

Photometric Report

PAR 30 Warm-On-Dim (Full on), , Ordercode 43313

REPORT SUMMARY

Output

Total Lumens:	1077 Lumen
Peak Intensity:	2107 candela
Illuminance @ 5m:	83 lx
CRI:	96,8
CCT:	2757 K

Optical

Beam Angle (50%)	40,2 °
Field Angle (10%)	70,5 °

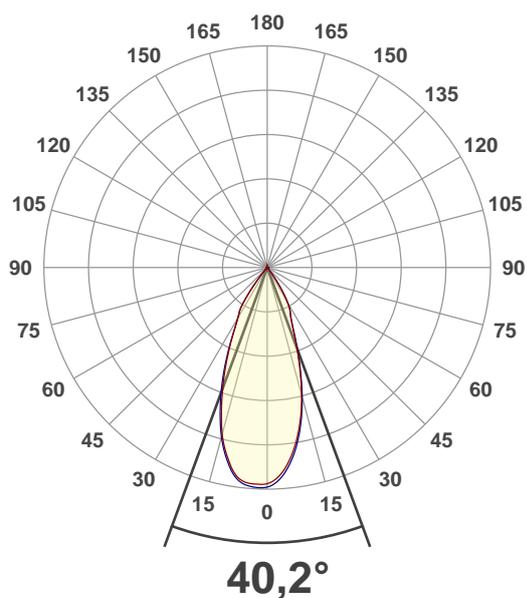
Conditions:

Power Supply:	226 V
Power:	20,9 W
Current:	0,114 A
Power Factor:	0,81

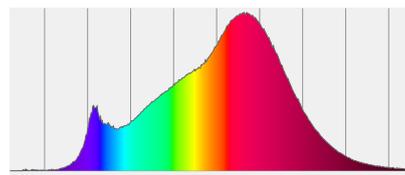


MEASUREMENTS

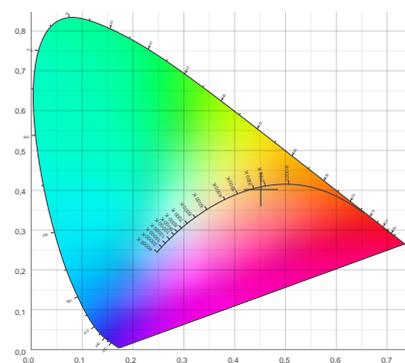
Angular Beam Distribution



Spectral Distribution



CIE 1931

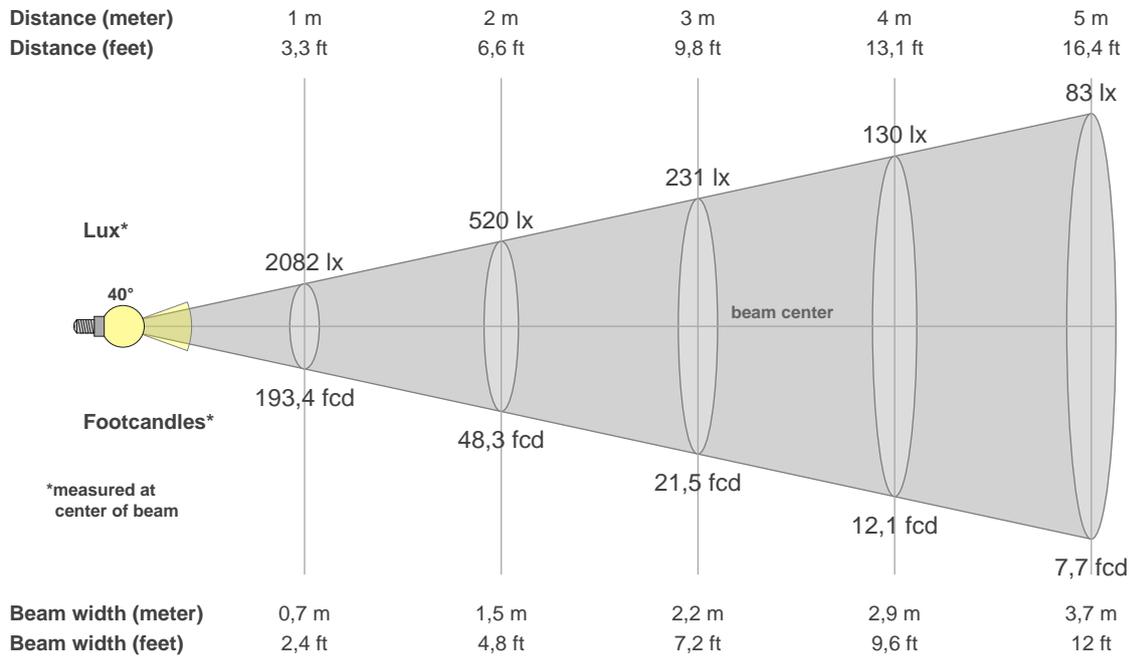


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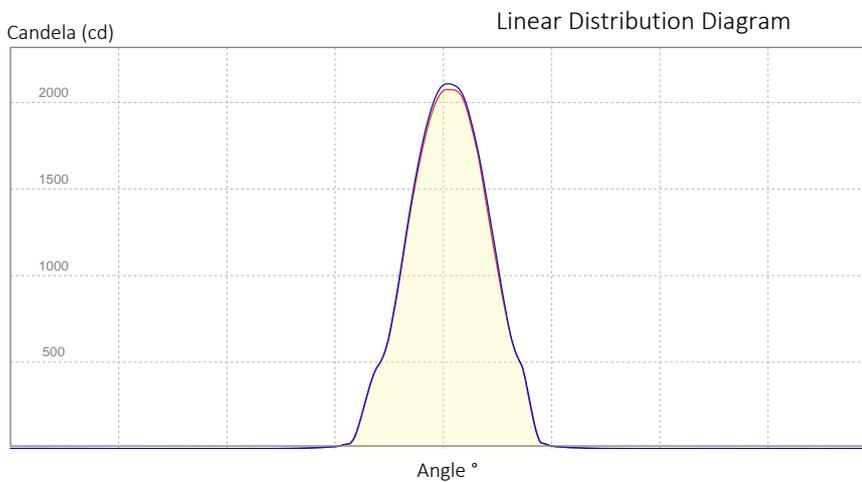
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BEAM DETAILS



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
2082lx	520lx	231lx	130lx	83lx	58lx	42lx	33lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
193,4fcd	48,3fcd	21,5fcd	12,1fcd	7,7fcd	5,4fcd	3,9fcd	3fcd	2,4fcd	1,9fcd	1,6fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd



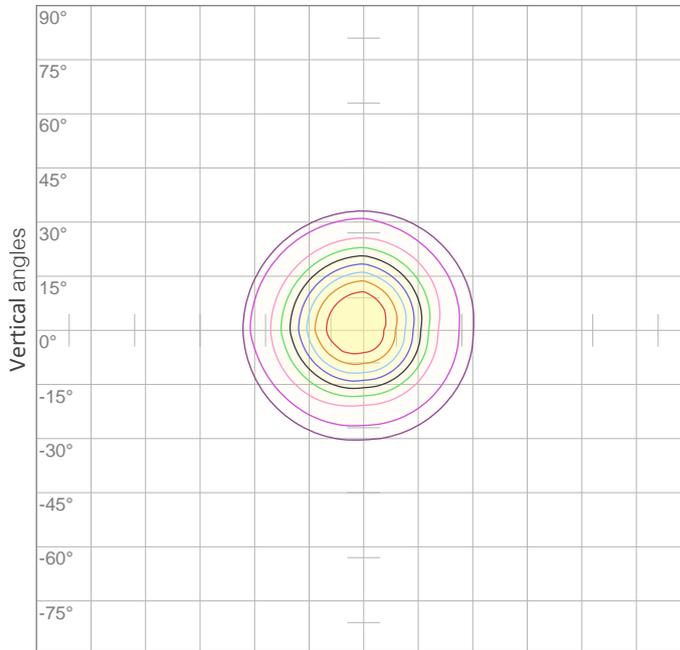
Beam Angle (50%): 40,2 °
 Field Angle (10%): 70,5 °
 Cutoff Angle (3%): 77,5 °

