %

Fidelity per colour sample Rf,CES1-99

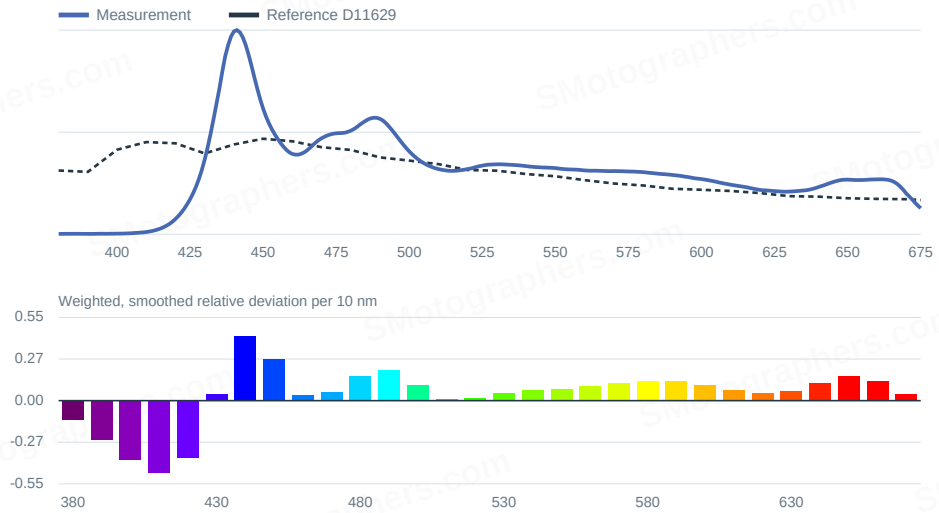


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D11629]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

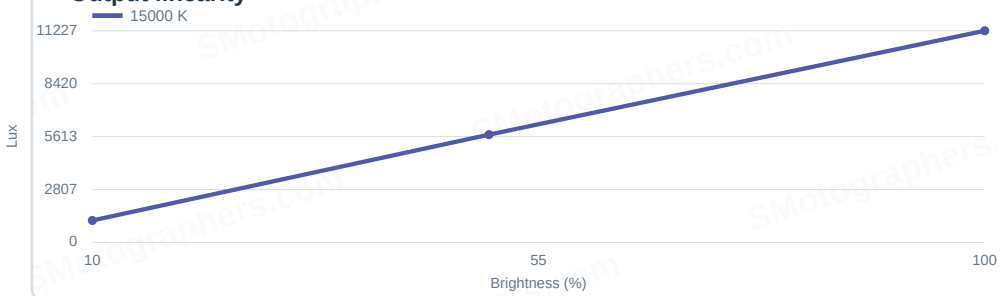
White light detail | Target CCT 15000 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1167	19648 K	-0.00041	41.67	97.7	89.0	442 nm
50%	5718	19912 K	-0.00125	41.74	96.9	82.0	441 nm
100%	11227	20873 K	-0.00227	42.32	96.4	83.0	440 nm

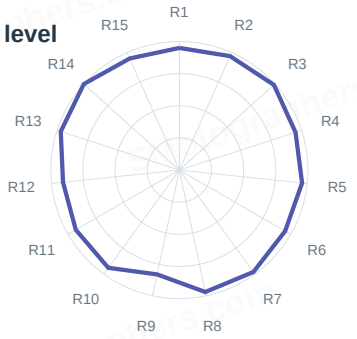
Colour metric	Value
SSI	63
TM-30 Rf	93
TM-30 Rg	100
TLCI (Info)	95
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	5873 K
Mired deviation	18.76
Source	OHS-142959.csv

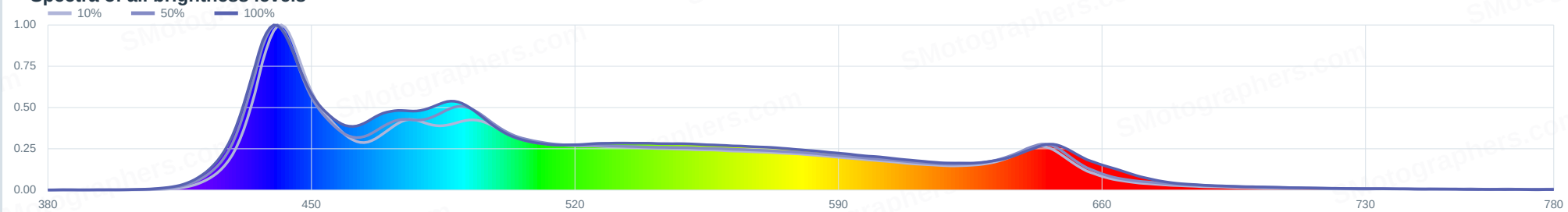
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



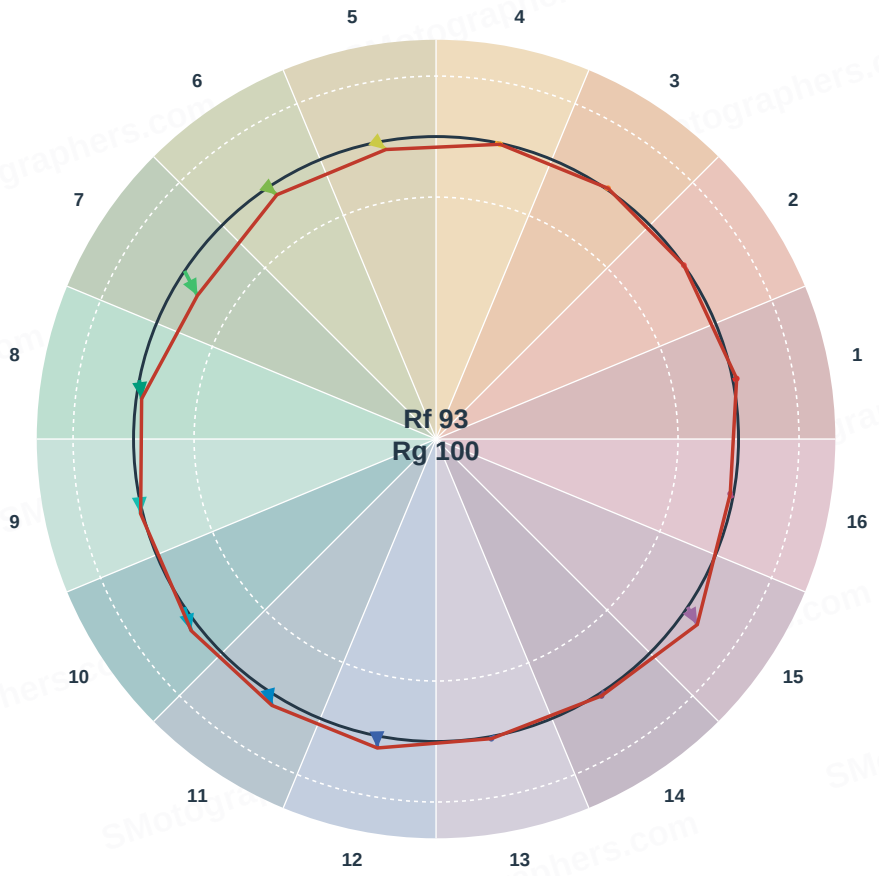
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Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 15000 K

