

# Photometric Report



33059 - Performer Profile 150 Q6 (A), Zoom: narrow, Ordercode

## REPORT SUMMARY

### Output

Total Lumens:	1138 Lumen
Peak Intensity:	8954 candela
Illuminance @ 5m:	358 lx
CRI:	35,9
CCT:	1764 K

### Optical

Beam Angle (50%)	24,2 °
Field Angle (10%)	26,7 °

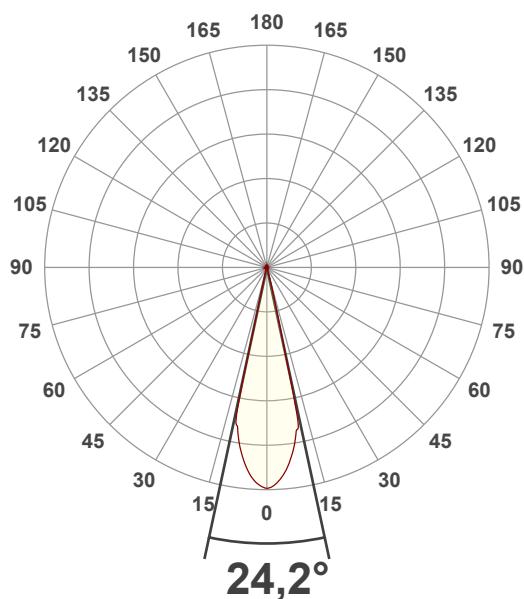
### Conditions:

Power Supply:	227 V
Power:	42,9 W
Current:	0,343 A
Power Factor:	0,55

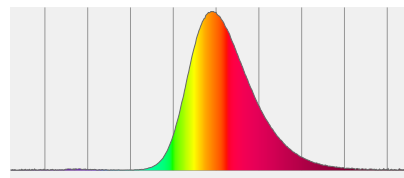


## MEASUREMENTS

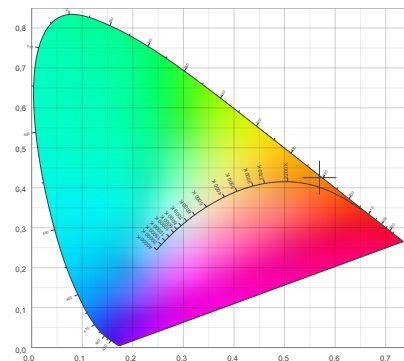
Angular Beam Distribution



Spectral Distribution



CIE 1931

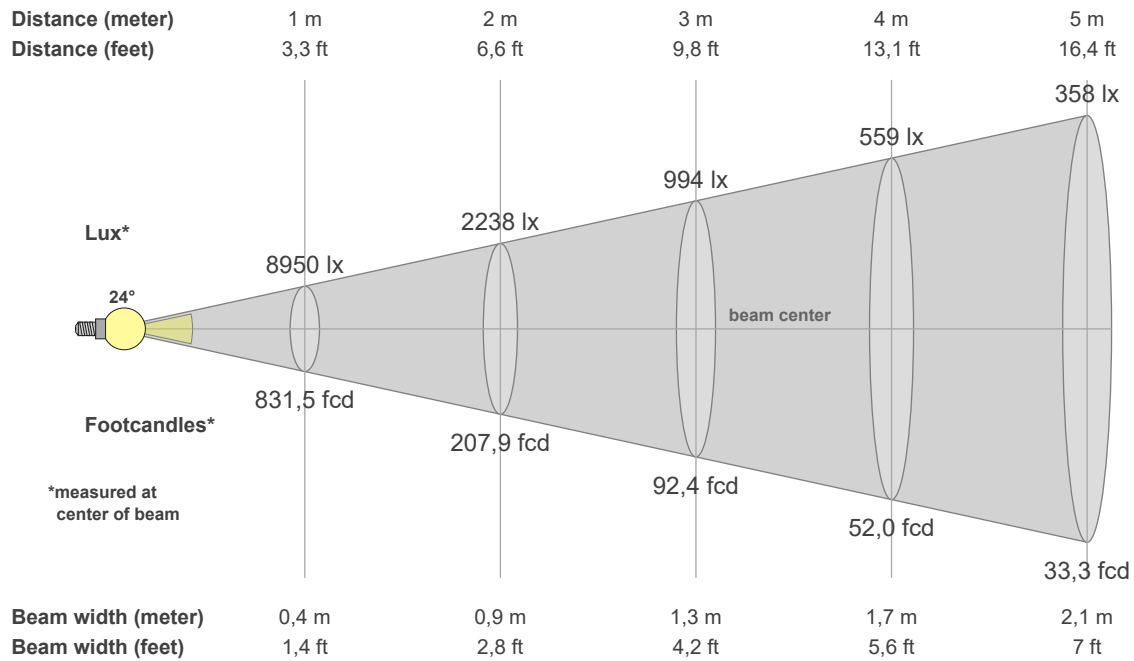


## BEAM DETAILS

# Photometric Report

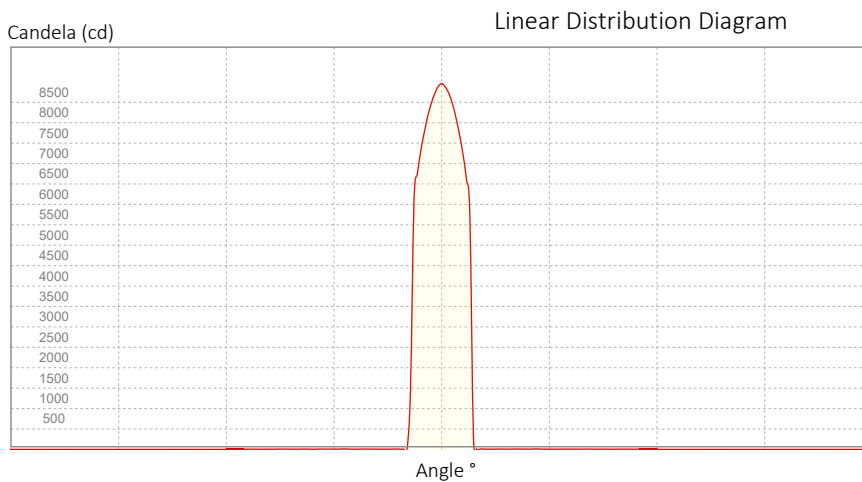


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## Beam Illuminances from 1-20m

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
8950lx	2238lx	994lx	559lx	358lx	249lx	183lx	140lx	110lx	90lx	74lx	62lx	53lx	46lx	40lx	35lx	31lx	28lx	25lx	22lx
831,5fcd	207,9fcd	92,4fcd	52fcd	33,3fcd	23,1fcd	17fcd	13fcd	10,3fcd	8,3fcd	6,9fcd	5,8fcd	4,9fcd	4,2fcd	3,7fcd	3,2fcd	2,9fcd	2,6fcd	2,3fcd	2,1fcd



Beam Angle (50%): 24,2 °  
 Field Angle (10%): 26,7 °  
 Cutoff Angle (3%): 28,2 °

## POLAR DIAGRAMS

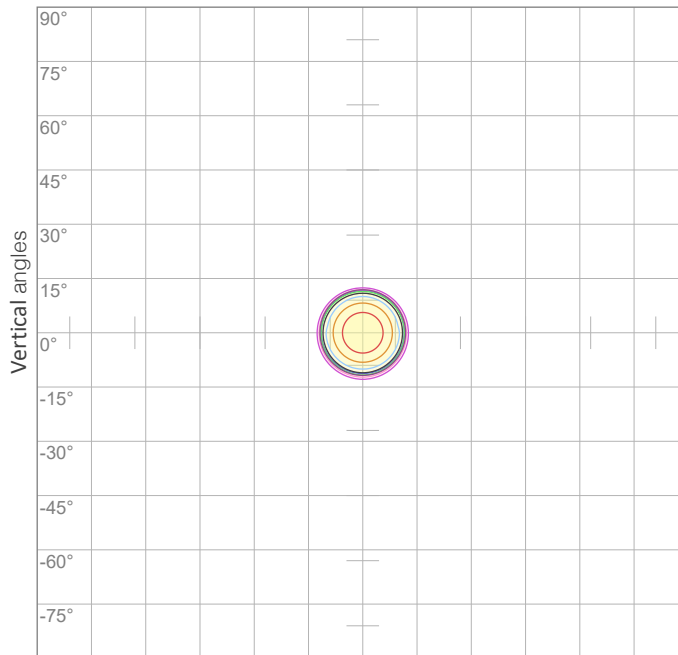
### ISO candela diagram

All product specifications, measurements, values and dimensions are subject to change without prior notice

