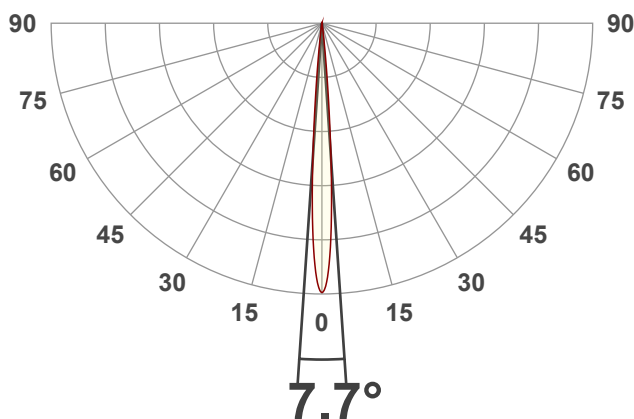


Overview



Punchlite 220 Narrow



Output

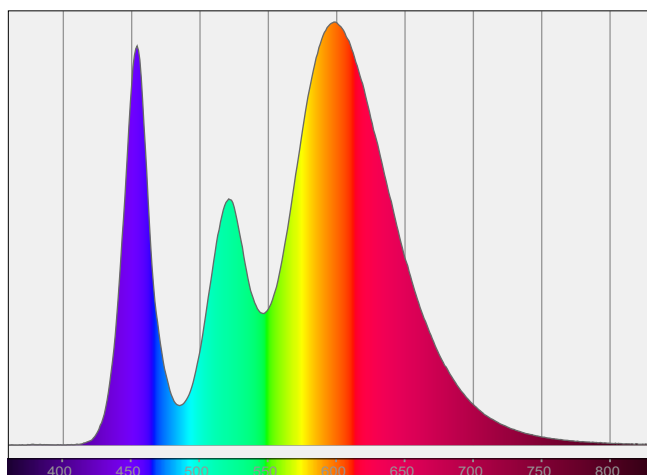
980 lm

Measurement details

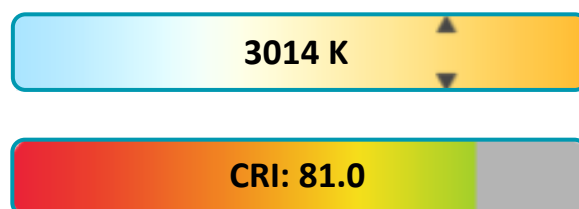
Zoom DMX	000
Edge DMX	NA
Date	11/7/2023
Power	78.3 W
	220 V / 0.356 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-231107-0100-MS

Beam angles

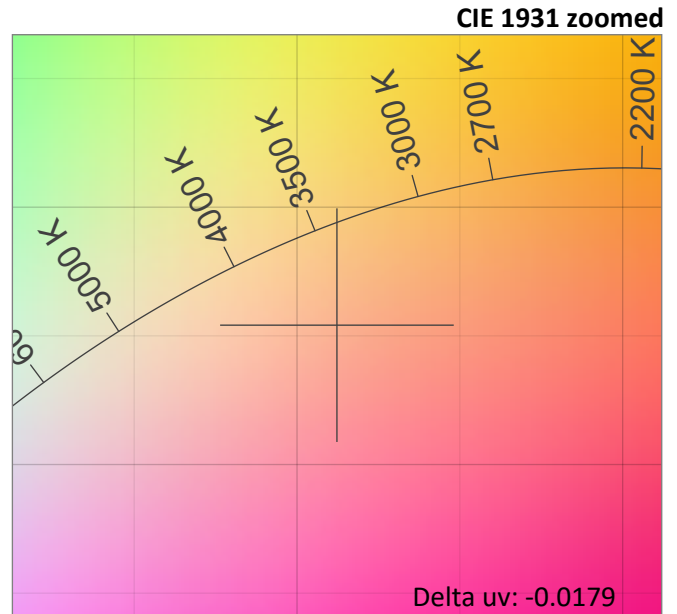
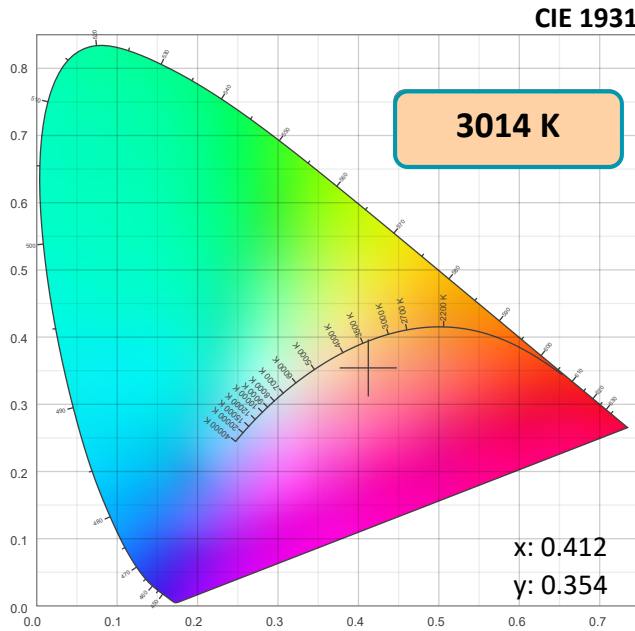
Beam angle (50%)	7.7°
Field Angle (10%)	12.7°
Cut-off Angle (2.5%)	15.8°



