

Photometric Report

Phantom 350 Spot WHITE wide focus, , Ordercode 40003



REPORT SUMMARY

Output

Total Lumens:	14660 Lumen
Peak Intensity:	65356 candela
Illuminance @ 5m:	2614 lx
CRI:	69,2
CCT:	8601 K

Optical

Beam Angle (50%)	32,8 °
Field Angle (10%)	38,2 °

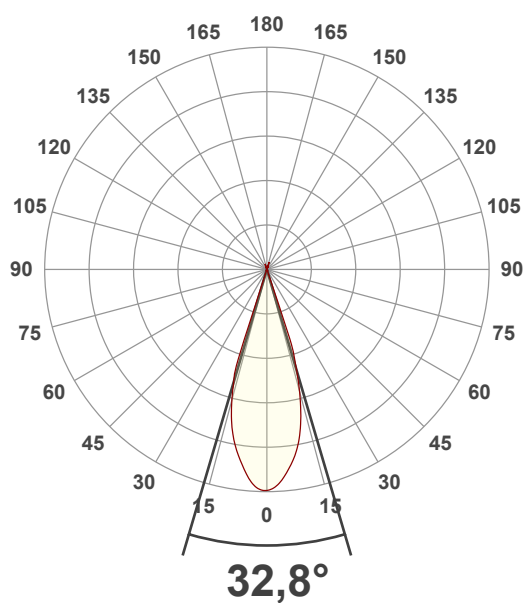
Conditions:

Power Supply:	219 V
Power:	424,9 W
Current:	1,94 A
Power Factor:	1,0

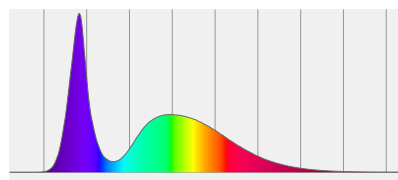


MEASUREMENTS

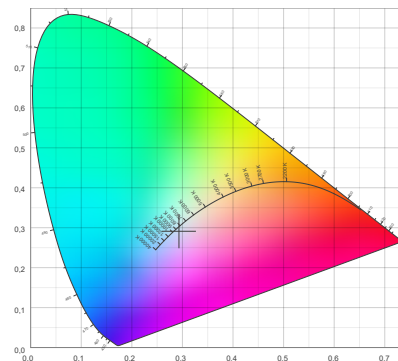
Angular Beam Distribution



Spectral Distribution



CIE 1931

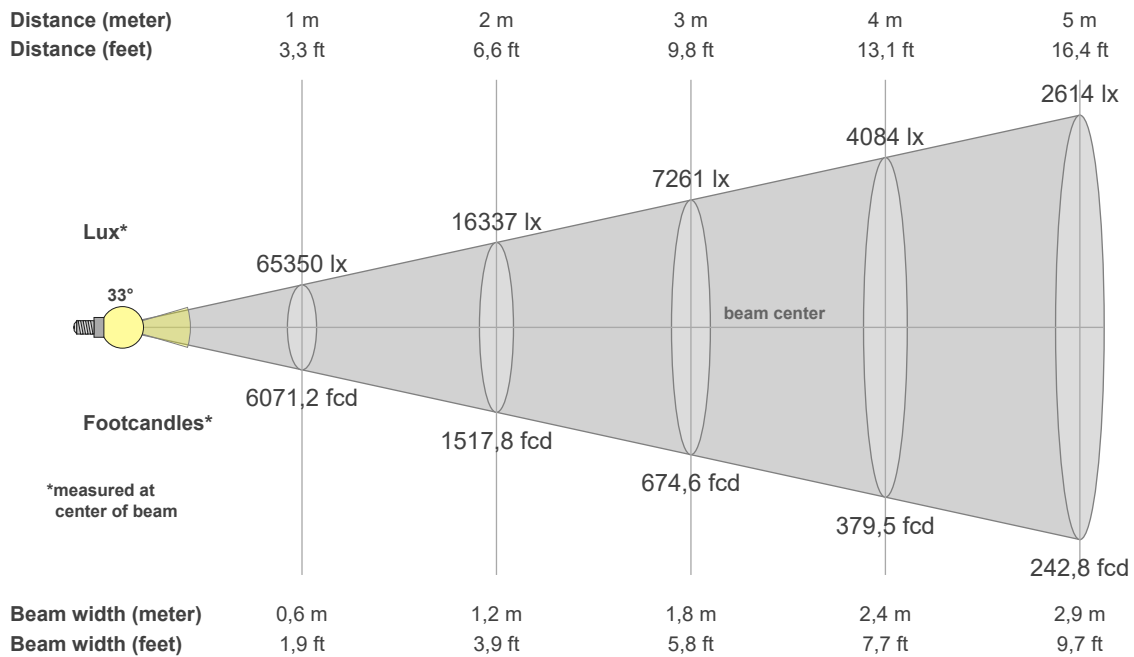


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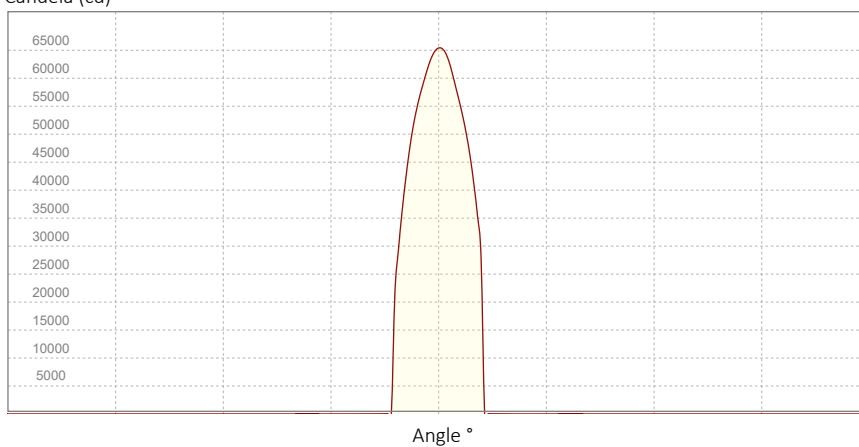
BEAM DETAILS



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
65350lx	16337lx	7261lx	4084lx	2614lx	1815lx	1334lx	1021lx	807lx	653lx	540lx	454lx	387lx	333lx	290lx	255lx	226lx	202lx	181lx	163lx
6071,2fcd	1517,8fcd	674,6fcd	379,5fcd	242,8fcd	168,6fcd	123,9fcd	94,9fcd	75fcd	60,7fcd	50,2fcd	42,2fcd	35,9fcd	31fcd	27fcd	23,7fcd	21fcd	18,7fcd	16,8fcd	15,2fcd