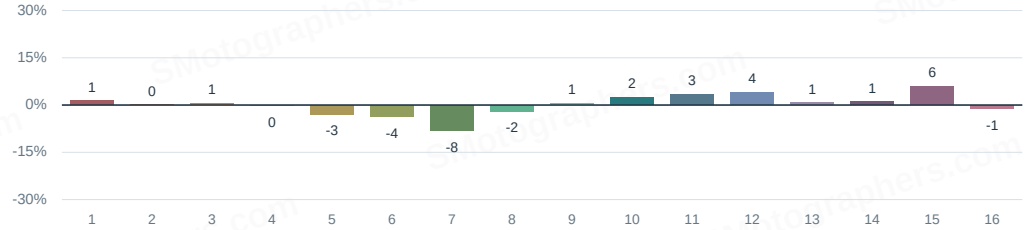
TM-30 RF	TM-30 RG	SSI [D17603]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	63	20860 K	-0.0021	95	100 %

Color Vector Graphic

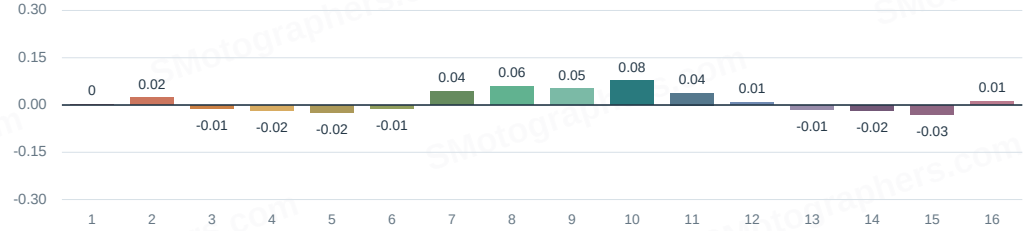


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

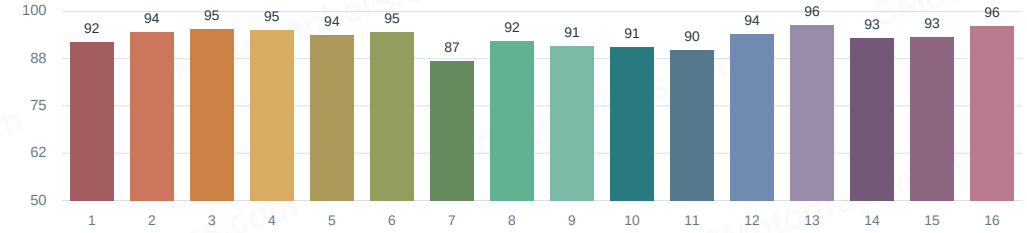
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 15000 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D17603]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	63	20860 K	-0.0021	95	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+1 % Chroma	+0 % Chroma	+1 % Chroma	-0 % Chroma	-3 % Chroma	-4 % Chroma	-8 % Chroma	-2 % Chroma	+1 % Chroma	+2 % Chroma	+3 % Chroma	+4 % Chroma	+1 % Chroma	+1 % Chroma	+6 % Chroma	-1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 3 Rf 83	CES 4 Rf 90	CES 5 Rf 92	CES 6 Rf 97	CES 7 Rf 95	CES 8 Rf 95	CES 10 Rf 94	CES 11 Rf 93	CES 12 Rf 92	CES 14 Rf 99	CES 13 Rf 95
CES 15 Rf 94	CES 16 Rf 96	CES 17 Rf 97	CES 18 Rf 95	CES 19 Rf 96	CES 21 Rf 95	CES 22 Rf 96	CES 20 Rf 97	CES 23 Rf 97	CES 24 Rf 97	CES 25 Rf 95
CES 26 Rf 97	CES 27 Rf 86	CES 28 Rf 97	CES 9 Rf 97	CES 29 Rf 94	CES 30 Rf 93	CES 31 Rf 92	CES 32 Rf 96	CES 33 Rf 96	CES 34 Rf 97	CES 35 Rf 99
CES 36 Rf 81	CES 37 Rf 98	CES 38 Rf 88	CES 42 Rf 94	CES 39 Rf 95	CES 40 Rf 92	CES 41 Rf 95	CES 43 Rf 93	CES 44 Rf 99	CES 45 Rf 94	CES 46 Rf 96
CES 47 Rf 95	CES 48 Rf 92	CES 49 Rf 95	CES 50 Rf 92	CES 51 Rf 92	CES 52 Rf 92	CES 53 Rf 91	CES 91 Rf 68	CES 54 Rf 93	CES 55 Rf 91	CES 56 Rf 92
CES 57 Rf 90	CES 58 Rf 91	CES 59 Rf 94	CES 60 Rf 92	CES 62 Rf 91	CES 63 Rf 96	CES 61 Rf 89	CES 64 Rf 90	CES 65 Rf 92	CES 66 Rf 91	CES 67 Rf 91
CES 68 Rf 88	CES 69 Rf 87	CES 70 Rf 90	CES 71 Rf 89	CES 72 Rf 94	CES 74 Rf 95	CES 73 Rf 85	CES 75 Rf 92	CES 76 Rf 93	CES 77 Rf 90	CES 78 Rf 89
CES 79 Rf 97	CES 80 Rf 96	CES 81 Rf 95	CES 82 Rf 98	CES 84 Rf 92	CES 85 Rf 86	CES 83 Rf 95	CES 86 Rf 99	CES 87 Rf 95	CES 88 Rf 95	CES 89 Rf 95
CES 90 Rf 95	CES 92 Rf 87	CES 93 Rf 94	CES 94 Rf 96	CES 95 Rf 86	CES 96 Rf 96	CES 1 Rf 97	CES 2 Rf 96	CES 97 Rf 95	CES 98 Rf 97	CES 99 Rf 95

