KL Par FC (Ovalizer Lens)

Prepared For ELATION PROFESSIONAL

Key Measurements

Output

Total Lumen Output: 6722 lm

Peak Intensity: 123825 cd

Beam

Beam Angle (50%): 12°

Field Angle (10%): 21°

Cutoff Angle (2.5%): 27°

Color

Color Temperature: 6406 K

CRI: 92.4

TLCI: 94

TM30 R_F: 89.6

TM30 R_g: 103.0

Power Details

Efficacy: 30 Lumen/Watt

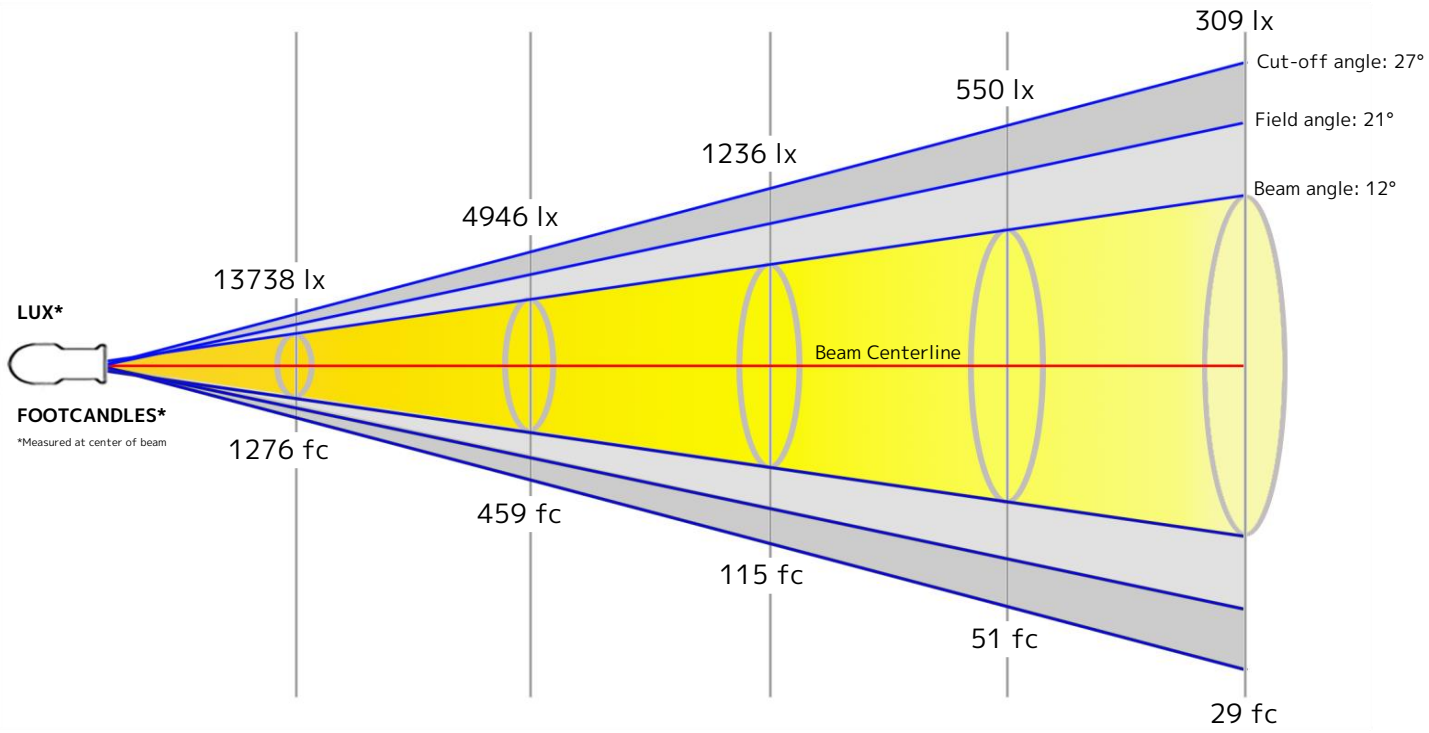
Power: 227.8 W

Supply Voltage: 116 V

Current: 1.98 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	0.6 m	1 m	2.1 m	3.1 m	4.2 m



Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	2.1 ft	3.4 ft	6.9 ft	10.3 ft	13.8 ft

