

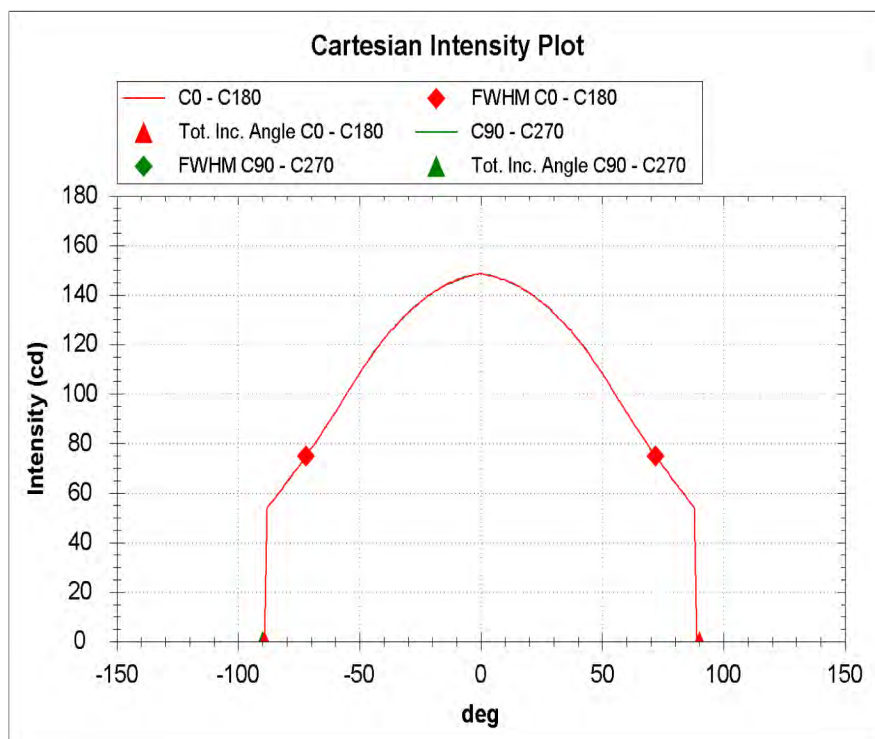
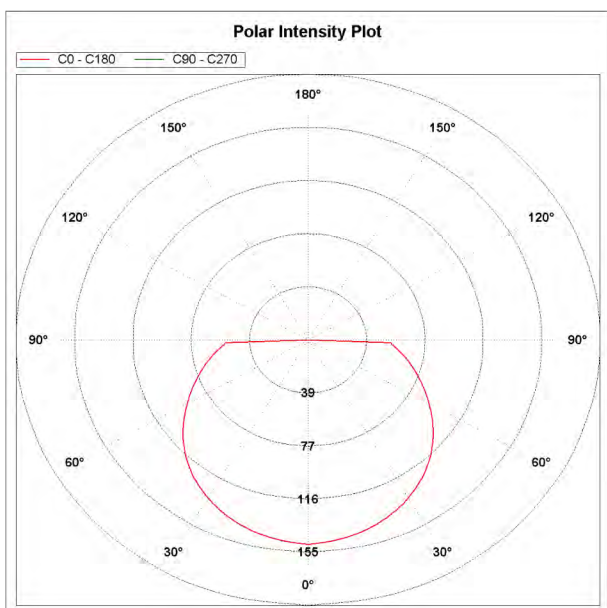
Via Monfalcone 41  
200092 Cinisello Balsamo (Milano) - Italy  
Tel. 0266013695 - Fax. +39 0266013500

**CODE NUMBER: 12000001180**

Goniophotometer Type	KLX12M	Operator	SIMONE BASSI
Power Supply Type	ISO TECH ISP3303	Date	31/10/2012
LED Driver Type	//		