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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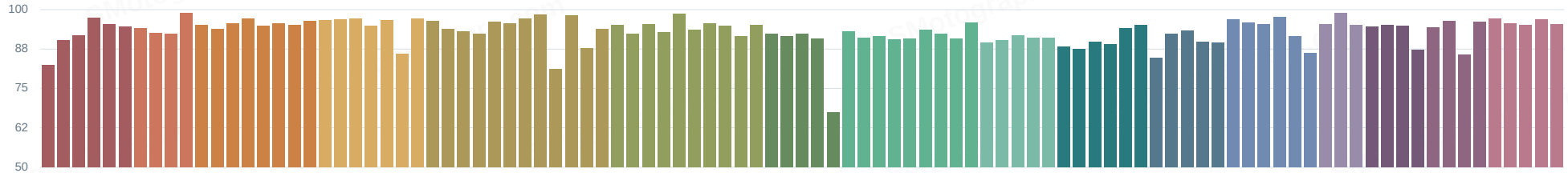
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 15000 K

LED EVALUATOR

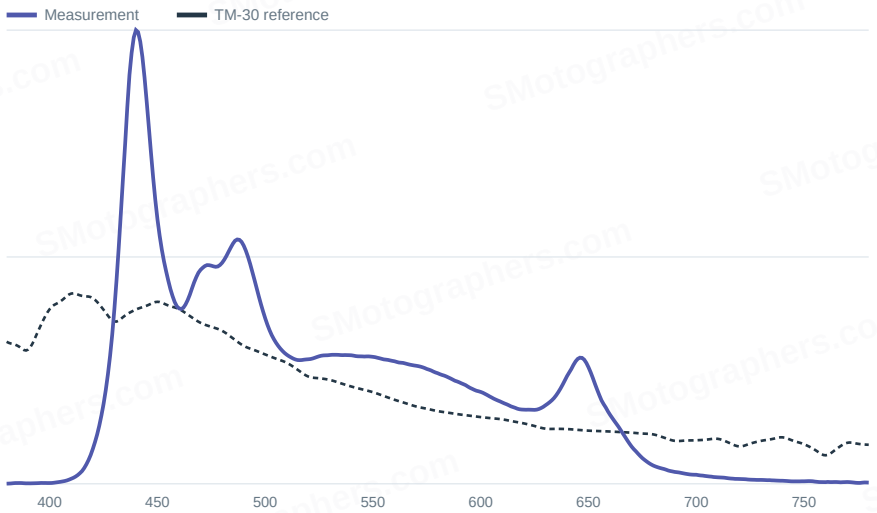
TM-30 RF	TM-30 RG	SSI [D17603]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	63	20860 K	-0.0021	95	100 %

Fidelity per colour sample Rf,CES1-99

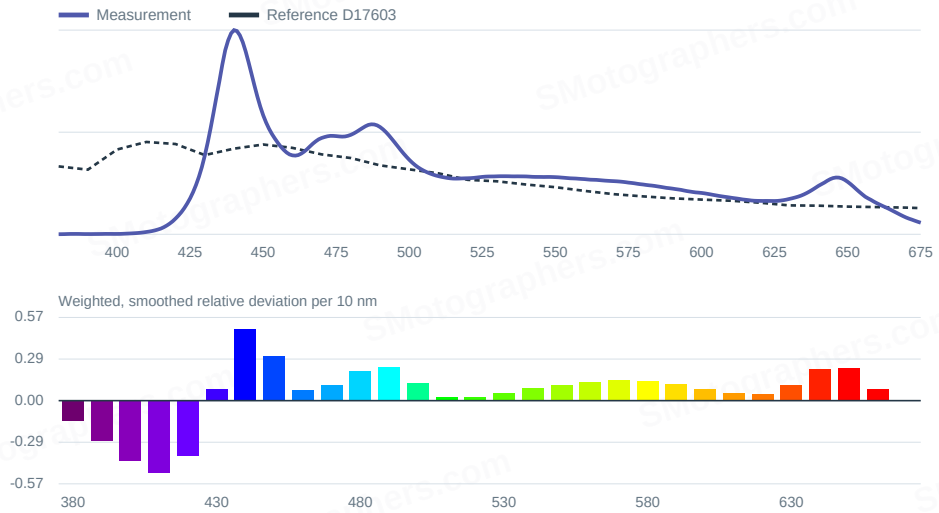


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D17603]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

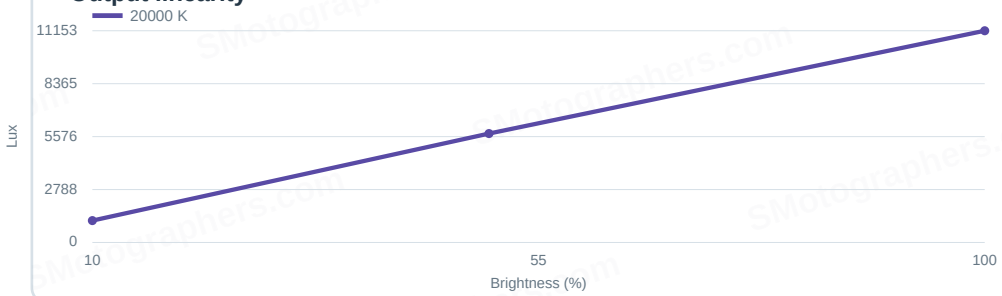
White light detail | Target CCT 20000 K

Level	Lux	Measured CCT	Duv	SDCM	Ra	R9	Peak
10%	1153	30049 K	-0.00008	47.01	97.4	87.0	442 nm
50%	5737	25863 K	-0.00105	45.28	96.2	75.0	440 nm
100%	11153	25185 K	-0.00086	45.01	95.5	77.0	440 nm

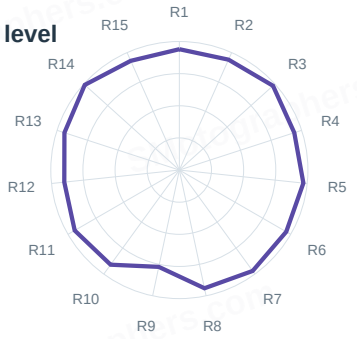
Colour metric	Value
SSI	62
TM-30 Rf	93
TM-30 Rg	100
TLCI (Info)	96
Measurements	3

Check	Value
Brightest level	100%
CCT deviation	5185 K
Mired deviation	10.29
Source	OHS-143621.csv