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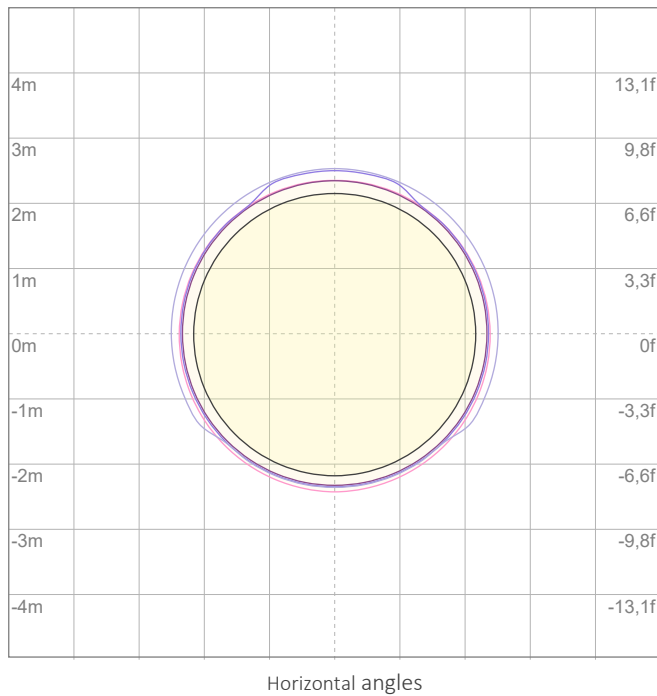


10%	895 cd
20%	1790 cd
30%	2685 cd
40%	3580 cd
50%	4475 cd
60%	5370 cd
70%	6265 cd

Conditions:

Number of c-planes: {C\_PLANES}

Candela at center: 8950 cd



## ISO lux diagram

3%	2,69 lx
5%	4,48 lx
10%	8,95 lx
30%	26,9 lx
50%	44,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 89,5 lx

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

Mounting height: 10 meters (33 feet)

## CHROMATICITY REPORT

# Photometric Report



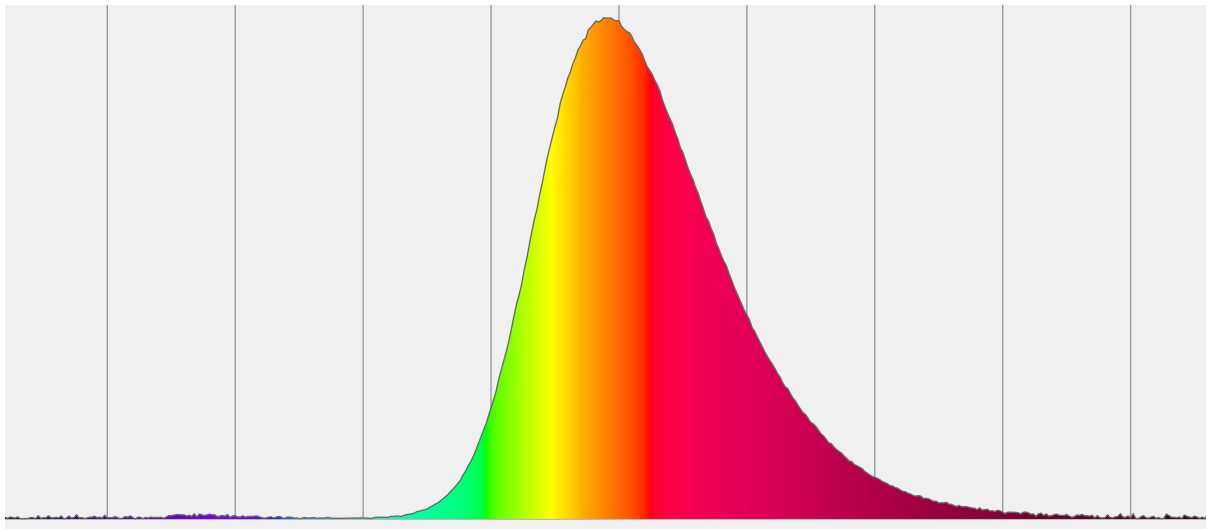
**33059 - Performer Profile 150 Q6 (A), Zoom: narrow, Ordercode**