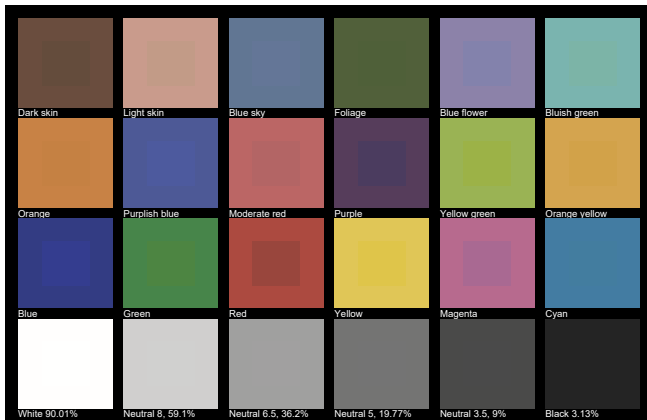
Color



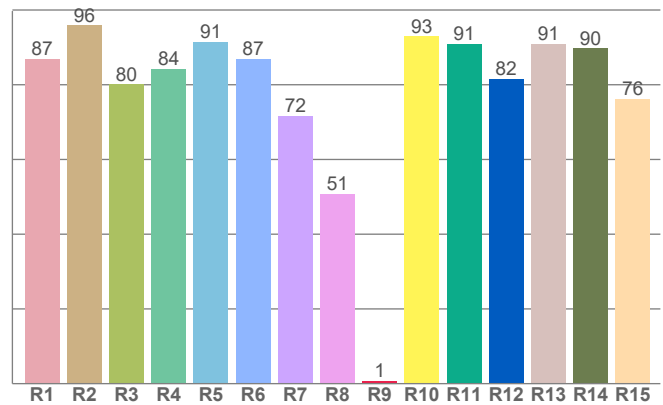
Colorimetry



TLCI: 51



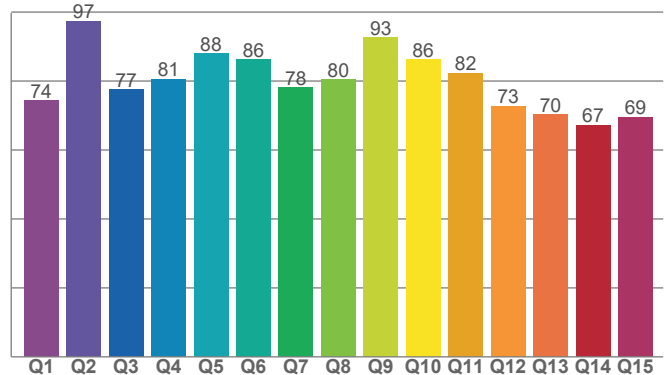
Color Rendering Index (CIE 1995) CRI: 81.0 (R1-R8)



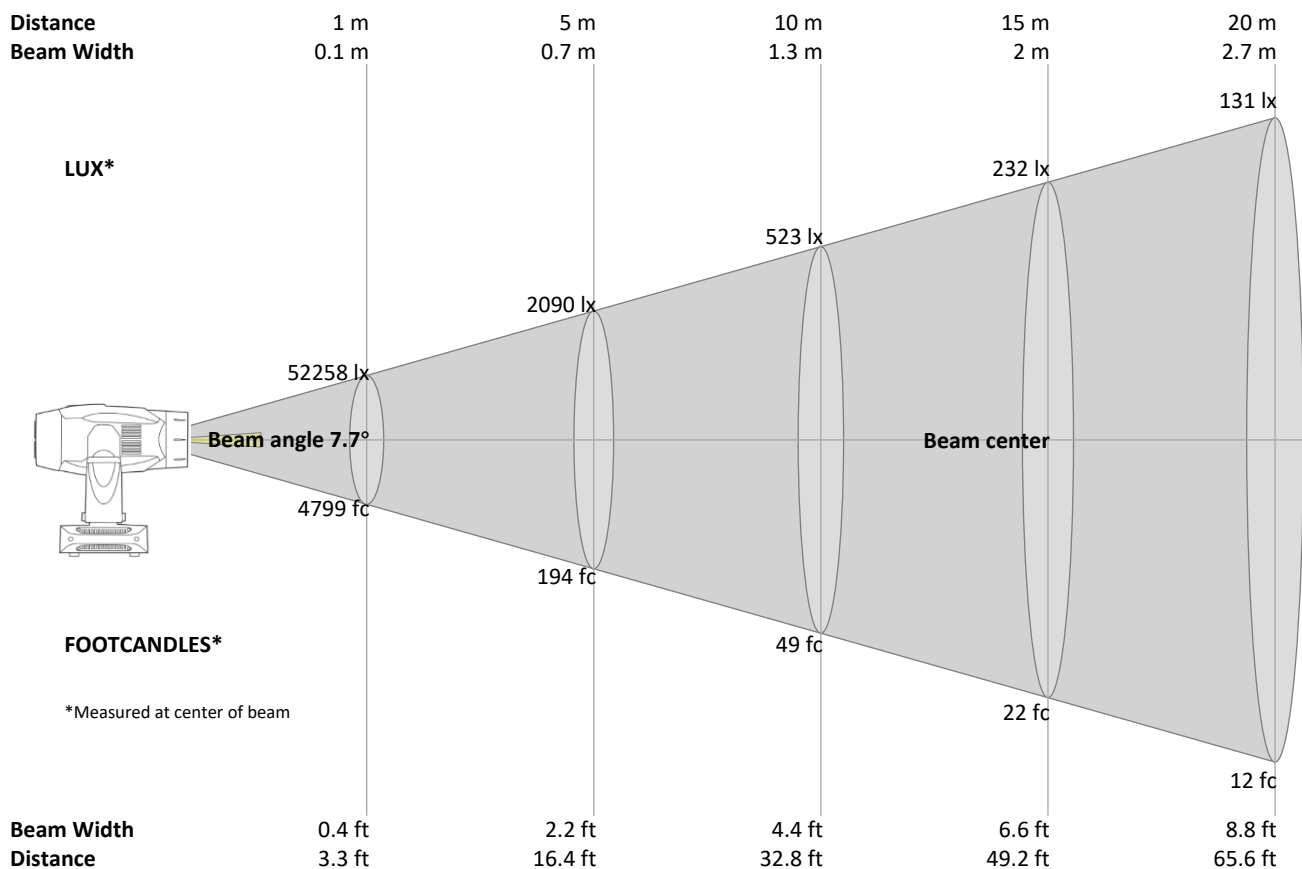
TLCI Qa values

Dark skin Q1 65.07	Light skin Q2 45.98	Blue sky Q3 84.02	Foliage Q4 98.84	Blue flower Q5 50.67	Bluish green Q6 45.16
Orange Q7 95.25	Purplish blue Q8 85.04	Moderate red Q9 77.81	Purple Q10 29.91	Yellow green Q11 73.33	Orange yellow Q12 95.82
Blue Q13 74.39	Green Q14 72.20	Red Q15 32.70	Yellow Q16 87.69	Magenta Q17 29.79	Cyan Q18 90.40