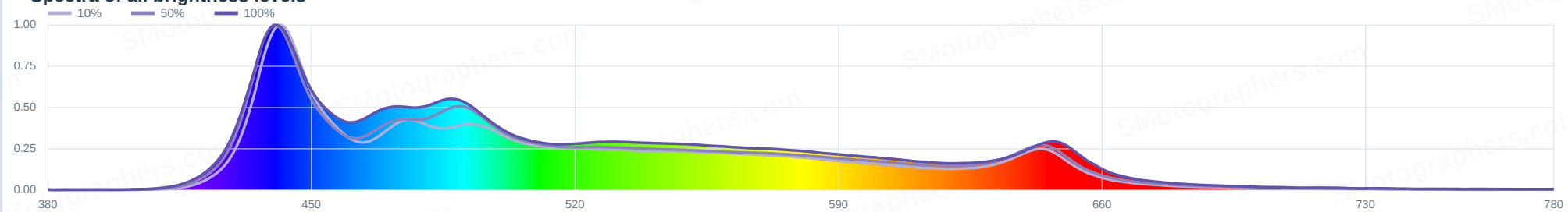
Output linearity



CRI R1-R15 at brightest level



Spectra of all brightness levels



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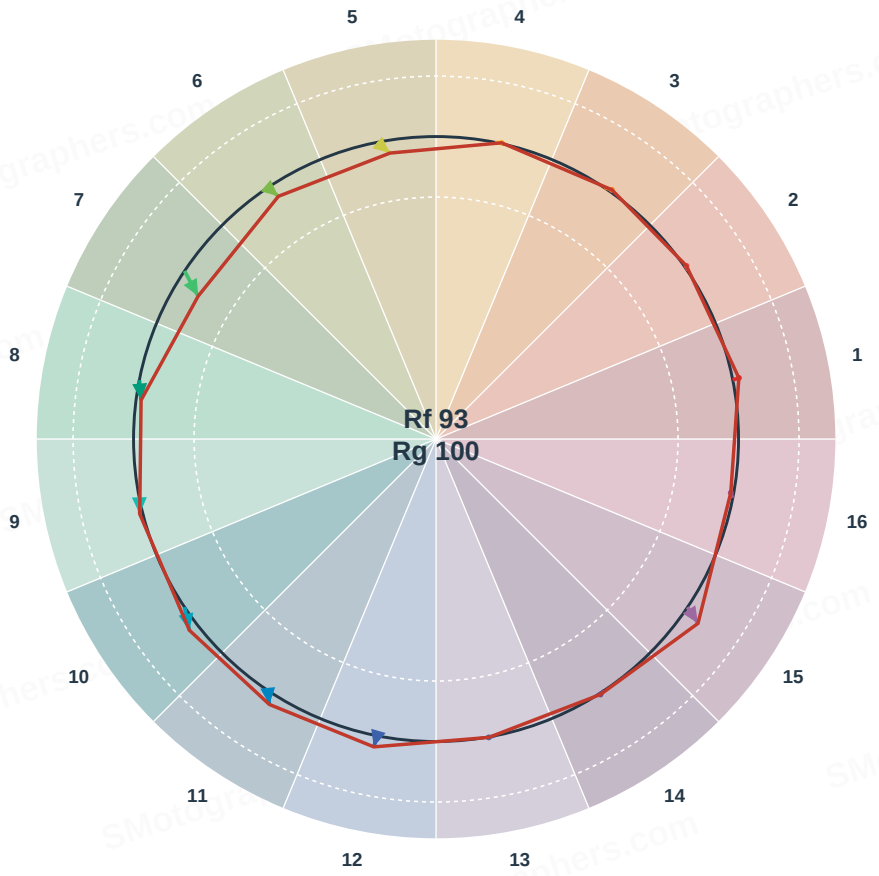
Nanlux Evoke 150C

ANSI/IES TM-30 colour rendition | Target CCT 20000 K

LED EVALUATOR

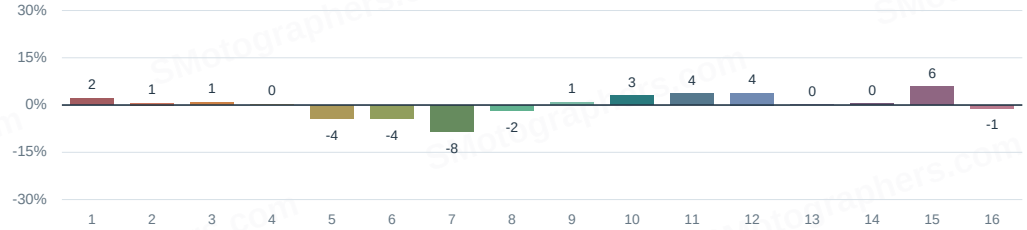
TM-30 RF	TM-30 RG	SSI [D19356]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	62	24601 K	-0.0011	96	100 %

Color Vector Graphic

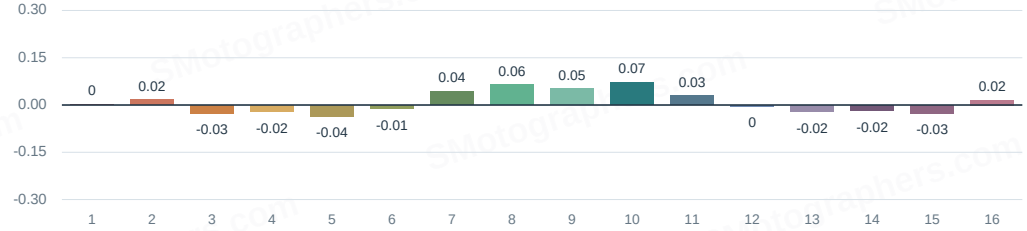


Circle = reference, arrows = shift of the test source per hue bin (CAM02-UCS).

