

Photometric Report

Altha-1R WW 3000K 30gr, , Ordercode A0520060

REPORT SUMMARY

Output

Total Lumens: 145 Lumen
Peak Intensity: 1604 candela
Illuminance @ 5m: 64 lx
CRI: 79,8
CCT: 3056 K

Optical

Beam Angle (50%) 14,7 °
Field Angle (10%) 28,2 °

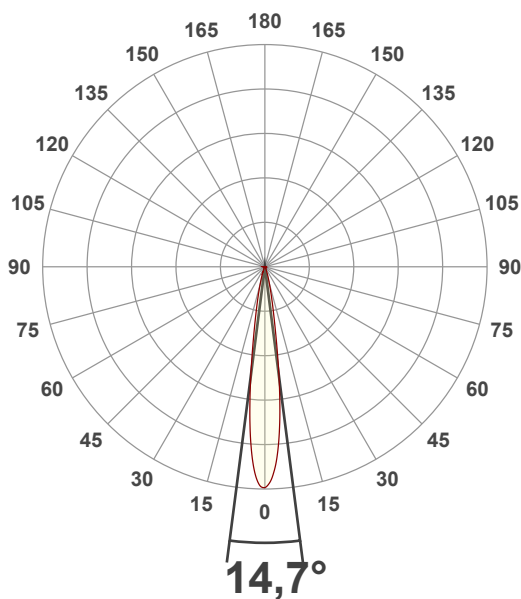
Conditions:

Power Supply: 228 V
Power: 2,7 W
Current: 0,028 A
Power Factor: 0,42

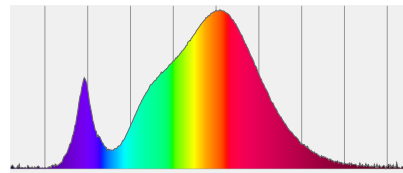


MEASUREMENTS

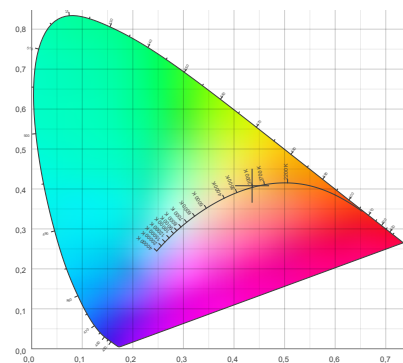
Angular Beam Distribution



Spectral Distribution



CIE 1931

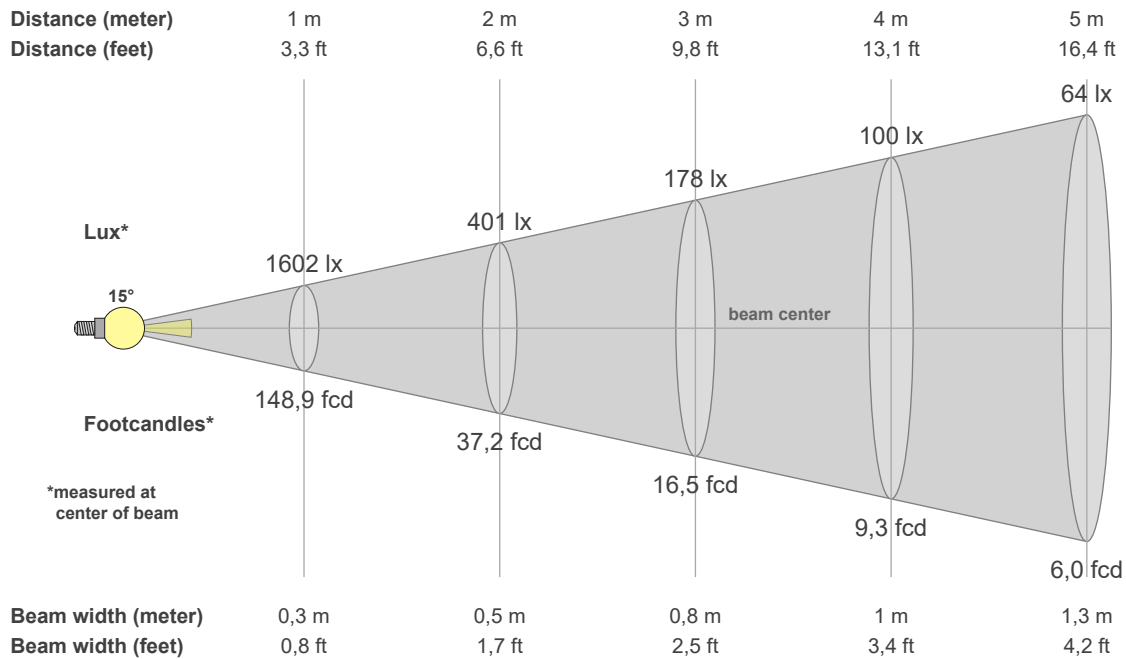


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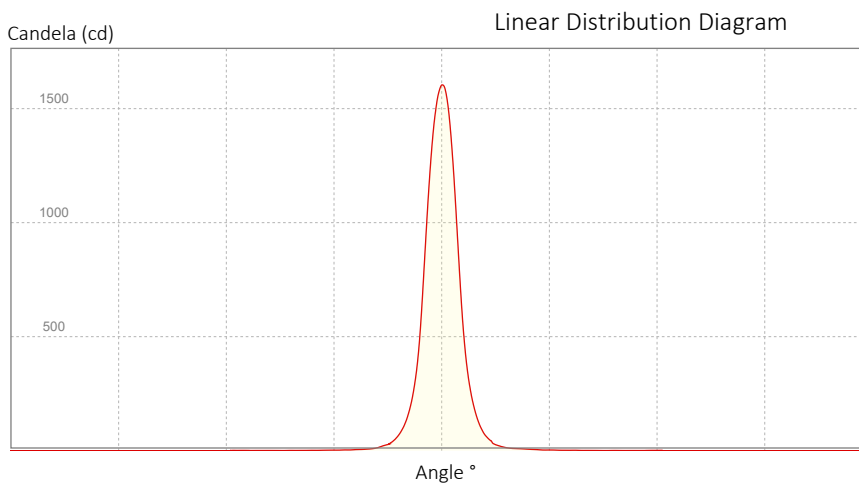
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BEAM DETAILS



Beam Illuminances from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
1602lx	401lx	178lx	100lx	64lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
148,9fcd	37,2fcd	16,5fcd	9,3fcd	6fcd	4,1fcd	3fcd	2,3fcd	1,8fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd



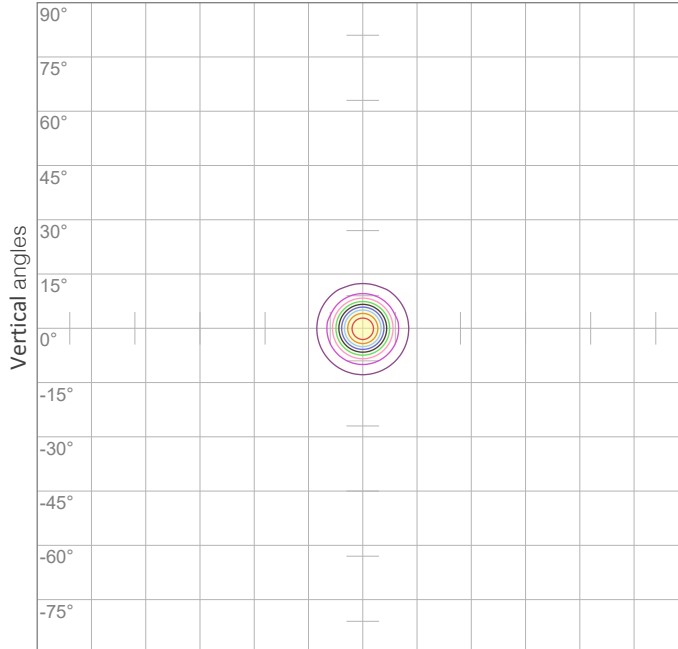
Beam Angle (50%): 14,7 °
 Field Angle (10%): 28,2 °
 Cutoff Angle (3%): 41,4 °