Color Quality Scale by reference color

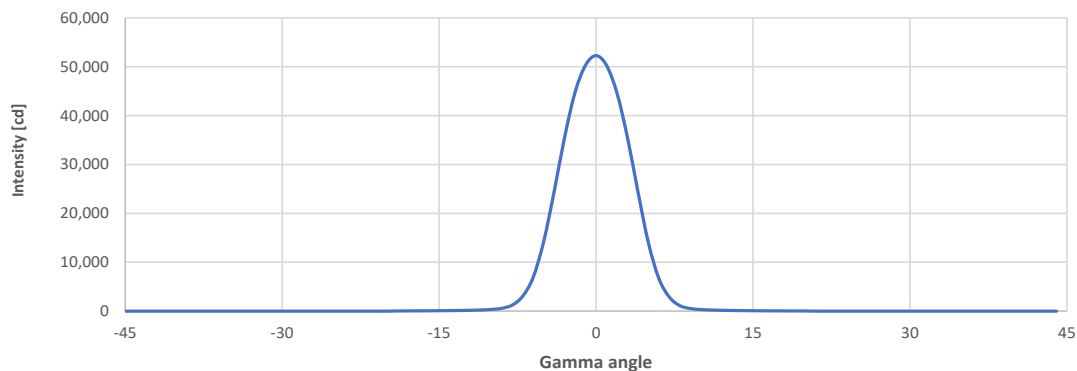


Beam Details



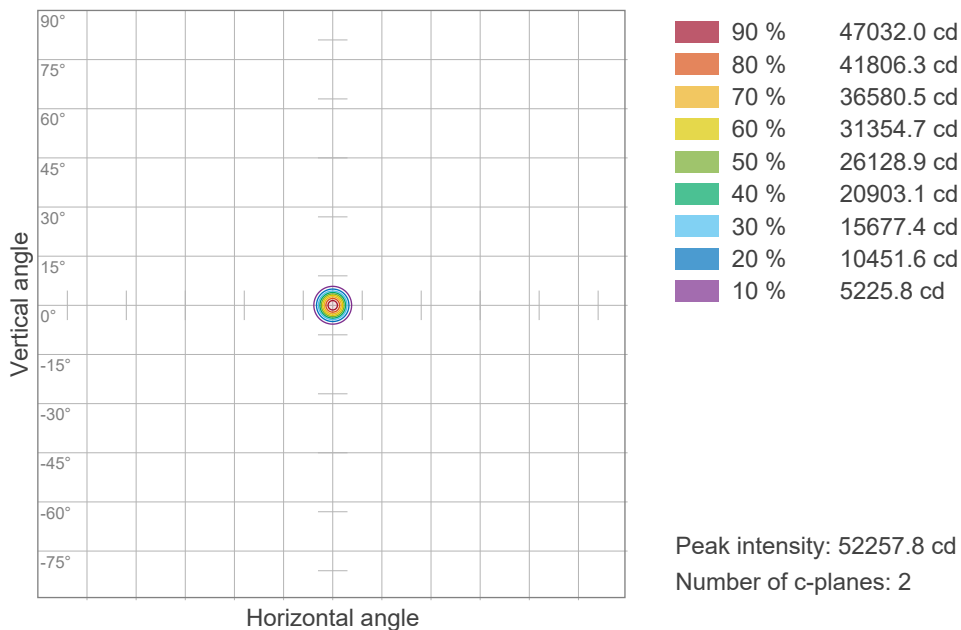
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
52258	13064	5806	3266	2090	1452	1066	817	645	523	432	363	309	267	232	204	181	161	145	131	lux
4854.9	1213.7	539.4	303.4	194.2	134.9	99.1	75.9	59.9	48.5	40.1	33.7	28.7	24.8	21.6	19	16.8	15	13.4	12.1	fc

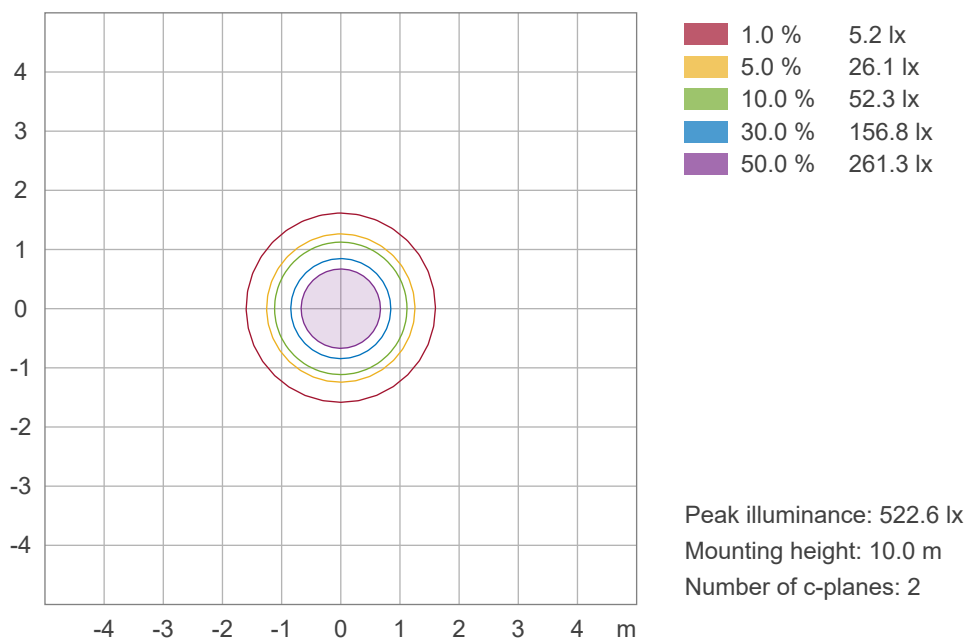


Beam angle 50%	7.70
Field angle 10%	12.70
Cutoff angle 2.5%	15.80

Iso-intensity Diagram (Iso-candela)



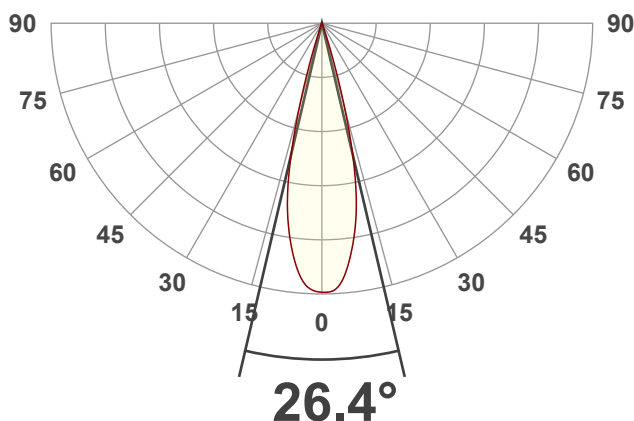
Iso-illuminance Diagram (Iso-lux)