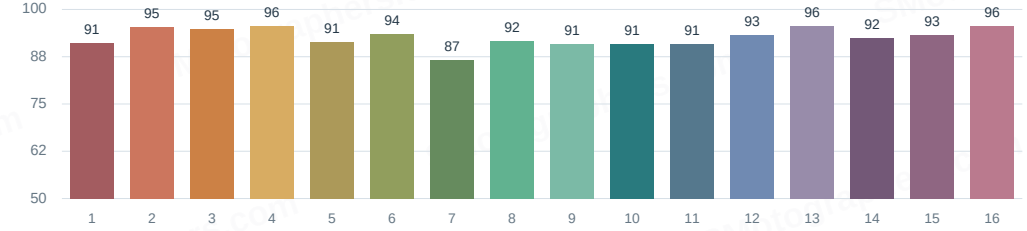
Local chroma shift Rcs,hj



Local hue shift Rhs,hj



Local colour fidelity Rf,hj



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Nanlux Evoke 150C

TM-30 colour swatches: reference vs. measurement | Target CCT 20000 K

LED EVALUATOR

TM-30 RF	TM-30 RG	SSI [D19356]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	62	24601 K	-0.0011	96	100 %

Hue bins 1-16: average per bin



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
+2 % Chroma	+1 % Chroma	+1 % Chroma	+0 % Chroma	-4 % Chroma	-4 % Chroma	-8 % Chroma	-2 % Chroma	+1 % Chroma	+3 % Chroma	+4 % Chroma	+4 % Chroma	+0 % Chroma	+0 % Chroma	+6 % Chroma	-1 % Chroma

Colour samples CES 1-99 (left reference, right measurement; sorted by hue bin)

CES 3 Rf 82	CES 4 Rf 91	CES 5 Rf 91	CES 6 Rf 98	CES 7 Rf 93	CES 8 Rf 93	CES 10 Rf 95	CES 11 Rf 94	CES 12 Rf 94	CES 14 Rf 98	CES 13 Rf 94
CES 15 Rf 92	CES 16 Rf 94	CES 17 Rf 99	CES 18 Rf 93	CES 19 Rf 97	CES 21 Rf 96	CES 22 Rf 95	CES 20 Rf 94	CES 23 Rf 96	CES 24 Rf 97	CES 25 Rf 96
CES 26 Rf 95	CES 28 Rf 96	CES 9 Rf 96	CES 27 Rf 84	CES 29 Rf 91	CES 30 Rf 90	CES 31 Rf 89	CES 32 Rf 94	CES 33 Rf 93	CES 34 Rf 95	CES 35 Rf 98
CES 36 Rf 79	CES 37 Rf 99	CES 38 Rf 85	CES 42 Rf 92	CES 39 Rf 95	CES 40 Rf 91	CES 41 Rf 94	CES 43 Rf 91	CES 44 Rf 99	CES 45 Rf 92	CES 46 Rf 94
CES 47 Rf 94	CES 48 Rf 90	CES 49 Rf 94	CES 50 Rf 92	CES 51 Rf 91	CES 52 Rf 92	CES 53 Rf 91	CES 91 Rf 66	CES 54 Rf 93	CES 55 Rf 90	CES 56 Rf 91
CES 57 Rf 90	CES 58 Rf 90	CES 59 Rf 94	CES 60 Rf 92	CES 62 Rf 90	CES 63 Rf 95	CES 61 Rf 90	CES 64 Rf 91	CES 65 Rf 91	CES 66 Rf 91	CES 67 Rf 91
CES 68 Rf 89	CES 69 Rf 88	CES 70 Rf 91	CES 71 Rf 89	CES 72 Rf 94	CES 74 Rf 95	CES 73 Rf 86	CES 75 Rf 92	CES 76 Rf 94	CES 77 Rf 91	CES 78 Rf 91
CES 79 Rf 96	CES 80 Rf 95	CES 81 Rf 93	CES 82 Rf 97	CES 84 Rf 92	CES 85 Rf 86	CES 83 Rf 94	CES 86 Rf 98	CES 87 Rf 95	CES 88 Rf 94	CES 89 Rf 95
CES 90 Rf 94	CES 92 Rf 87	CES 93 Rf 95	CES 94 Rf 97	CES 95 Rf 86	CES 96 Rf 96	CES 1 Rf 97	CES 2 Rf 95	CES 97 Rf 95	CES 98 Rf 97	CES 99 Rf 94

Shown as corresponding colours in sRGB (CAM02-UCS, adapted to D65); screen and print reproduction is only an approximation.

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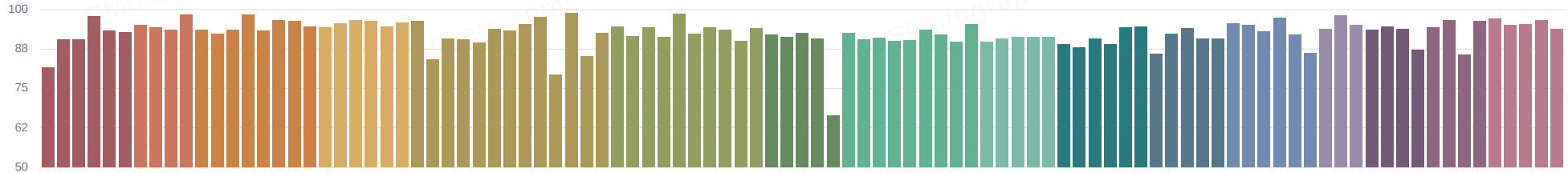
Nanlux Evoke 150C

TM-30 colour samples & Academy SSI | Target CCT 20000 K

LED EVALUATOR

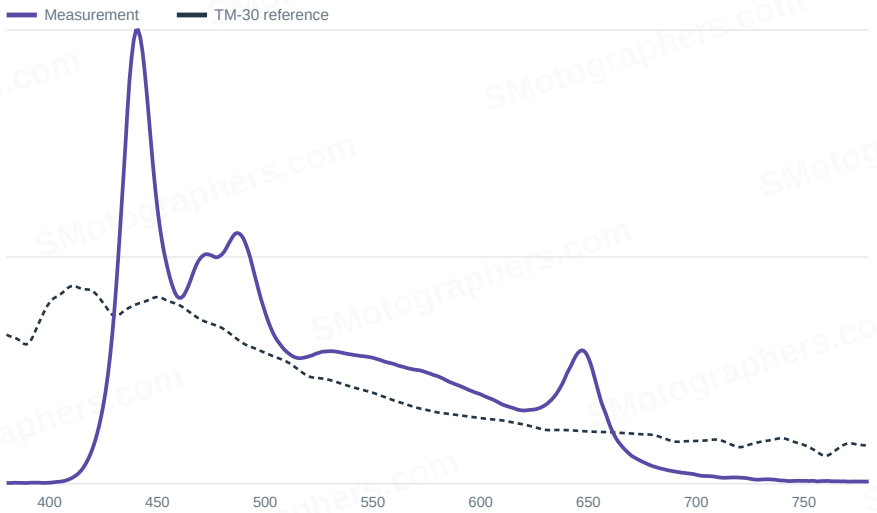
TM-30 RF	TM-30 RG	SSI [D19356]	CCT (TM-30)	DUV	TLCI (INFO)	MEASUREMENT
93	100	62	24601 K	-0.0011	96	100 %

Fidelity per colour sample Rf,CES1-99

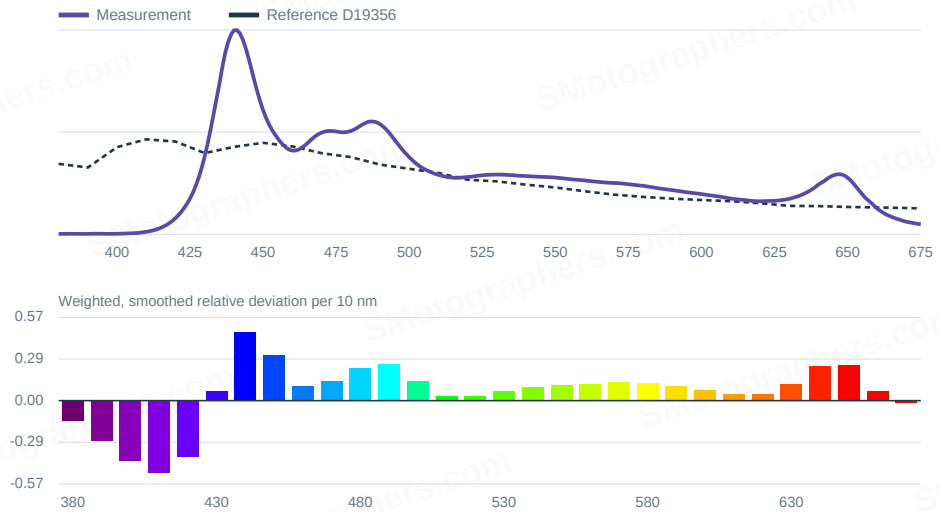


Samples sorted by hue bin 1-16; colour = hue bin.

Spectrum vs. TM-30 reference (equal area)



Academy SSI [D19356]



Reference as in the Academy SSI calculator (default): Planckian below 4000 K, CIE daylight from 4000 K, each at the measured CCT.

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Nanlux Evoke 150C

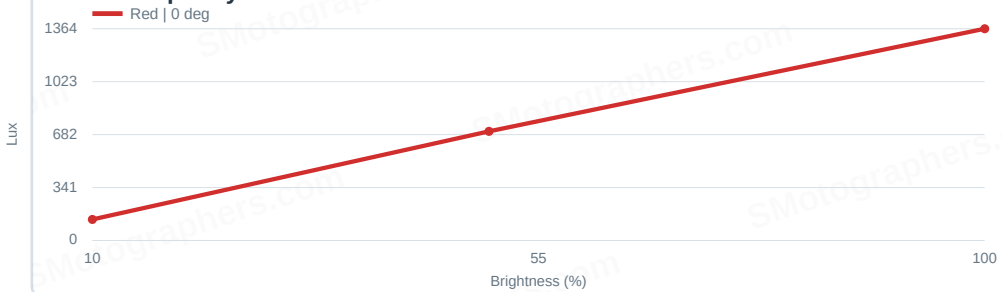
RGB detail | Red | 0 deg

Red | 0 deg

Hue: 0.0 deg | Saturation:

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	136	1000	-0.06145	643 nm	98.2%	663 nm	100/0/0
50%	703	1000	-0.06071	642 nm	98.3%	662 nm	100/0/0
100%	1364	1000	-0.06092	641 nm	99.0%	663 nm	100/0/0

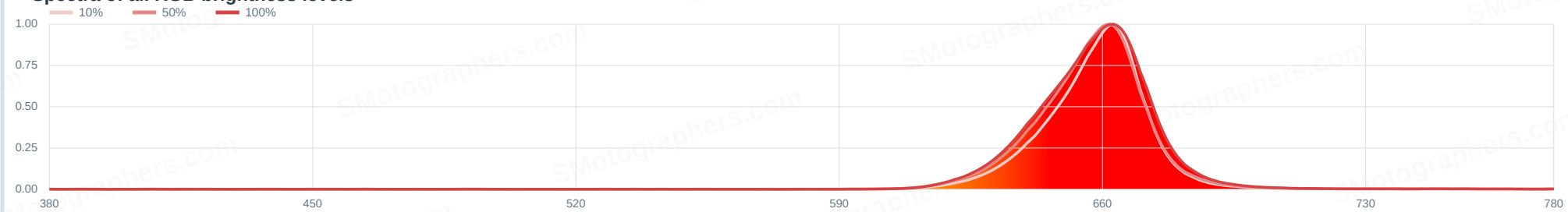
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



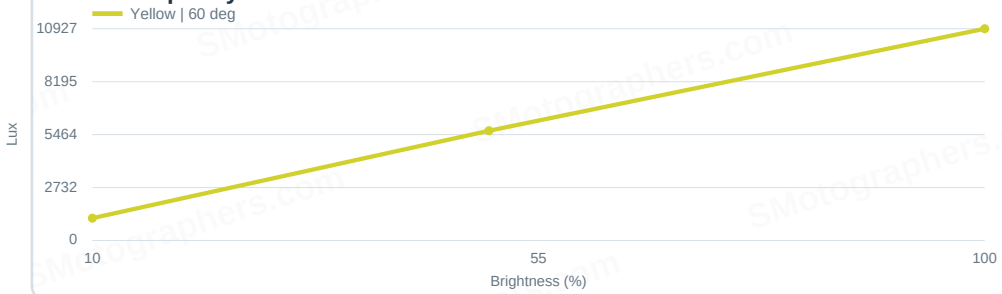
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Yellow | 60 deg

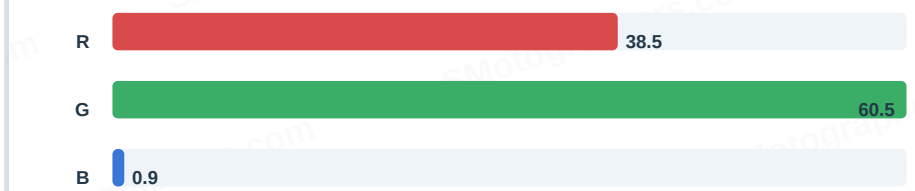
Hue: 60.0 deg | Saturation

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	1151	3303	0.03354	574 nm	93.3%	585 nm	38/62/1
50%	5662	3265	0.03287	575 nm	93.4%	585 nm	38/61/1
100%	10927	3244	0.03217	575 nm	93.3%	585 nm	38/60/1