Linear Distribution Diagram



Beam Angle (50%): 32,8 °

Field Angle (10%): 38,2 °

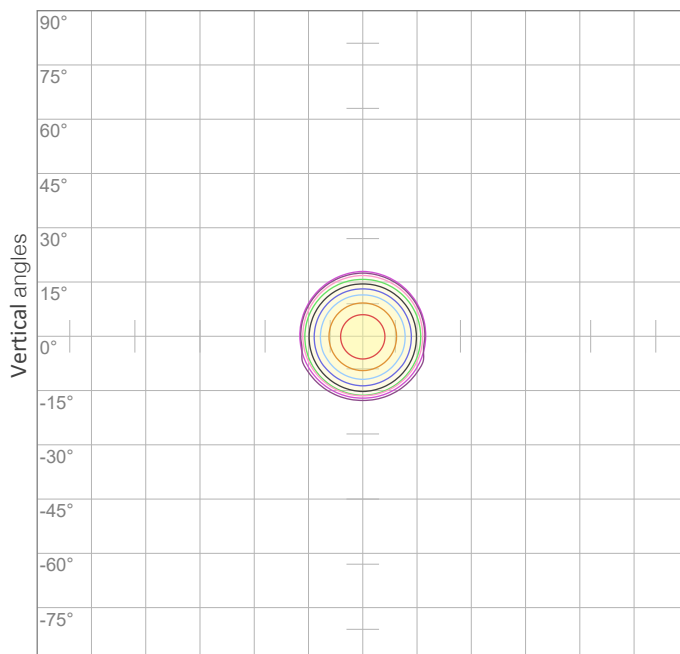
Cutoff Angle (3%): 38,8 °

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POLAR DIAGRAMS



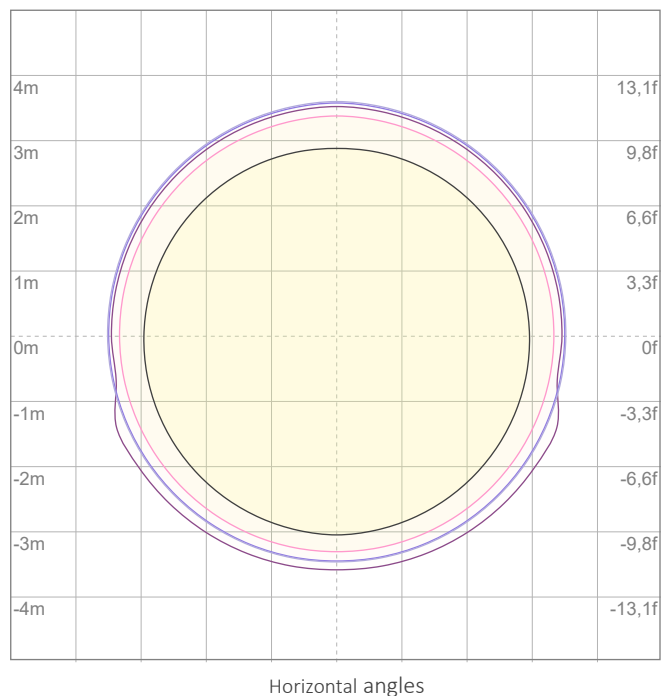
ISO candela diagram

10%	6535 cd
20%	13070 cd
30%	19605 cd
40%	26140 cd
50%	32675 cd
60%	39210 cd
70%	45745 cd

Conditions:

Number of c-planes: 2

Candela at center: 65350 cd



ISO lux diagram

3%	19,6 lx
5%	32,7 lx
10%	65,3 lx
30%	196 lx
50%	327 lx

Conditions:

Number of c-planes: 2

Lux at center: 653 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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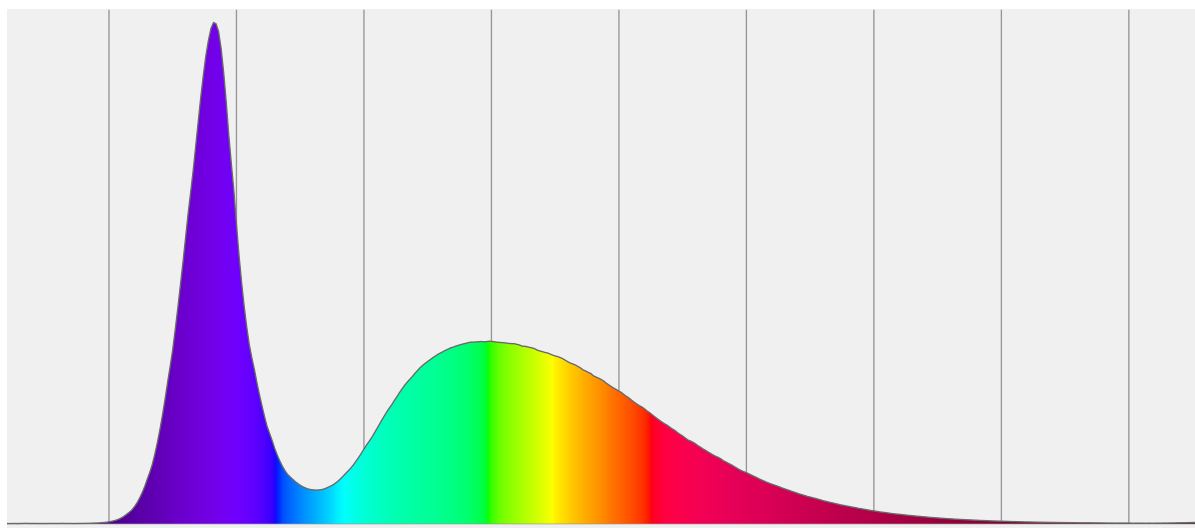
CHROMATICITY REPORT