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POLAR DIAGRAMS



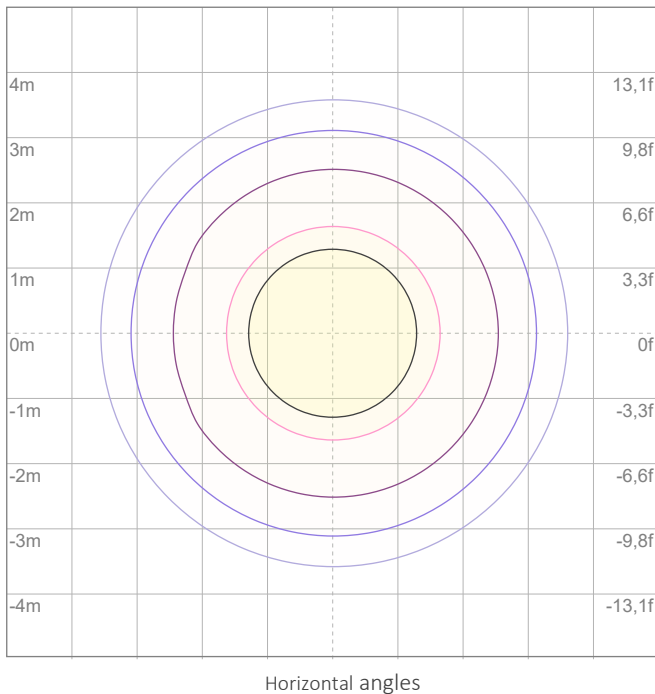
ISO candela diagram

10%	160 cd
20%	320 cd
30%	481 cd
40%	641 cd
50%	801 cd
60%	961 cd
70%	1122 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 1602 cd



ISO lux diagram

3%	0,481 lx
5%	0,801 lx
10%	1,60 lx
30%	4,81 lx
50%	8,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

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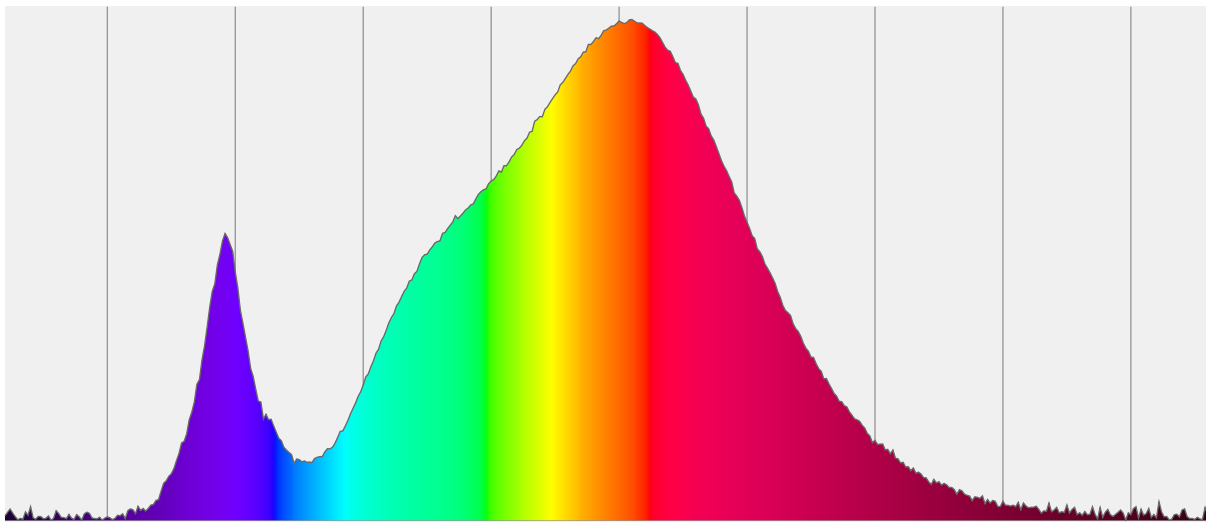
CHROMATICITY REPORT