Total Lumens: 1138 lm  
Peak Intensity: 8954 cd  
Fixture Efficiency: 26 Lumen/Watt

Color Temperature: 1764 K  
CRI: 35,9  
CRI R9: -117,6  
CQS: 2,5  
TM-30 Rf: 43,1  
TM-30 Rg: 41,5  
 $\Delta uv$ : 0,0060  
1<sup>st</sup> Dominant Wavelength: 594 nm  
2<sup>nd</sup> Dominant Wavelength: n/a nm



Spectral Distribution



## Color

**1764 K**  
CIE 1931 Coordinates:  
X: 0,569 Y: 0,425

## Color Temperature

1764 K

## CRI

35,9

## CHROMATICITY

CIE 1931 - Detail

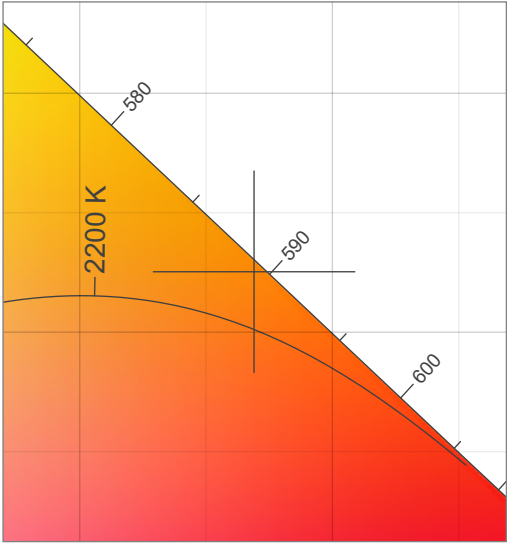
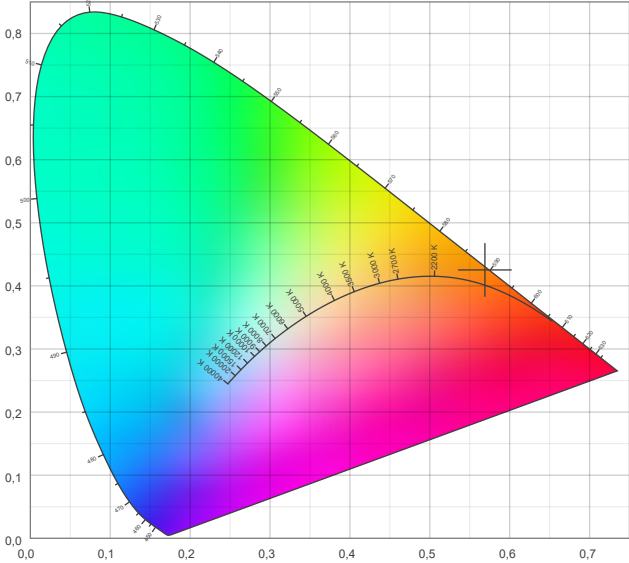
1764 K

All product specifications, measurements, values and dimensions are subject to change without prior notice  
X: 0,569  
Y: 0,425