Total Lumens: 14660 lm
Peak Intensity: 65356 cd
Fixture Efficiency: 35 Lumen/Watt

Color Temperature: 8601 K
CRI: 69,2
CRI R9: -10,4
CQS: 67,2
TM-30 Rf: 65,8
TM-30 Rg: 97,9
 Δuv : -0,0062
1st Dominant Wavelength: 441 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

8601 K
CIE 1931 Coordinates:
X: 0,293 Y: 0,291

Color Temperature

8601 K

CRI

69,2

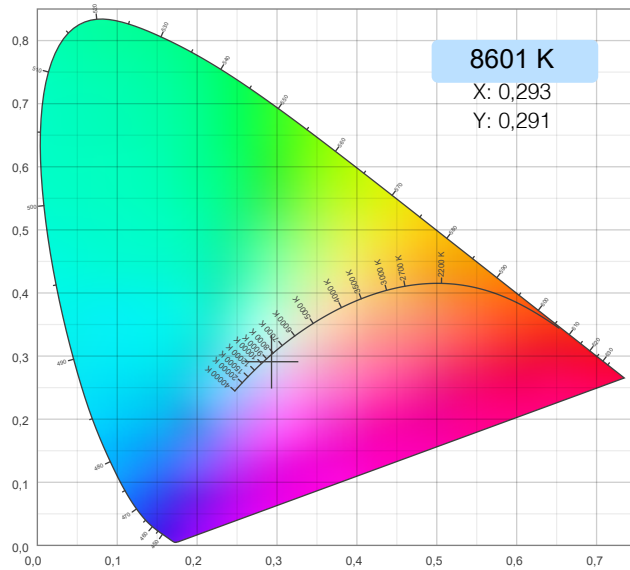
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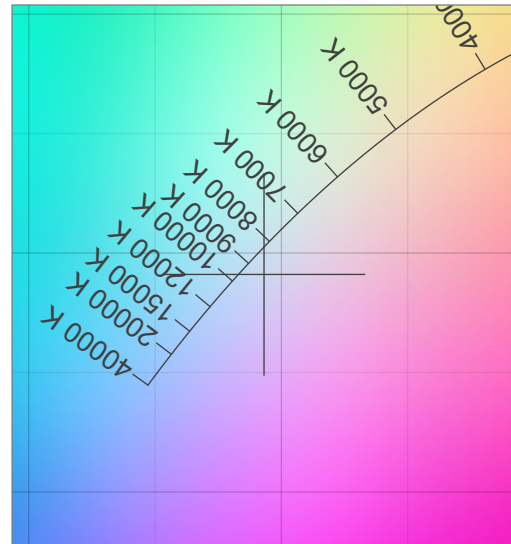


CHROMATICITY

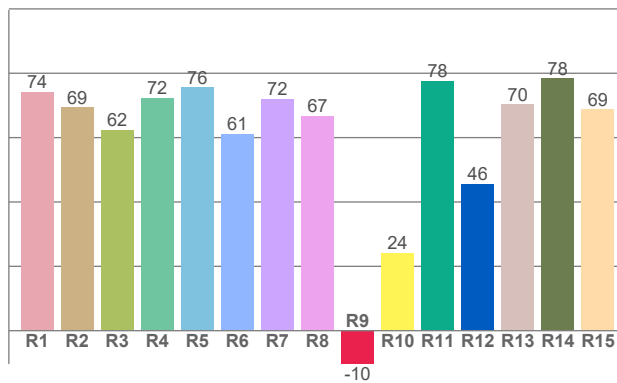
CIE 1931



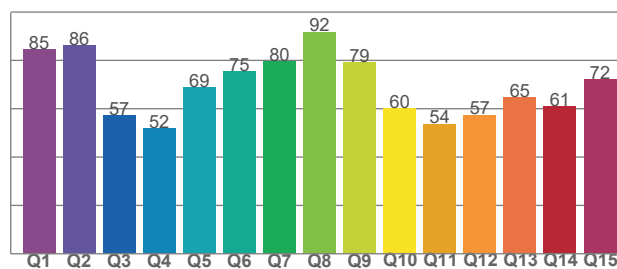
CIE 1931 - Detail



CRI: 69,2 (R1-R8)