Beam Intensities from 1-20m

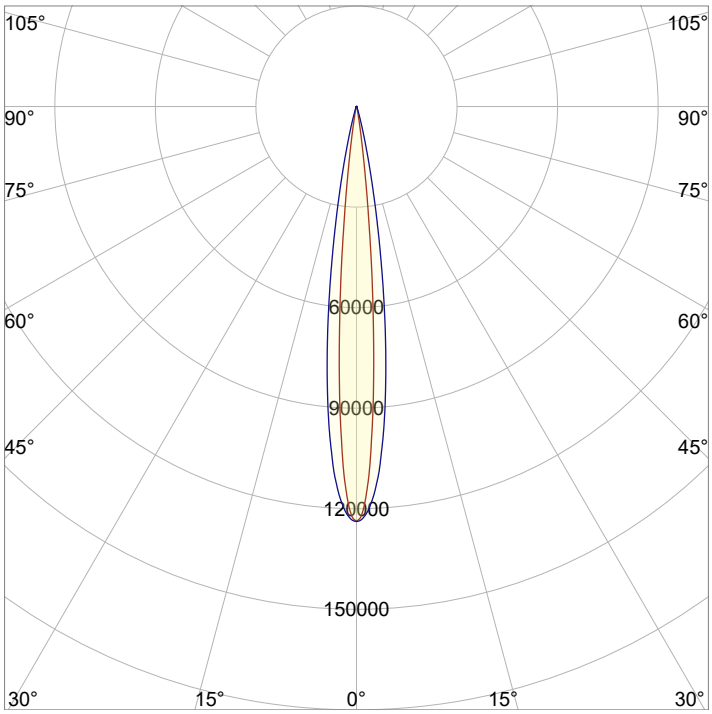
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	123638	30910	13738	7727	4946	3434	2523	1932	1526	1236	1022	859	732	631	550	483	428	382	342	309
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	11486.4	2871.6	1276.3	717.9	459.5	319.1	234.4	179.5	141.8	114.9	94.9	79.8	68	58.6	51.1	44.9	39.7	35.5	31.8	28.7

Measurement Date: 9/12/2023

KL Par FC (Ovalizer Lens)

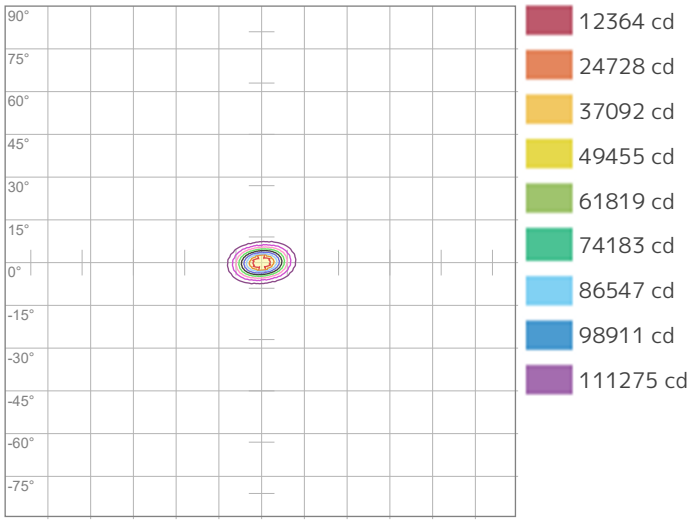
Prepared For ELATION PROFESSIONAL

Angular Distribution



Beam Angle - 50%
12°
Field Angle - 10%
21°
Cutoff Angle - 2.5%
27°

ISO Diagrams

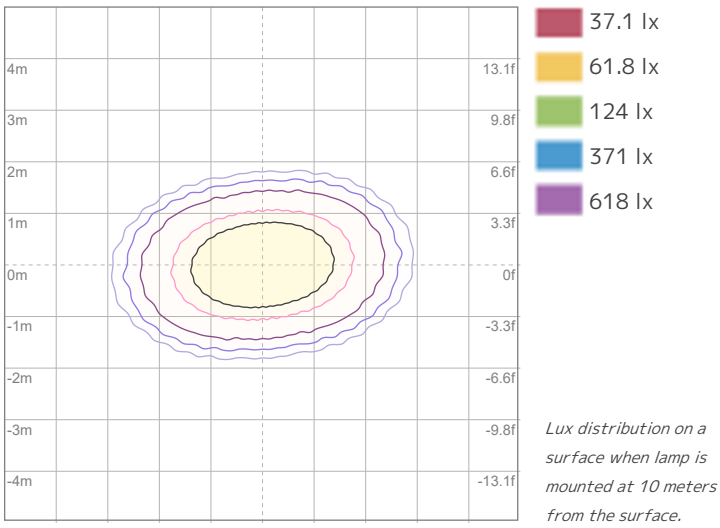


ISO Candela Diagram

Conditions:

Number of c-planes: 72

Candela at center: 123638 cd



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

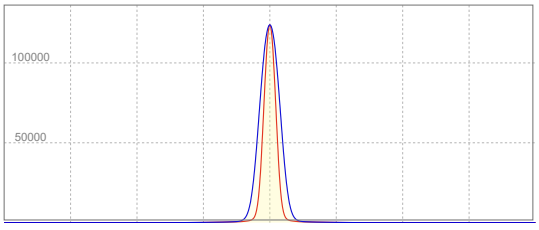
ISO LUX Diagram

Conditions:

Number of c-planes: 72

LUX at center: 1236 lx

Linear Distribution



Peak Candela

123825 cd

Calculate Center Beam Intensities

lux = 123825 / distance(m)^2

fc = 123825 / distance(ft)^2

Measurement Date: 9/12/2023