Lamp Model	//	Nominal Flux (lm)	1000	Angle FWHM C Plane	144
Lens Model	PLJT1562	Total Flux (lm)	1000	Angle FWHM $\gamma$ Plane	144
LED Model	XICATO XSM 8027-1000	Imax (cd)	149		
N. LED	1	Max Ill.@ Meas. Dist. (lux)	6	Total Incl. Angle C Plane	179
Rated Voltage (V)	//	Measurement Distance (m)	5	Total Incl. Angle $\gamma$ Plane	180
LED Drive Current (mA)	700	Room Temperature (°C)	25		

Notes:  
General Optical Measurement Tolerance: +/-10%



## Polar Intensity Plot

— C0 - C180    — C90 - C270

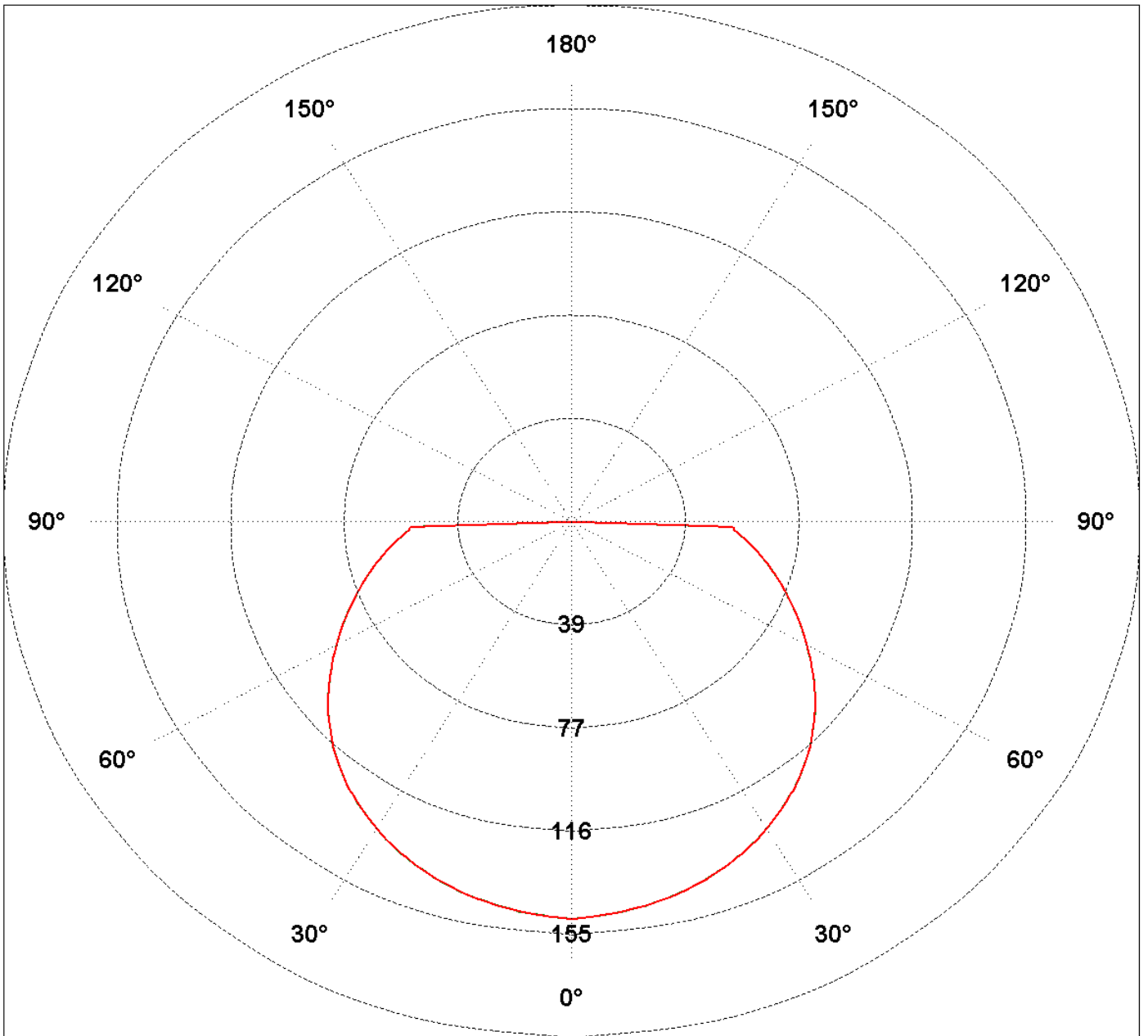


Figure C0-C180

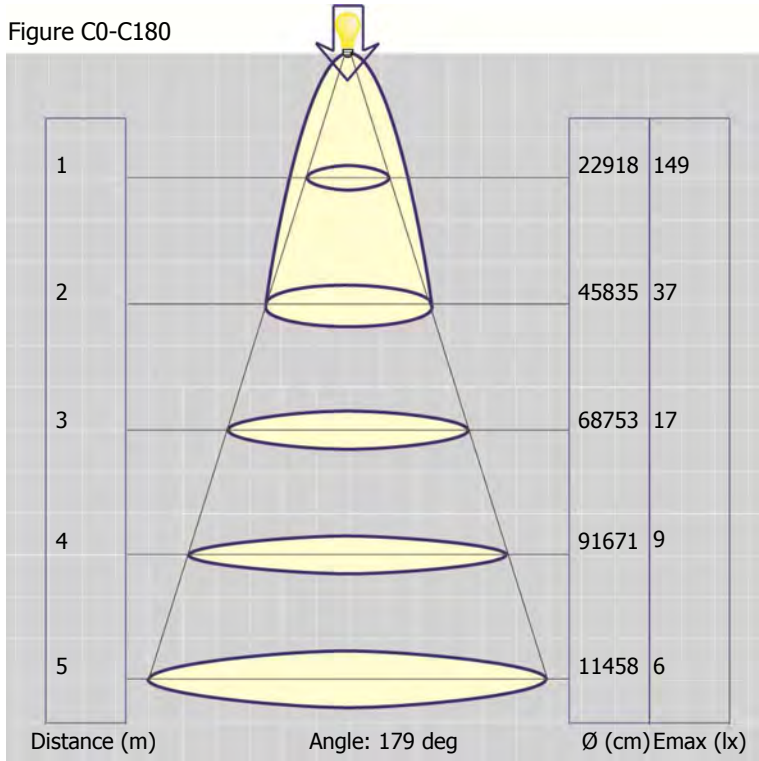
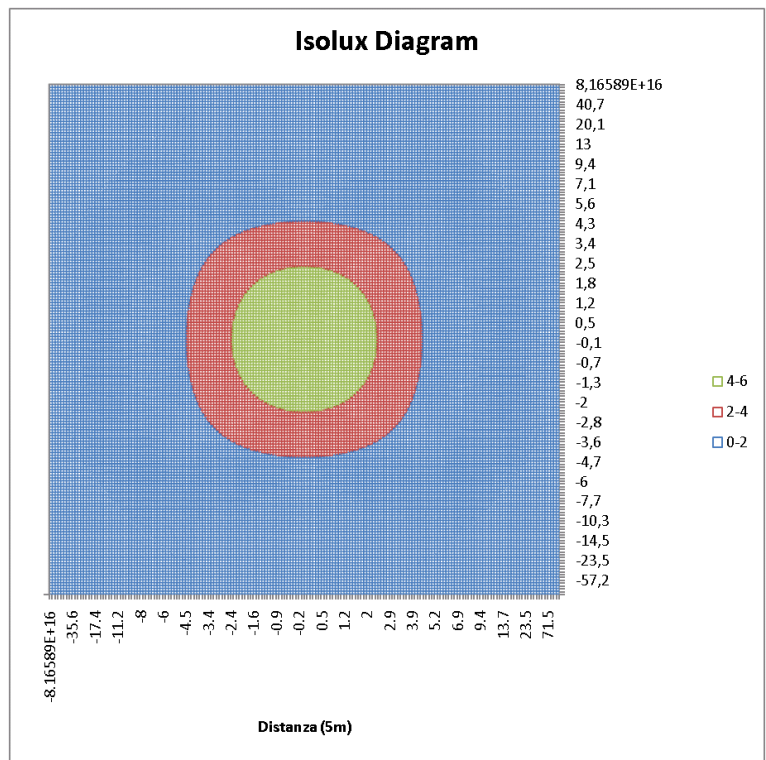
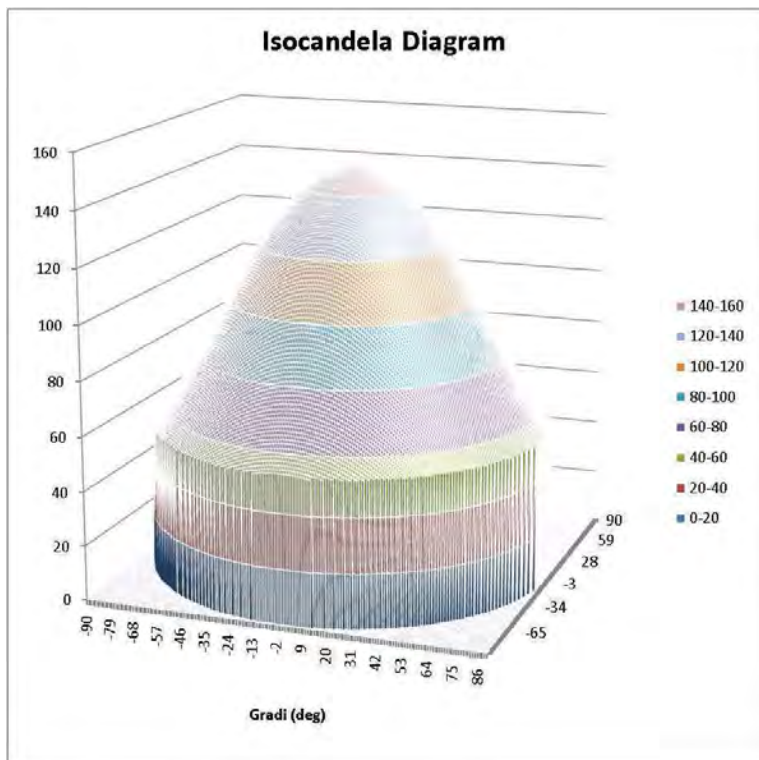
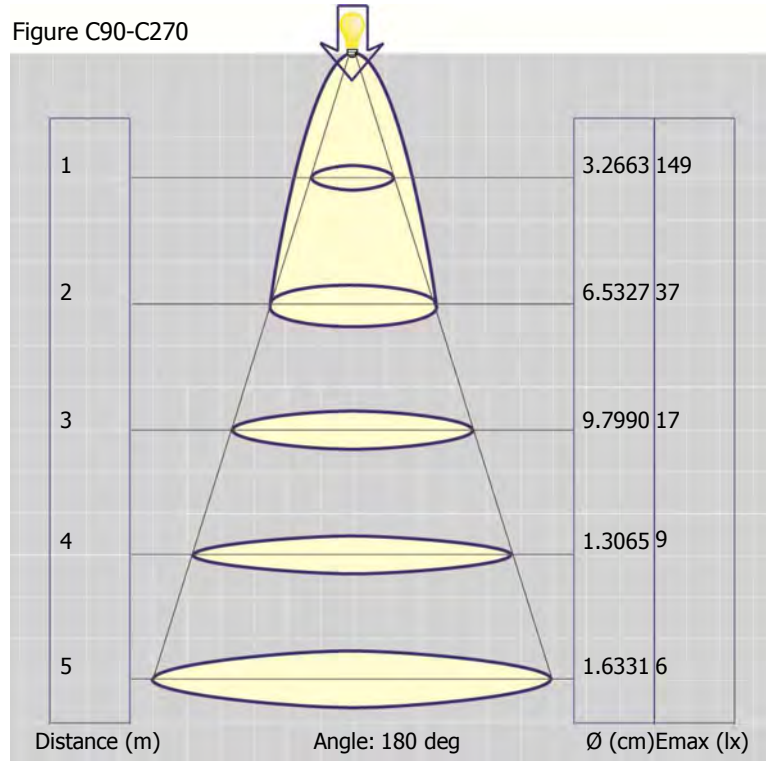
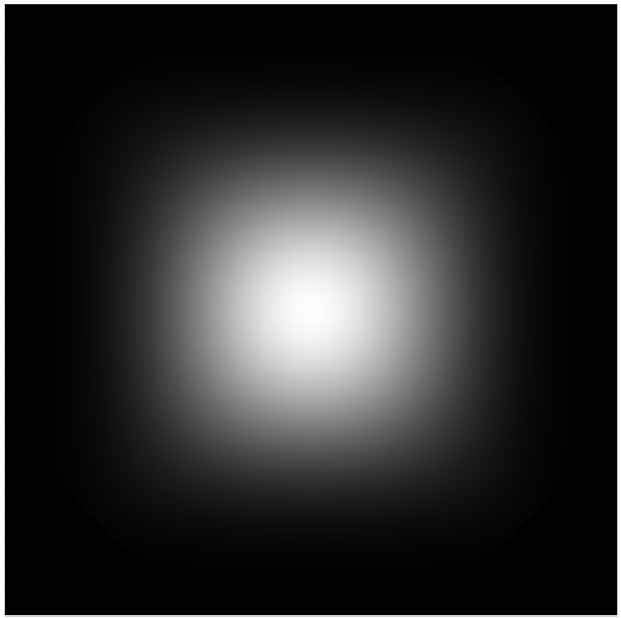