CQSI: 67,2



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TM-30-18 DETAILS

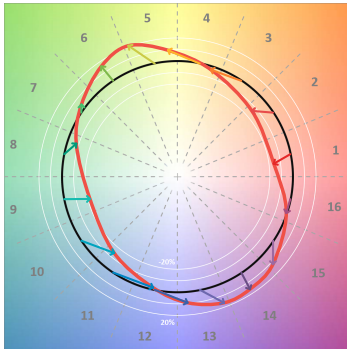
Rf 65,8

Fidelity index Rf

Rg 97,9

Gamut index Rg

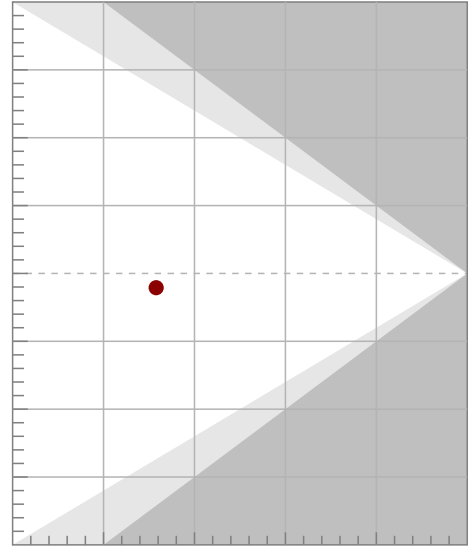
TM30-18 Color Vectors



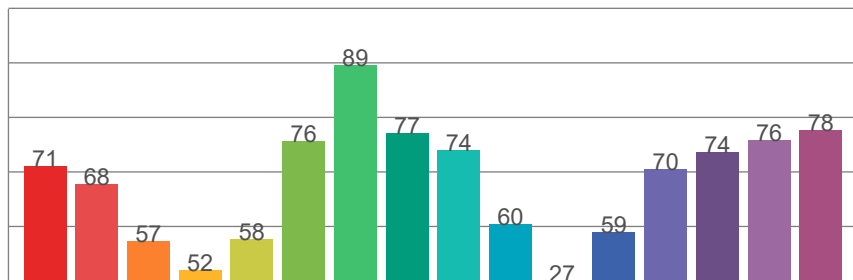
TM30 Color Distortion



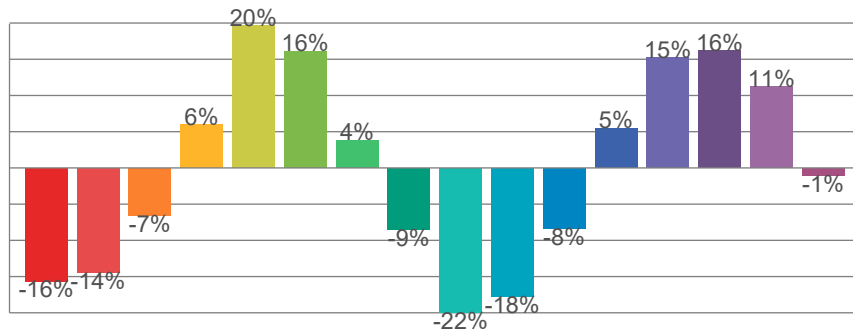
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	71	-16%	-5%
2	68	-14%	11%
3	57	-7%	27%
4	52	6%	29%
5	58	20%	19%
6	76	16%	2%
7	89	4%	-6%
8	77	-9%	-11%
9	74	-22%	4%
10	60	-18%	25%
11	27	-8%	36%
12	59	5%	30%
13	70	15%	19%
14	74	16%	-2%
15	76	11%	-17%
16	78	-1%	-12%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