Overview



Punchlite 220 Medium



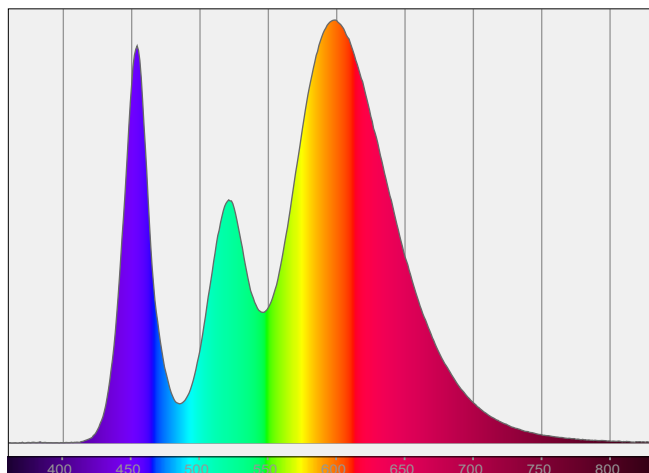
Output 1195 lm

Measurement details

Zoom DMX	128
Edge DMX	NA
Date	11/7/2023
Power	79.2 W
	220 V / 0.360 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-231107-0101-MS

Beam angles

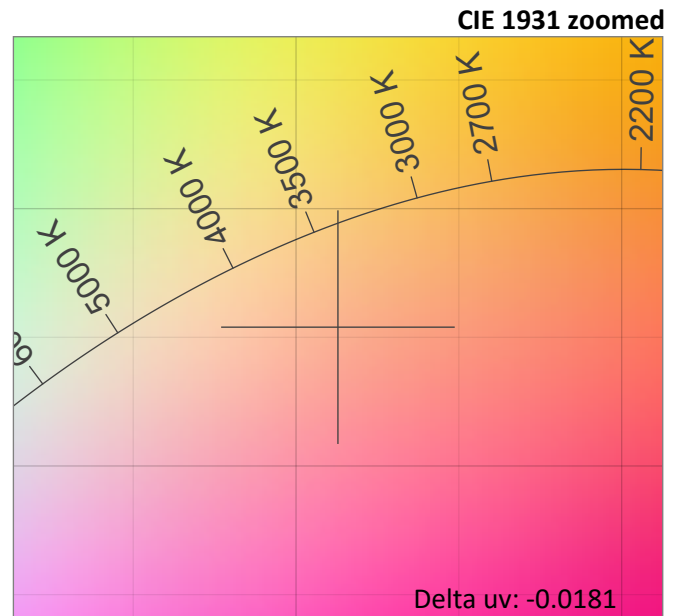
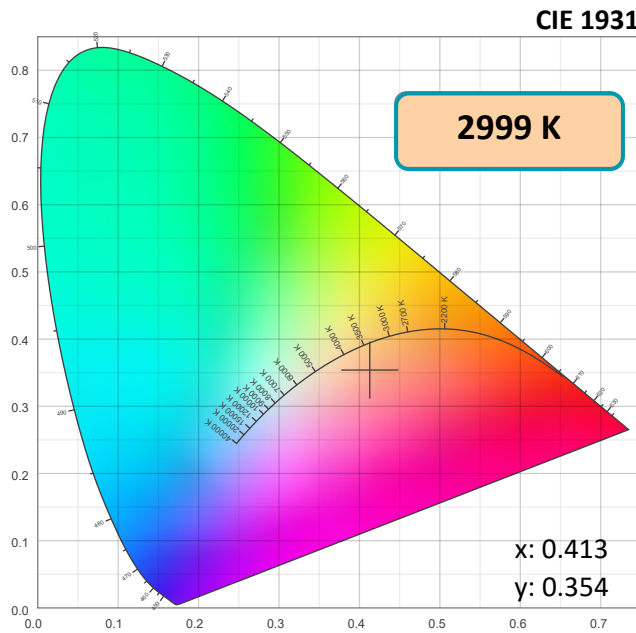
Beam angle (50%)	26.4°
Field Angle (10%)	35.4°
Cut-off Angle (2.5%)	39.2°



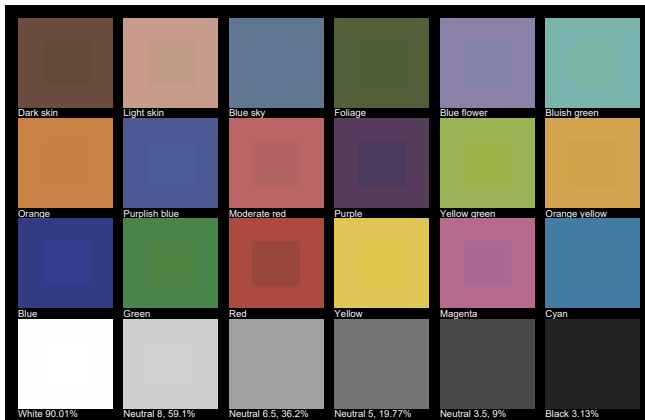
Color

2999 K
CRI: 80.6

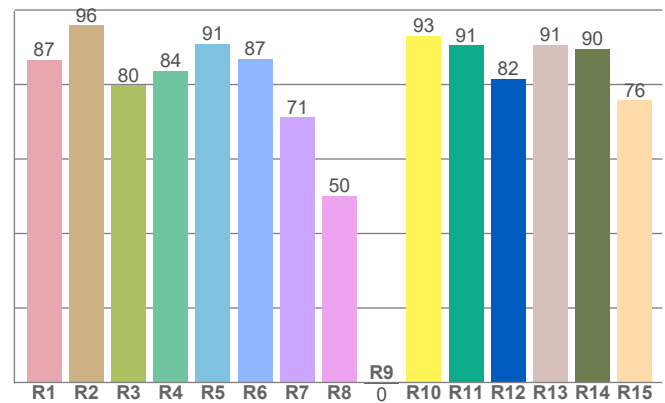
Colorimetry



TLCI: 51



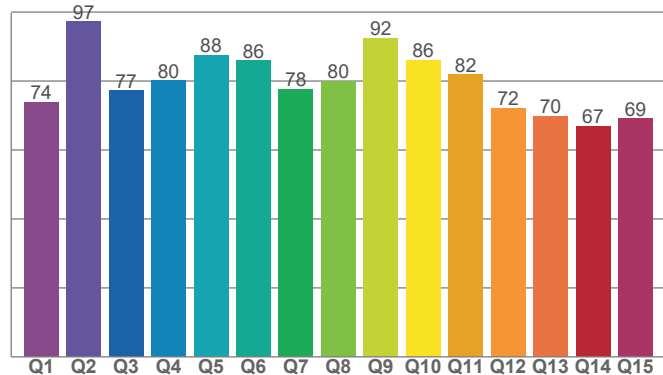
Color Rendering Index (CIE 1995) CRI: 80.6 (R1-R8)