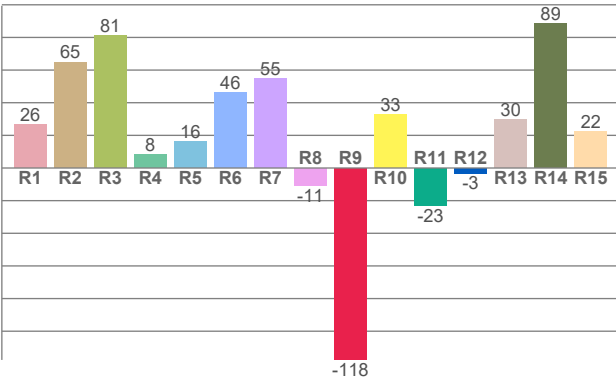
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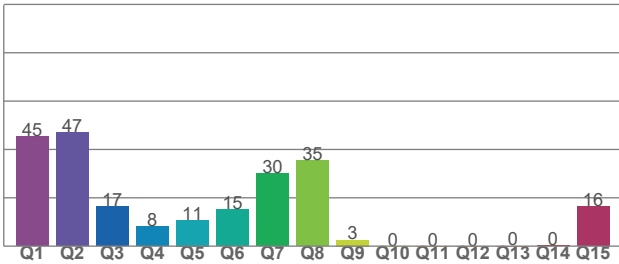
CIE 1931



CRI: 35,9 (R1-R8)



CQSI: 2,5



## TM-30-18 DETAILS

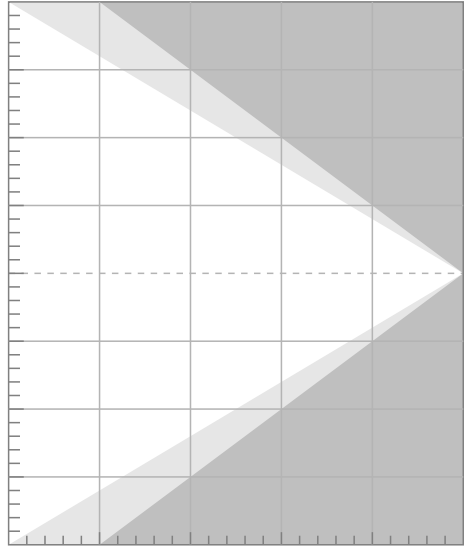
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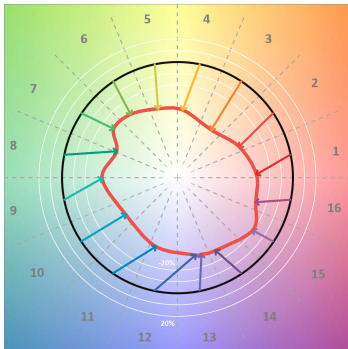
**Rf 43,1**  
Fidelity index Rf

**Rg 41,5**  
Gamut index Rg

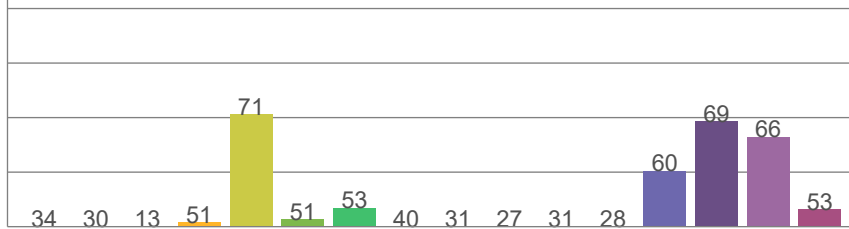
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	34	-32%	-11%
2	30	-41%	-8%
3	13	-49%	-2%
4	51	-42%	7%
5	71	-38%	5%
6	51	-32%	3%
7	53	-31%	-4%
8	40	-44%	-12%
9	31	-36%	-12%
10	27	-45%	2%
11	31	-40%	18%
12	28	-37%	29%
13	60	-30%	8%
14	69	-29%	-8%
15	66	-20%	-2%
16	53	-29%	-8%



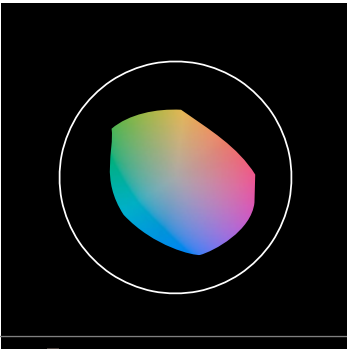
TM30-18 Color Vectors



Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift