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POLAR DIAGRAMS



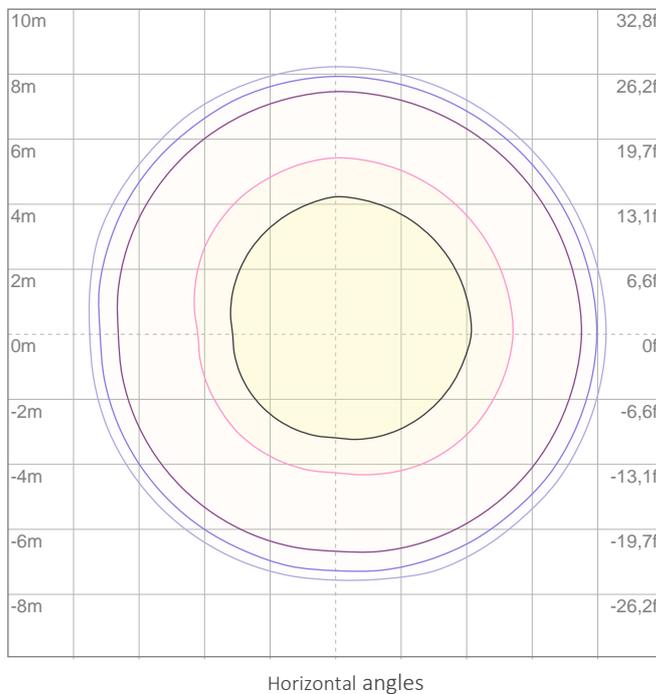
ISO candela diagram

10%	208 cd
20%	416 cd
30%	624 cd
40%	833 cd
50%	1041 cd
60%	1249 cd
70%	1457 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 2082 cd



ISO lux diagram

3%	0,624 lx
5%	1,04 lx
10%	2,08 lx
30%	6,24 lx
50%	10,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 20,8 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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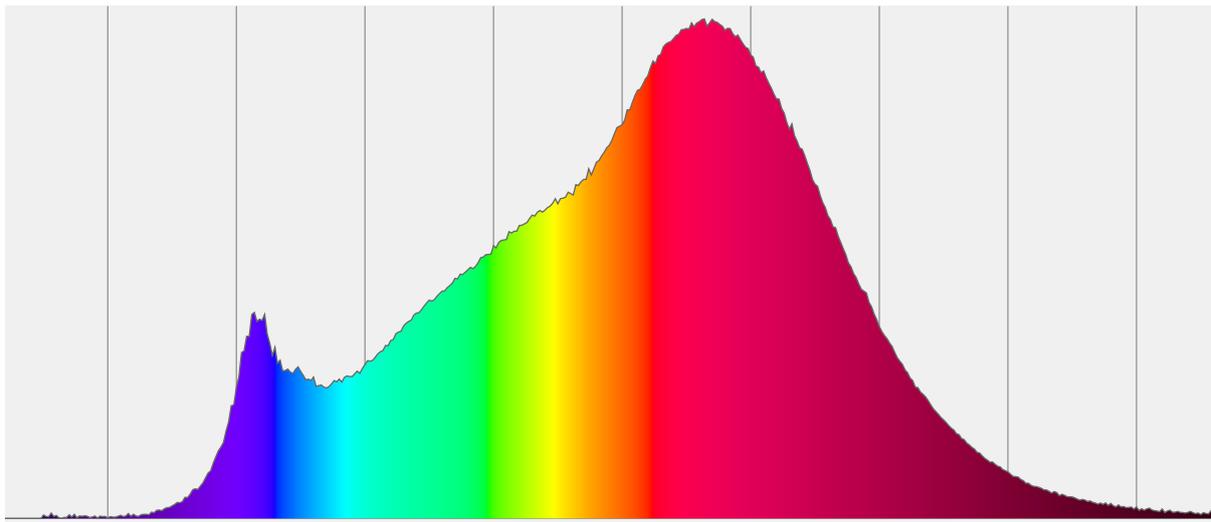
CHROMATICITY REPORT

Total Lumens: 1077 lm
Peak Intensity: 2107 cd
Fixture Efficiency: 51 Lumen/Watt

Color Temperature: 2757 K
CRI: 96,8
CRI R9: 88,9
CQS: 93,9
TM-30 Rf: 93,1
TM-30 Rg: 99,2
 Δuv : -0,0025
1st Dominant Wavelength: 632 nm
2nd Dominant Wavelength: 457 nm



Spectral Distribution



Color

2757 K
CIE 1931 Coordinates:
X: 0,451 Y: 0,402

Color Temperature

2757 K

CRI

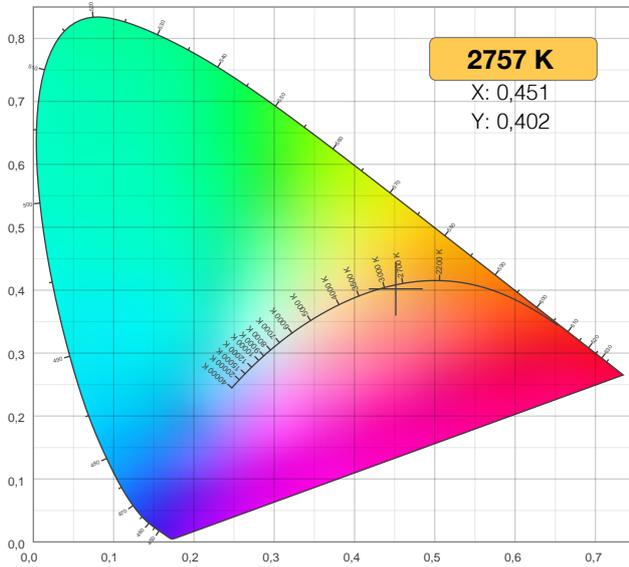
96,8

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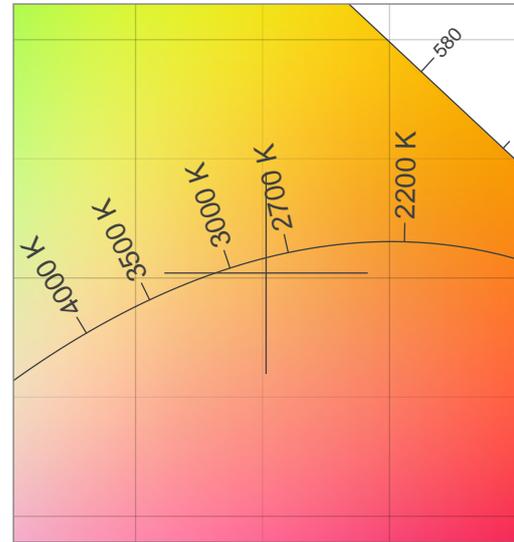
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CHROMATICITY

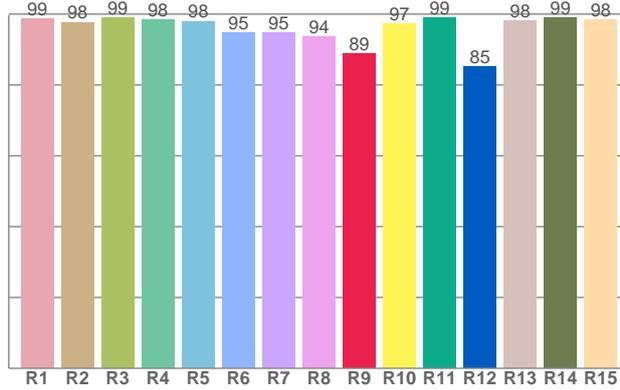
CIE 1931



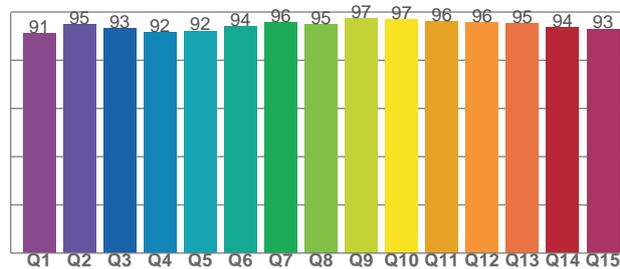
CIE 1931 - Detail



CRI: 96,8 (R1-R8)