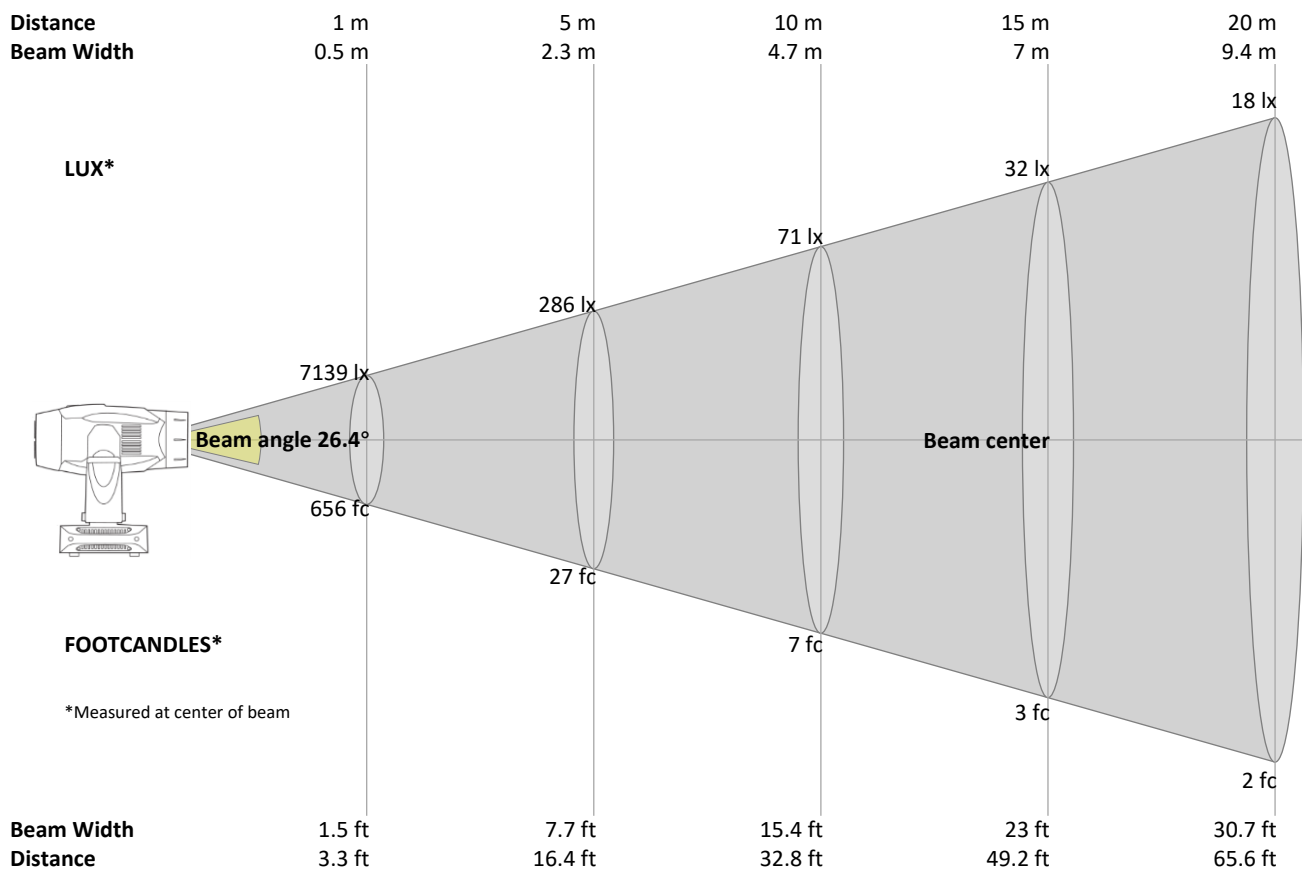
TLCI Qa values

Dark skin Q1 64.49	Light skin Q2 45.49	Blue sky Q3 83.53	Foliage Q4 98.81	Blue flower Q5 50.35	Bluish green Q6 44.93
Orange Q7 94.73	Purplish blue Q8 84.86	Moderate red Q9 77.41	Purple Q10 29.48	Yellow green Q11 72.71	Orange yellow Q12 95.65
Blue Q13 74.20	Green Q14 71.61	Red Q15 32.28	Yellow Q16 87.25	Magenta Q17 29.31	Cyan Q18 90.97