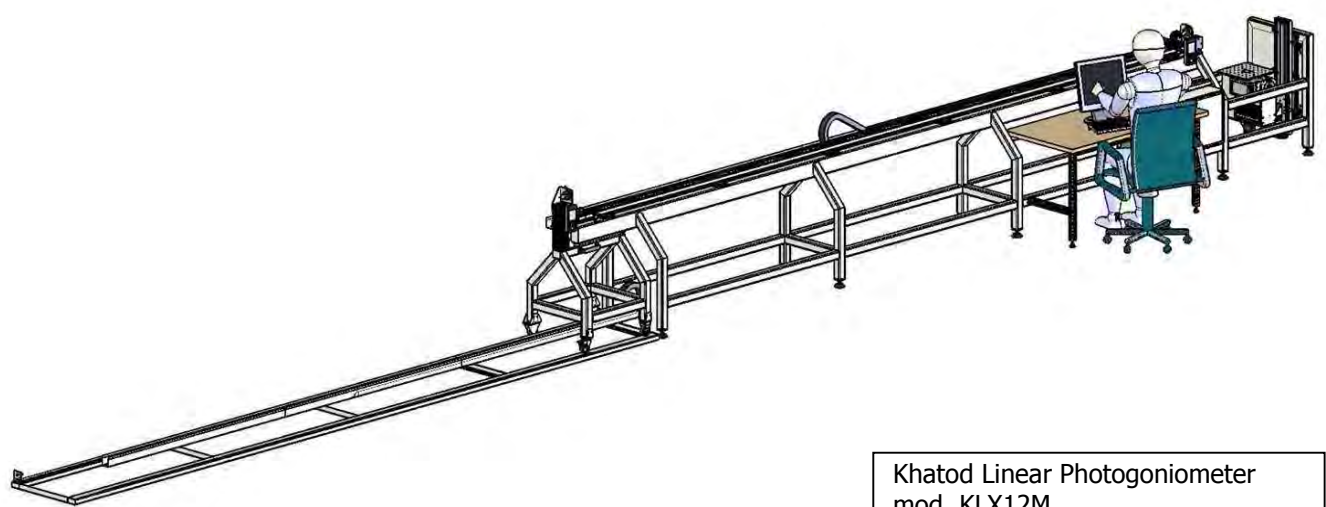
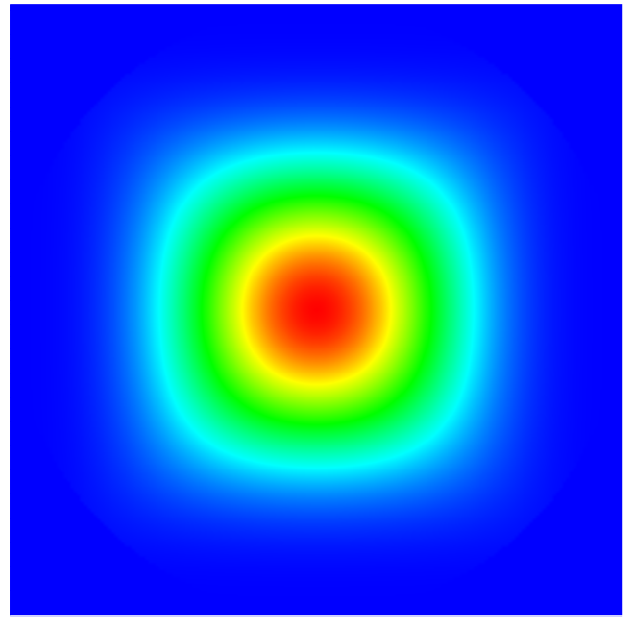
Figure C90-C270