CQSI: 93,9



Photometric Report



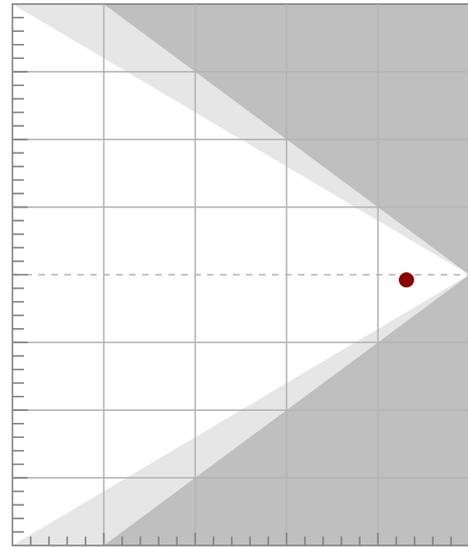
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TM-30-18 DETAILS

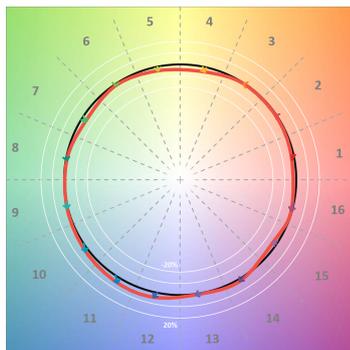
Rf 93,1
Fidelity index Rf

Rg 99,2
Gamut index Rg

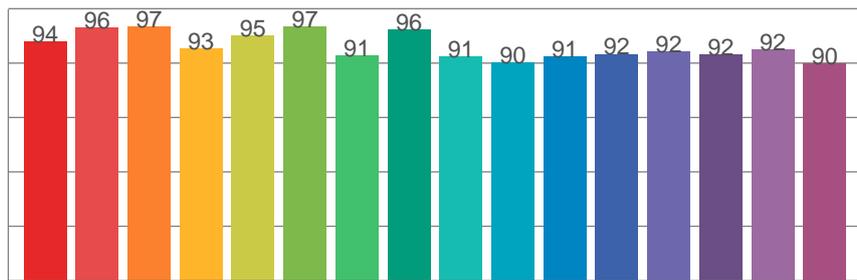
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-2%	2%
2	96	0%	1%
3	97	0%	1%
4	93	-4%	-3%
5	95	-3%	0%
6	97	-1%	1%
7	91	-4%	4%
8	96	-1%	2%
9	91	0%	5%
10	90	2%	7%
11	91	5%	5%
12	92	5%	-2%
13	92	1%	-6%
14	92	2%	-6%
15	92	-3%	0%
16	90	-1%	-8%



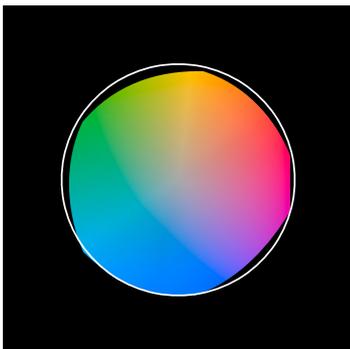
TM30-18 Color Vectors



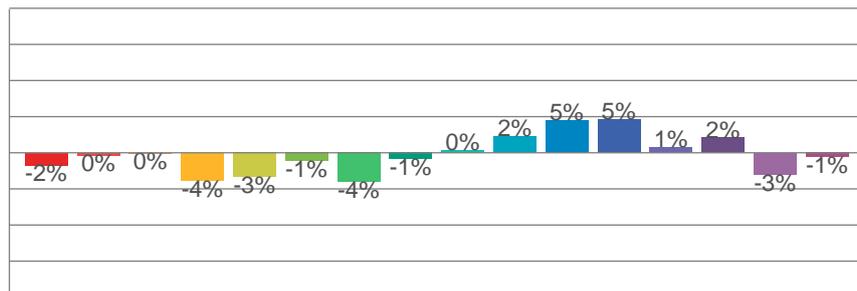
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