Color Quality Scale by reference color

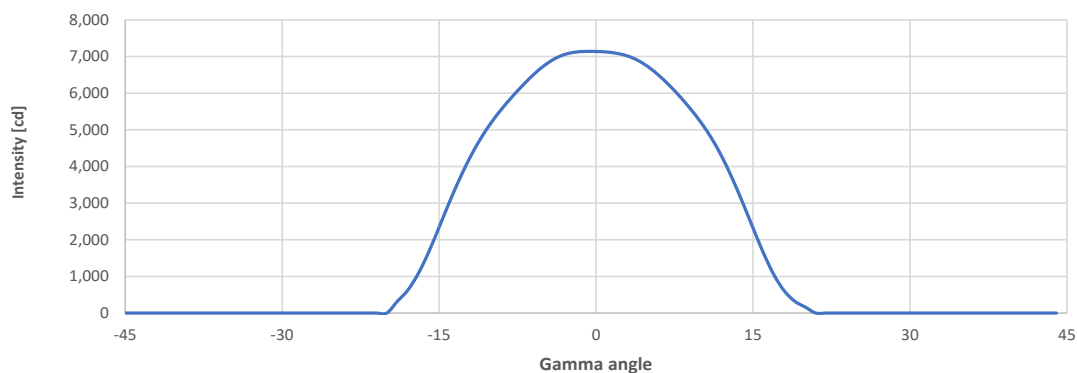


Beam Details



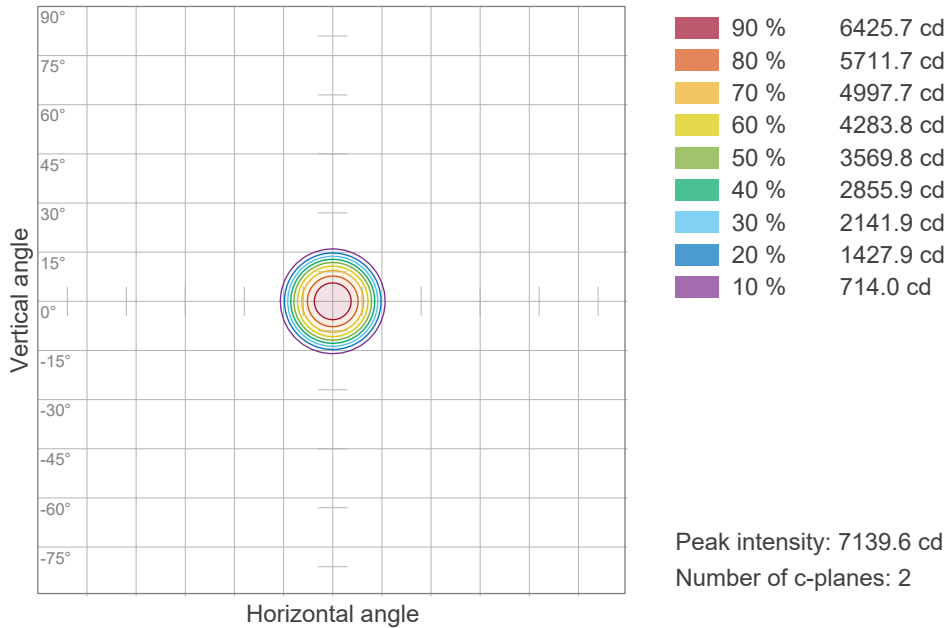
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
7139	1785	793	446	286	198	146	112	88	71	59	50	42	36	32	28	25	22	20	18	lux
663.2	165.8	73.7	41.5	26.5	18.4	13.5	10.4	8.2	6.6	5.5	4.6	3.9	3.4	2.9	2.6	2.3	2	1.8	1.7	fc

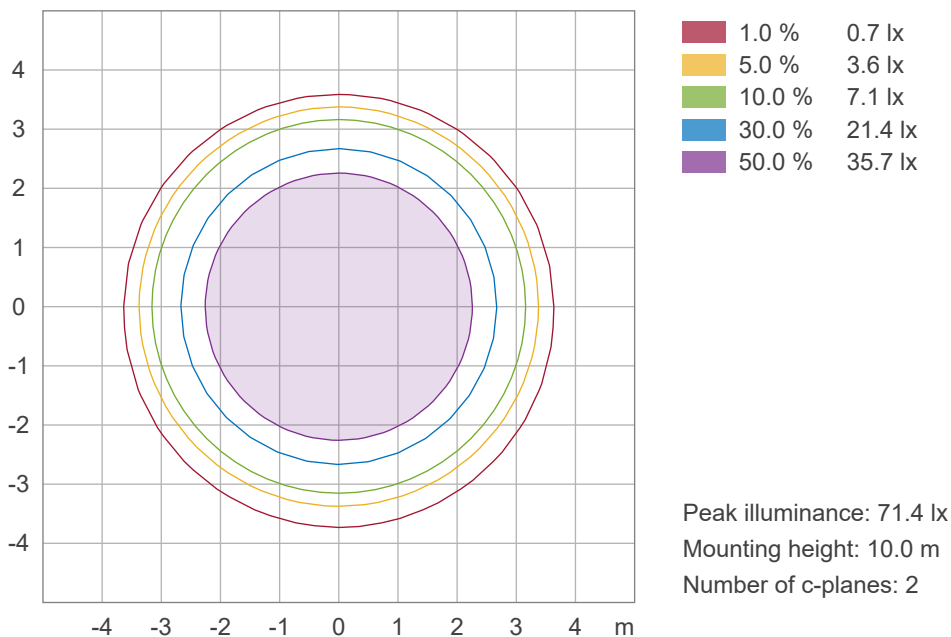


Beam angle 50%	26.40
Field angle 10%	35.40
Cutoff angle 2.5%	39.20

Iso-intensity Diagram (Iso-candela)



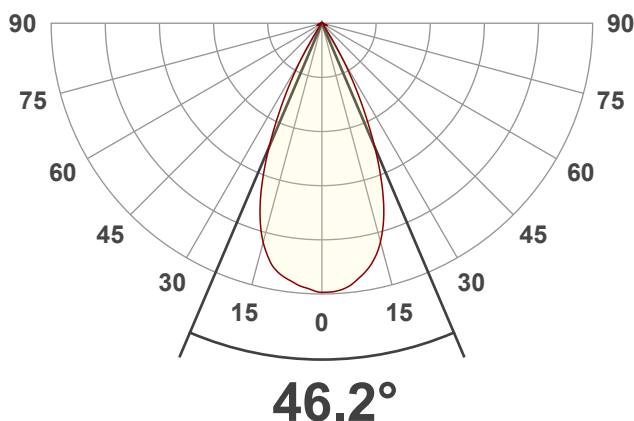
Iso-illuminance Diagram (Iso-lux)



Overview



Punchlite 220 Wide



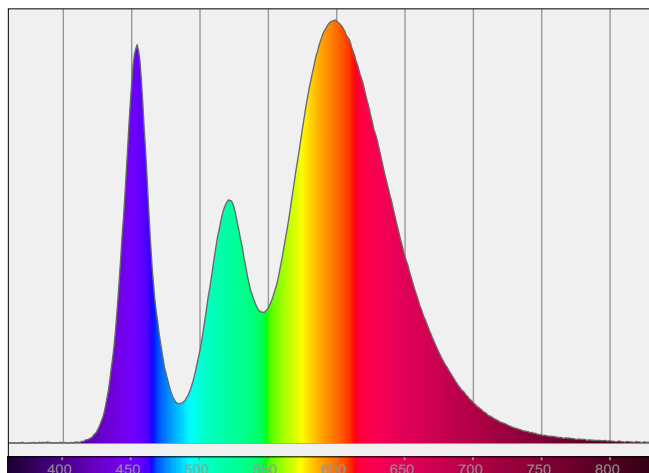
Output 1312 lm

Measurement details

Zoom DMX	255
Edge DMX	NA
Date	11/7/2023
Power	77.9 W
	220 V / 0.354 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-231107-0103-MS