Total Lumens: 145 lm
Peak Intensity: 1604 cd
Fixture Efficiency: 54 Lumen/Watt

Color Temperature: 3056 K
CRI: 79,8
CRI R9: 4,0
CQS: 79,3
TM-30 Rf: 81,2
TM-30 Rg: 98,2
 Δuv : 0,0018
1st Dominant Wavelength: 605 nm
2nd Dominant Wavelength: 446 nm



Spectral Distribution



Color

3056 K
CIE 1931 Coordinates:
X: 0,436 Y: 0,408

Color Temperature

3056 K

CRI

79,8

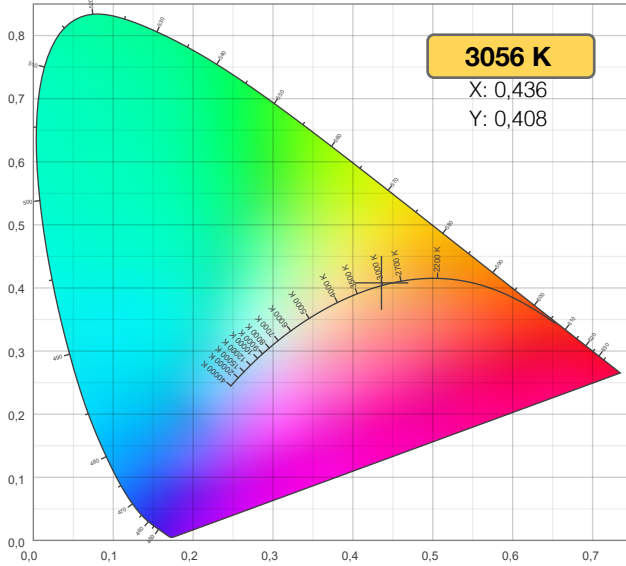
Photometric Report



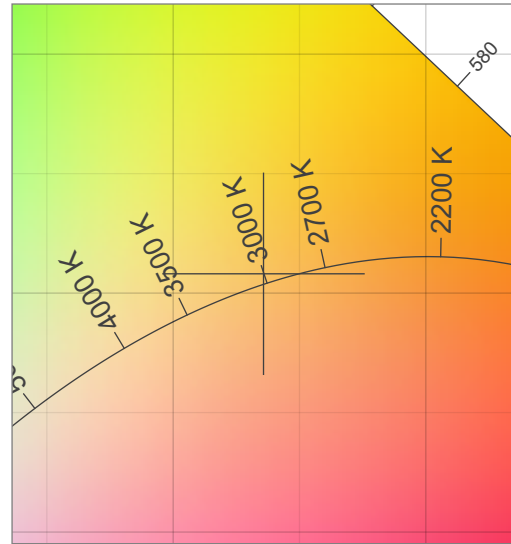
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CHROMATICITY

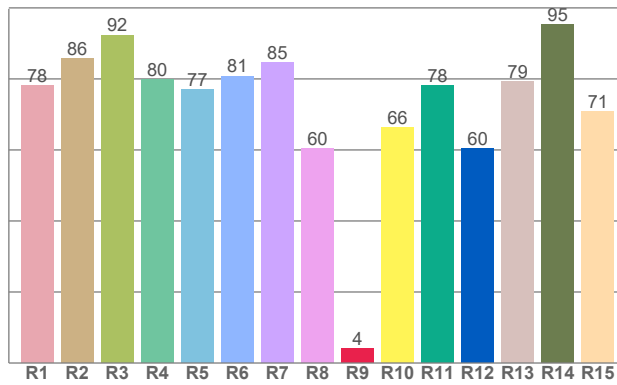
CIE 1931



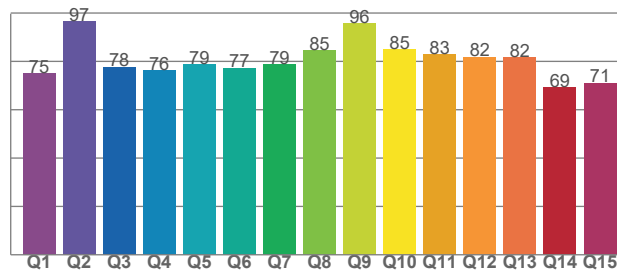
CIE 1931 - Detail



CRI: 79,8 (R1-R8)