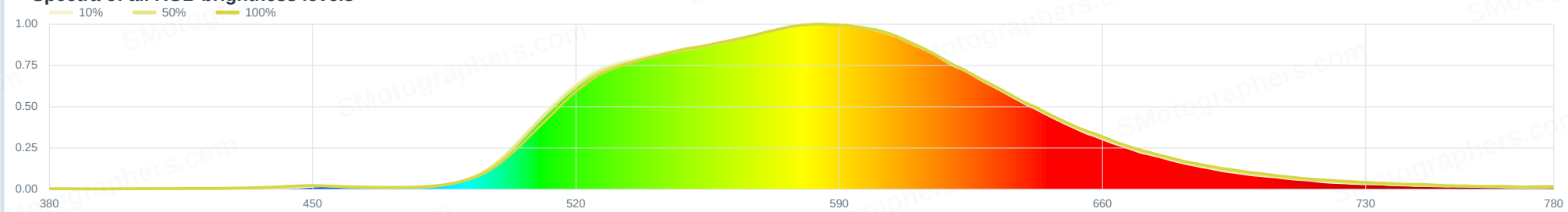
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



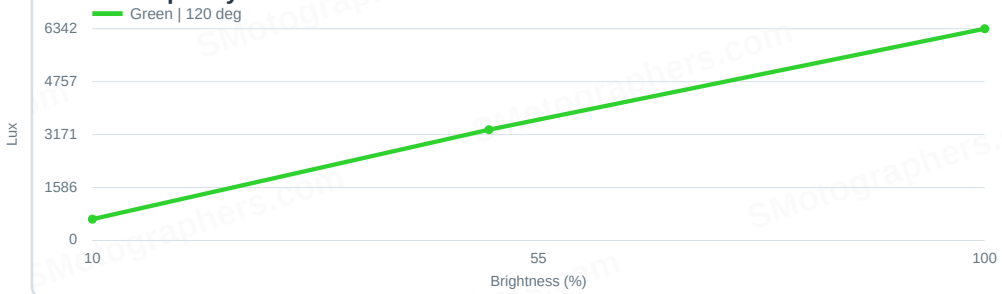
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Green | 120 deg

Hue: 120.0 deg | Saturati

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	639	7403	0.14378	532 nm	77.9%	529 nm	1/94/4
50%	3318	8084	0.15317	524 nm	71.7%	523 nm	1/93/6
100%	6342	8445	0.15440	519 nm	66.7%	520 nm	1/91/8

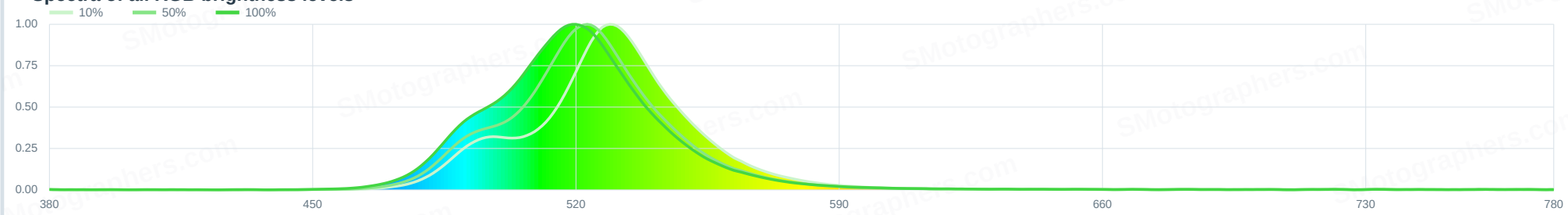
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



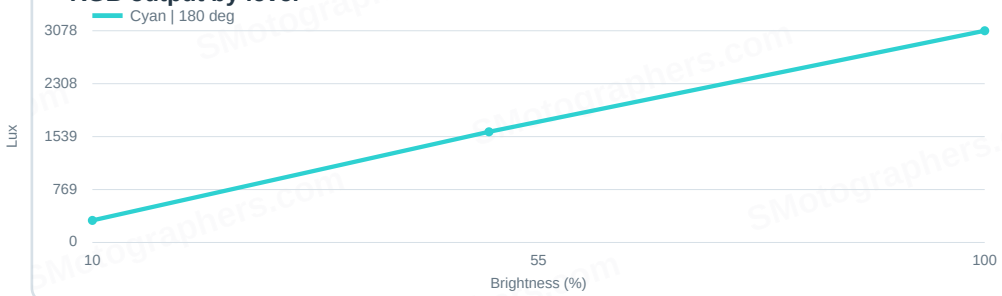
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Cyan | 180 deg

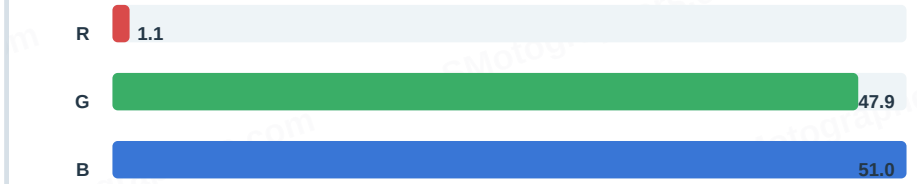
Hue: 180.0 deg | Saturati

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	321	26422	0.14778	495 nm	81.6%	493 nm	1/68/31
50%	1609	100000	0.12809	491 nm	82.7%	489 nm	2/54/45
100%	3078	100000	0.11714	489 nm	84.3%	487 nm	1/48/51

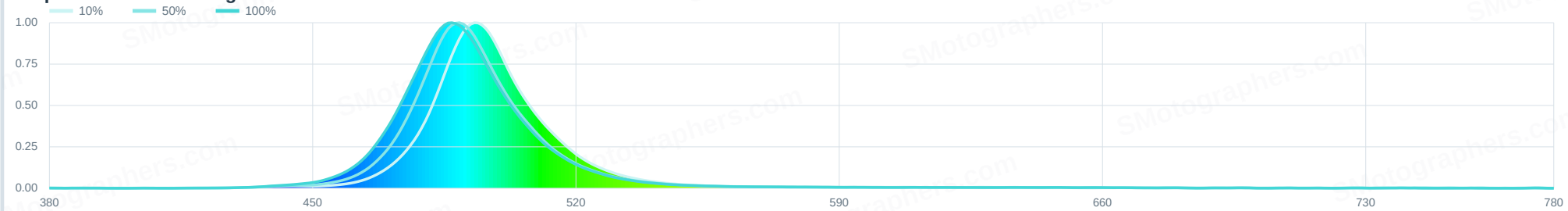
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