Beam angles

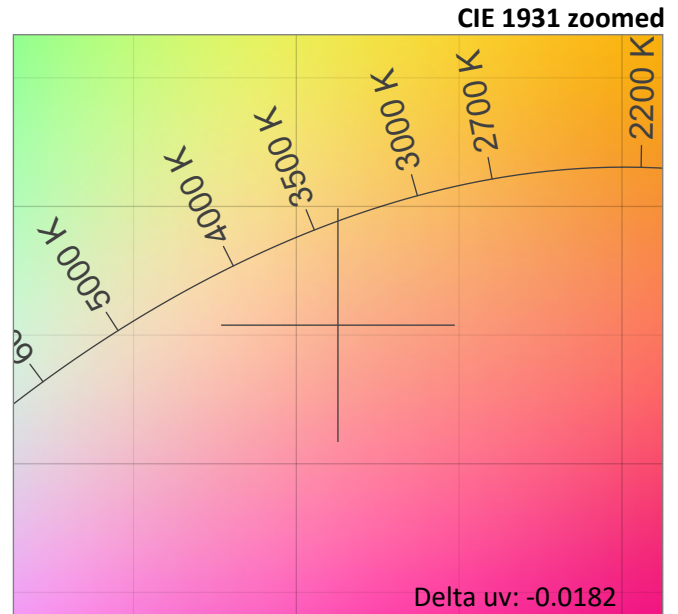
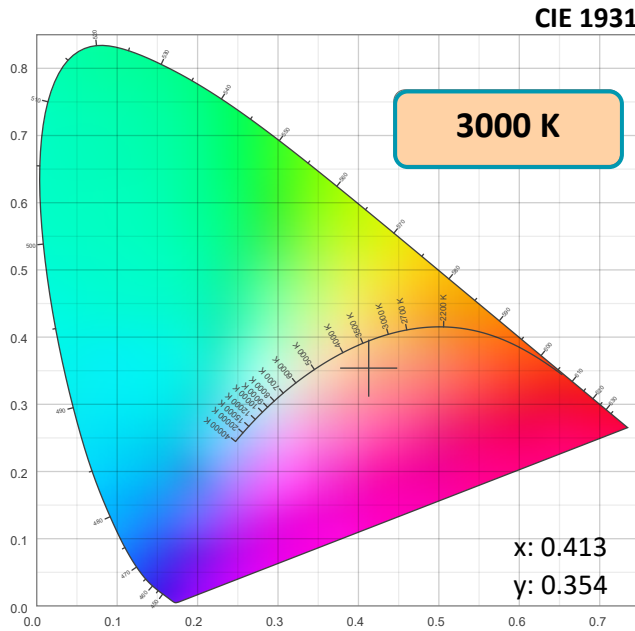
Beam angle (50%)	46.2°
Field Angle (10%)	62.9°
Cut-off Angle (2.5%)	69.3°



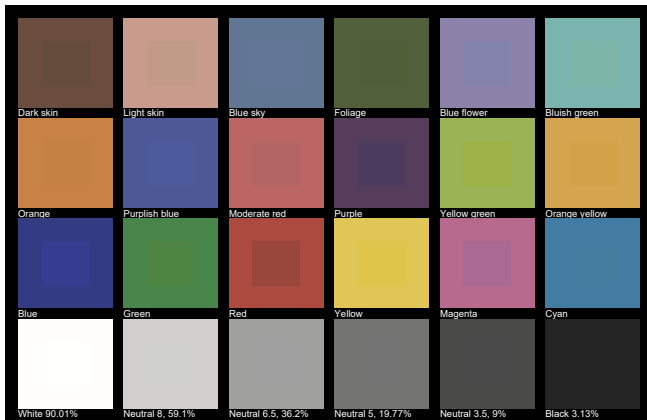
Color

3000 K
CRI: 80.6

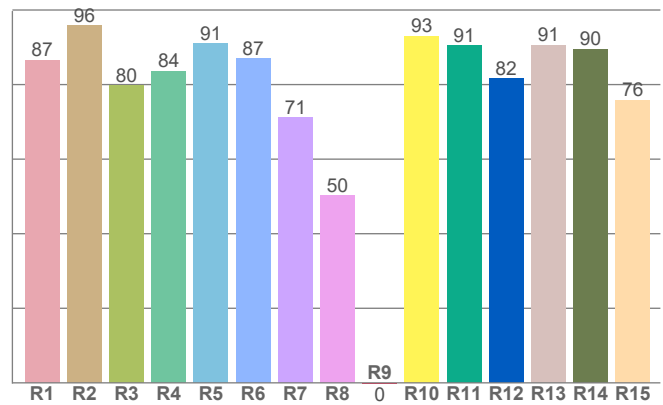
Colorimetry



TLCI: 51



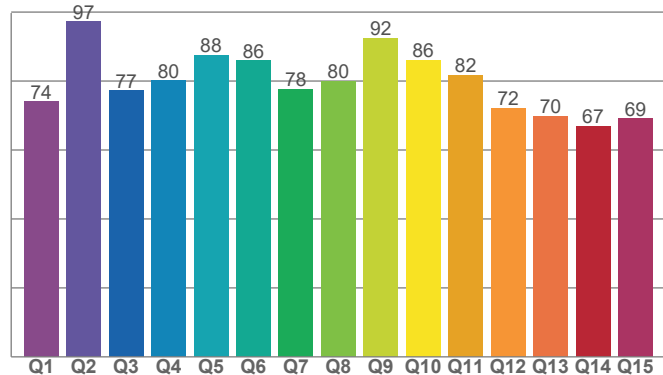
Color Rendering Index (CIE 1995) CRI: 80.6 (R1-R8)