CQSI: 79,3



Photometric Report



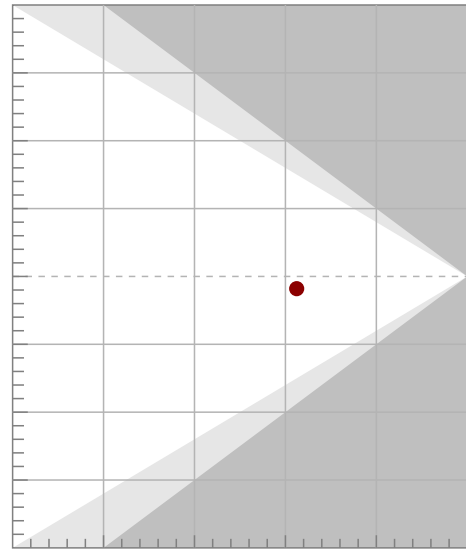
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TM-30-18 DETAILS

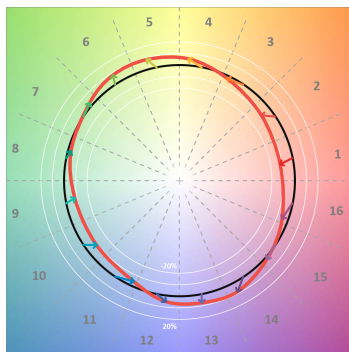
Rf 81,2
Fidelity index Rf

Rg 98,2
Gamut index Rg

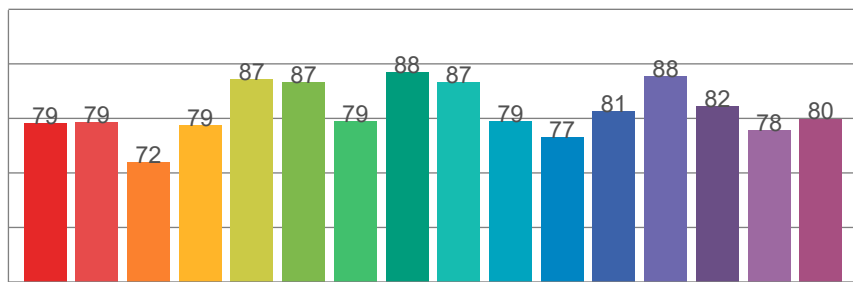
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-11%	-3%
2	79	-9%	8%
3	72	-3%	15%
4	79	5%	13%
5	87	9%	7%
6	87	8%	-3%
7	79	2%	-13%
8	88	-3%	-7%
9	87	-8%	-3%
10	79	-9%	7%
11	77	-5%	16%
12	81	5%	9%
13	88	8%	-1%
14	82	8%	-11%
15	78	1%	-14%
16	80	-6%	-15%



TM30-18 Color Vectors



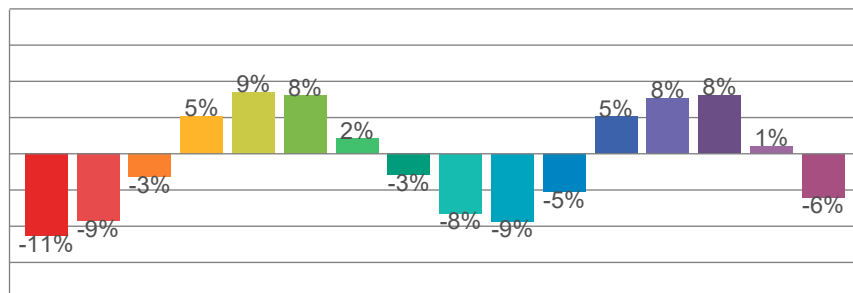
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