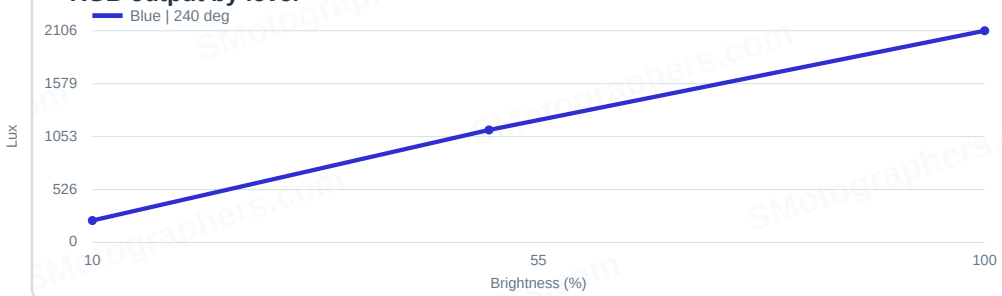
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Blue | 240 deg

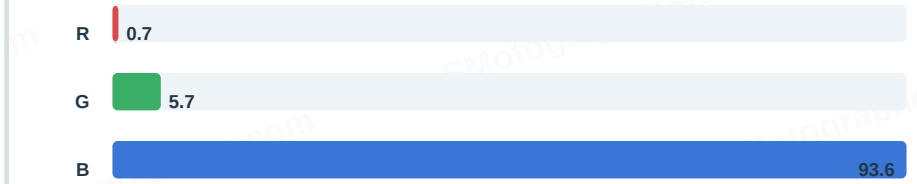
Hue: 240.0 deg | Saturati

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	218	100000	-0.01148	469 nm	94.4%	473 nm	1/10/89
50%	1119	100000	-0.03077	466 nm	95.8%	467 nm	0/7/93
100%	2106	100000	-0.03974	464 nm	96.1%	464 nm	1/6/94

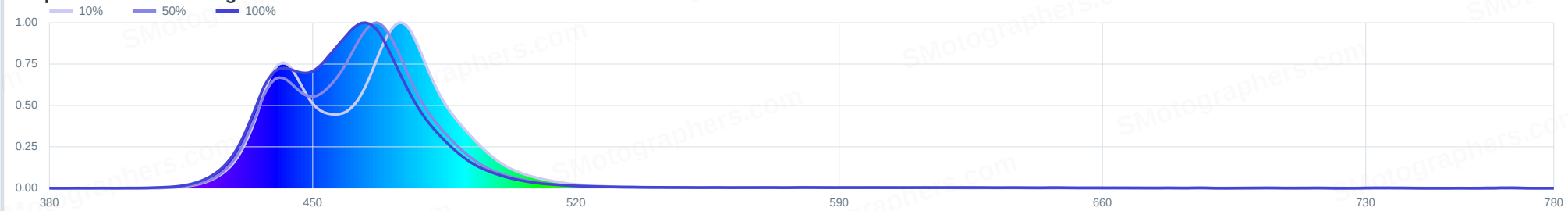
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



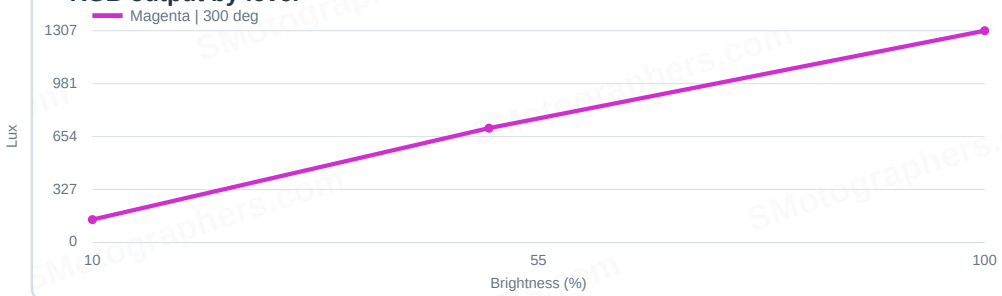
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Magenta | 300 deg

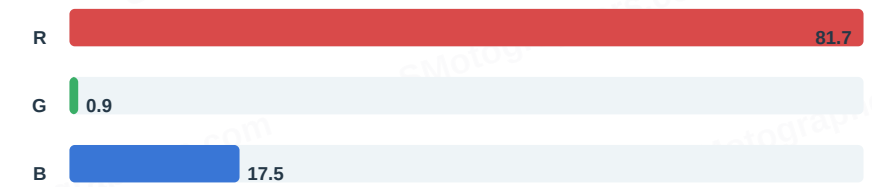
Hue: 300.0 deg | Saturati

Level	Lux	CCT	Duv	Dominant	Purity	Peak	RGB ratio
10%	141	1067	-0.13789	529 nm	40.2%	661 nm	84/1/16
50%	706	1097	-0.14392	534 nm	43.3%	661 nm	82/1/17
100%	1307	1128	-0.14916	538 nm	46.4%	663 nm	82/1/18

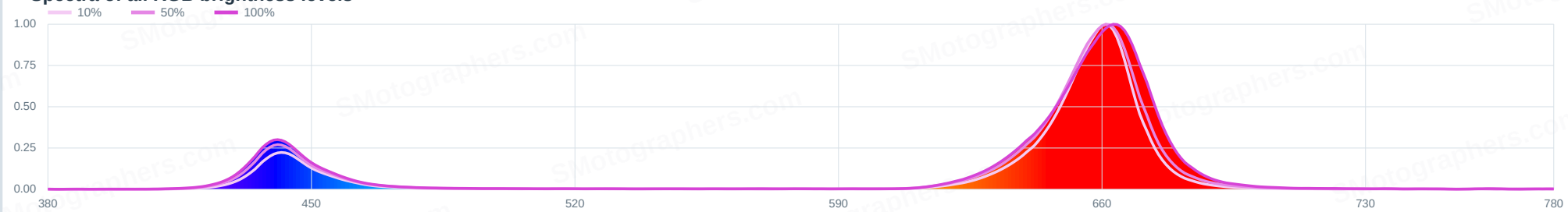
RGB output by level



Channel shares at brightest level



Spectra of all RGB brightness levels



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Nanlux Evoke 150C

Reflectors | Maximum output

Reflector	Target CCT	Lux	EV	Measured CCT	Duv	Source
BDR-W55	5500 K	1895	9.57	5905 K	0.00423	OHS-143909.csv
Kit reflector	5500 K	23746	13.21	5991 K	-0.00085	OHS-144013.csv
Standard reflector	5500 K	21915	13.10	5930 K	-0.00074	OHS-143748.csv

Max EV per reflector



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