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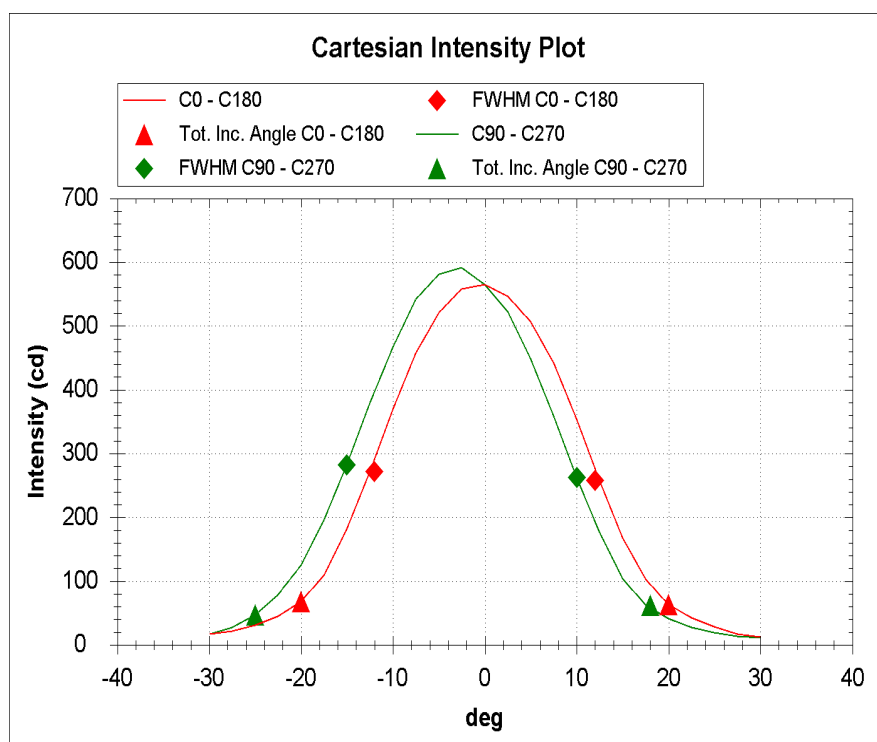
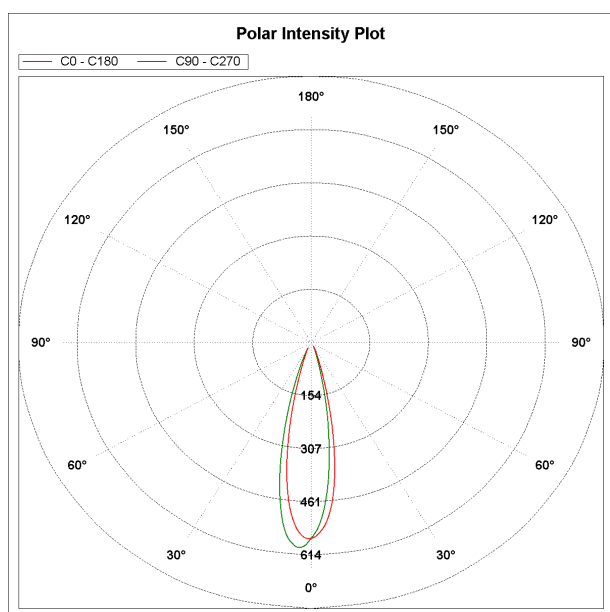
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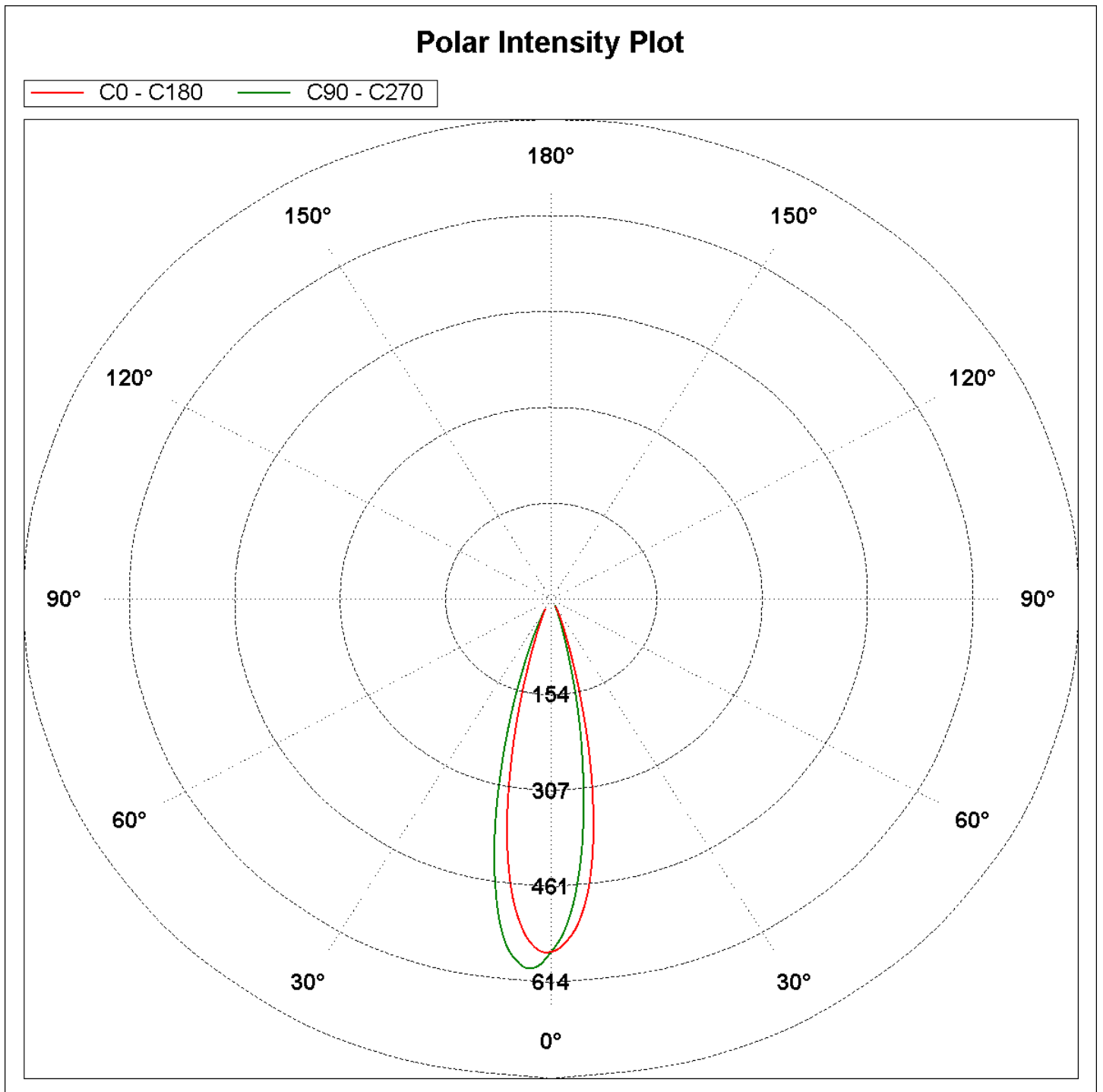
Goniophotometer Type	KLX12M	Operator	SIMONE BASSI
Power Supply Type	ISO TECH ISP3303	Date	29/03/2011
LED Driver Type	////		