Gray Scale Illuminance @ 5m Distance



False Colours Illuminance @ 5m Distance



Khatod Linear Photogoniometer  
mod. KLX12M



## Luminous Distribution Intensity Data

CODE NUMBER: 120000001180

C (deg) γ (deg)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°
0°	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149
5°	147	147	148	147	147	147	147	147	147	148	148	147	147	147	148	148	148	148	148	147
10°	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146
15°	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
20°	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
25°	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
30°	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
35°	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
40°	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
45°	115	116	115	115	116	115	115	115	115	115	115	116	116	115	116	116	116	116	115	115
50°	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
55°	101	100	100	100	100	100	100	100	100	101	100	100	100	100	100	100	100	100	100	100
60°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
65°	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	84.9	85
70°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.7
75°	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
80°	64.2	64.3	64.3	64.2	64.3	64.3	64.3	64.2	64.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.2	64.3
85°	57.8	57.7	57.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.7	57.8	57.8	57.8	57.7	57.7	57.7	57.8	57.8
90°	0	0	0	0	0.45	0.45	0	0	0	0	0	0	0	0.45	0.45	0	0	0	0	0

200°	210°	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°	330°	340°	350°
149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149
147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146
144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
115	115	116	115	115	115	115	116	116	115	115	115	116	115	116	116
108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
100	100	100	100	100	100	100	101	101	100	100	100	100	100	100	100
92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.5	92.5
85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
64.3	64.3	64.3	64.2	64.3	64.3	64.2	64.3	64.2	64.2	64.2	64.3	64.3	64.3	64.2	64.3
57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.7	57.8	57.8	57.8	57.7	57.7	57.7
0	0	0.45	0.45	0	0	0	0	0	0	0	0.45	0.45	0	0	0

## Lens characteristics

Parameter	Symbol	Rating	Unit
Lens Material	PC Optics	--	--
Holder Material	--	--	--
Operating Temperature	Topr	-40 to +120	°C
Storage Temperature	Tstg	-40 to +120	°C

## Notes:

Please note that flow lines and weld lines on the external surfaces of the lenses are acceptable if the optical performance of the lens is within the specification described in the section “OPTICAL CHARACTERISTICS”

- Should you require further information, please contact Khatod for advice.
- All lens testing must be subject to identical conditions as Khatod test condition.
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## **KHATOD LENS Use And Maintenance**

- DO NOT HANDLE OR INSTALL LENSES WITHOUT WEARING GLOVES, SKIN OILS MAY DAMAGE LENS OR LIGHT TRANSMISSION
- CLEAN LENSES WITH MILD SOAP AND WATER AND A SOFT CLOTH
- DO NOT USE ANY COMMERCIAL CLEANING SOLVENTS ON LENSES

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