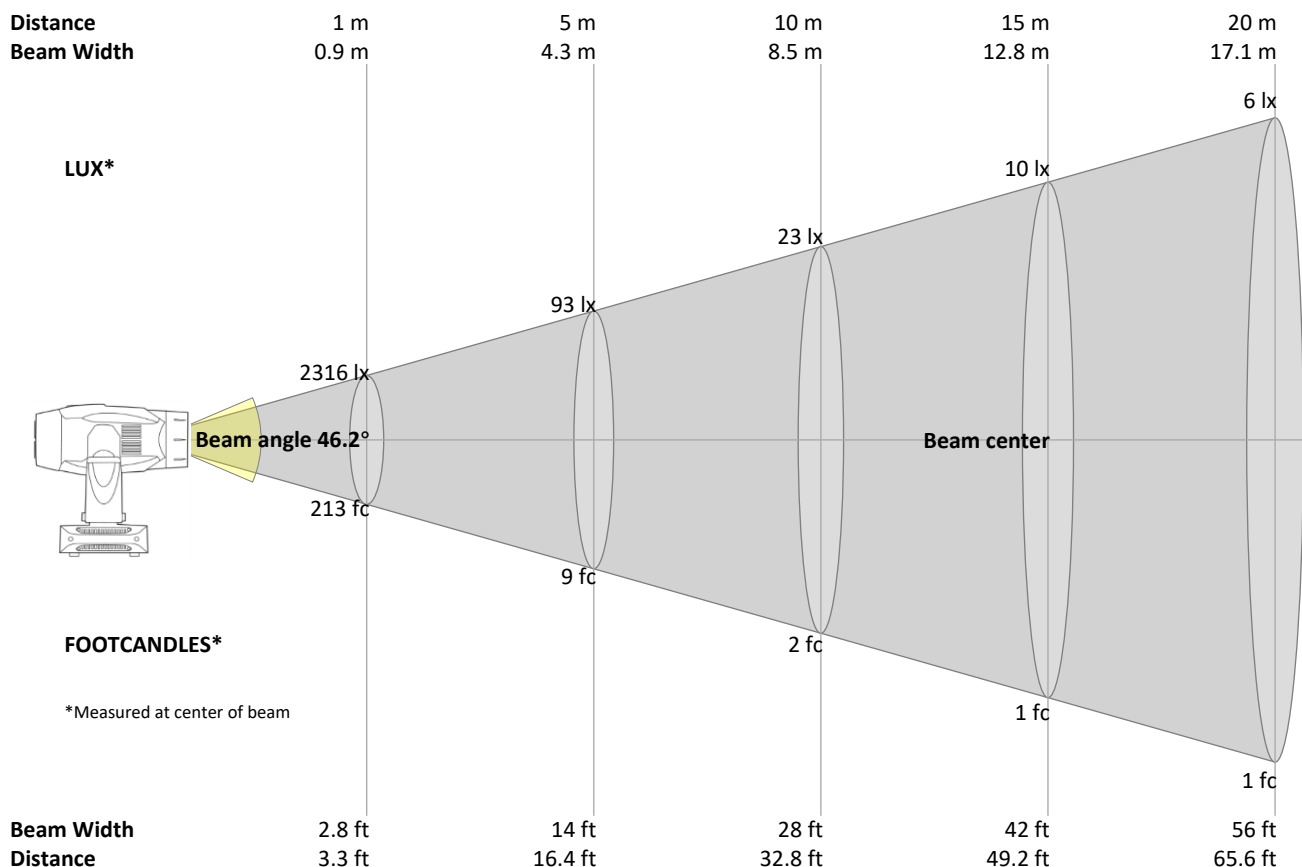
TLCI Qa values

Dark skin Q1 64.49	Light skin Q2 45.46	Blue sky Q3 83.53	Foliage Q4 98.81	Blue flower Q5 50.35	Bluish green Q6 44.90
Orange Q7 94.74	Purplish blue Q8 84.85	Moderate red Q9 77.45	Purple Q10 29.49	Yellow green Q11 72.71	Orange yellow Q12 95.65
Blue Q13 74.18	Green Q14 71.61	Red Q15 32.32	Yellow Q16 87.26	Magenta Q17 29.33	Cyan Q18 90.93

Color Quality Scale by reference color

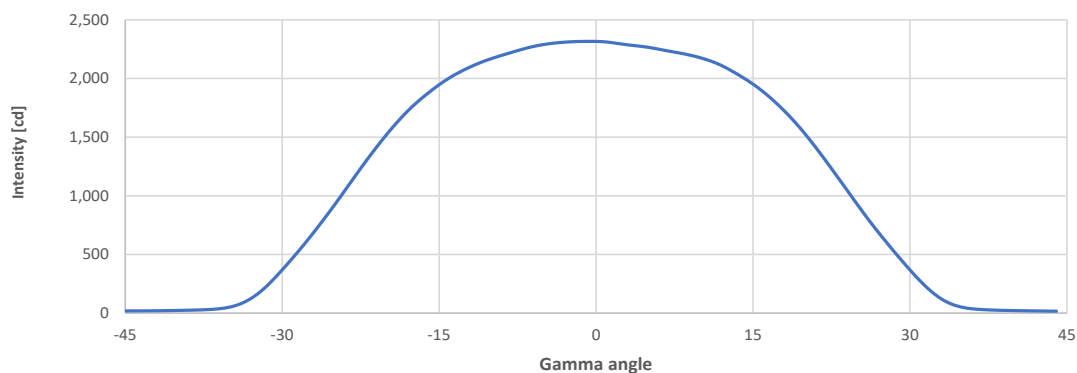


Beam Details



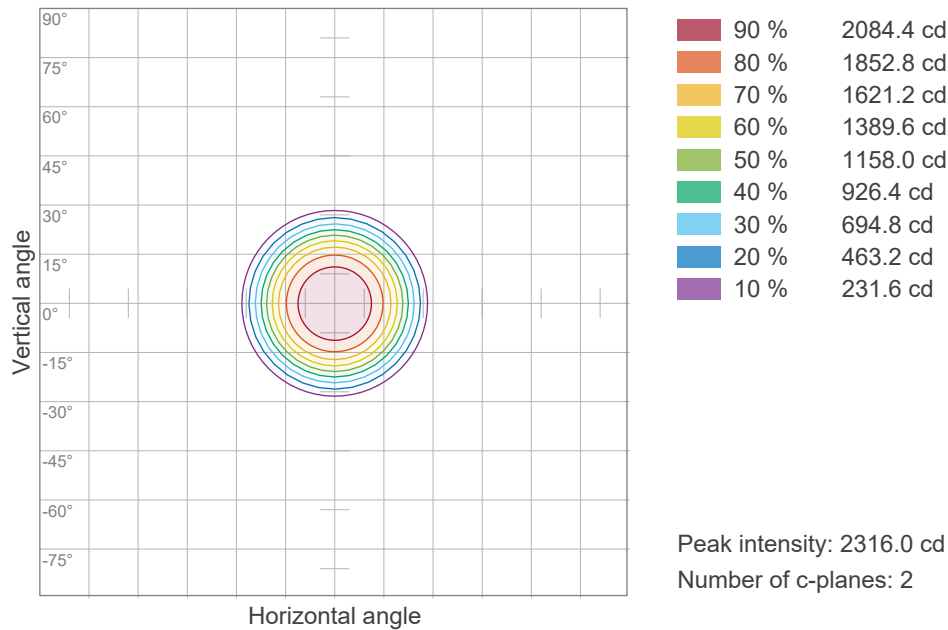
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
2316	579	257	145	93	64	47	36	29	23	19	16	14	12	10	9	8	7	6	6	lux
215.2	53.8	23.9	13.4	8.6	6	4.4	3.4	2.7	2.2	1.8	1.5	1.3	1.1	1	0.8	0.7	0.7	0.6	0.5	fc



Beam angle 50%	46.20
Field angle 10%	62.90
Cutoff angle 2.5%	69.30

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