Lamp Model	////	Nominal Flux (lm)	105	Angle FWHM C Plane	24
Lens Model	PL353C25TL	Total Flux (lm)	315	Angle FWHM γ Plane	25
LED Model	SEOUL P5 II	Imax (cd)	591		
N. LED	3	Max Ill. @ Meas. Dist. (lux)	23.6	Total Incl. Angle C Plane	40
Rated Voltage (V)	10	Measurement Distance (m)	5	Total Incl. Angle γ Plane	43
LED Drive Current (mA)	1050	Room Temperature (°C)	25		

Notes:

General Optical Measurement Tolerance: +/-10%





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Figure C0-C180

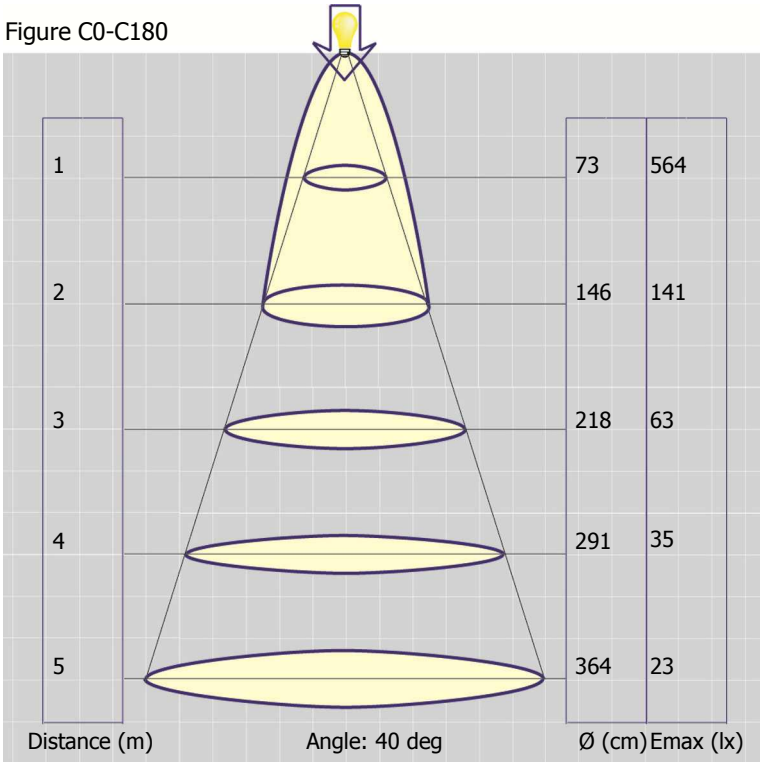
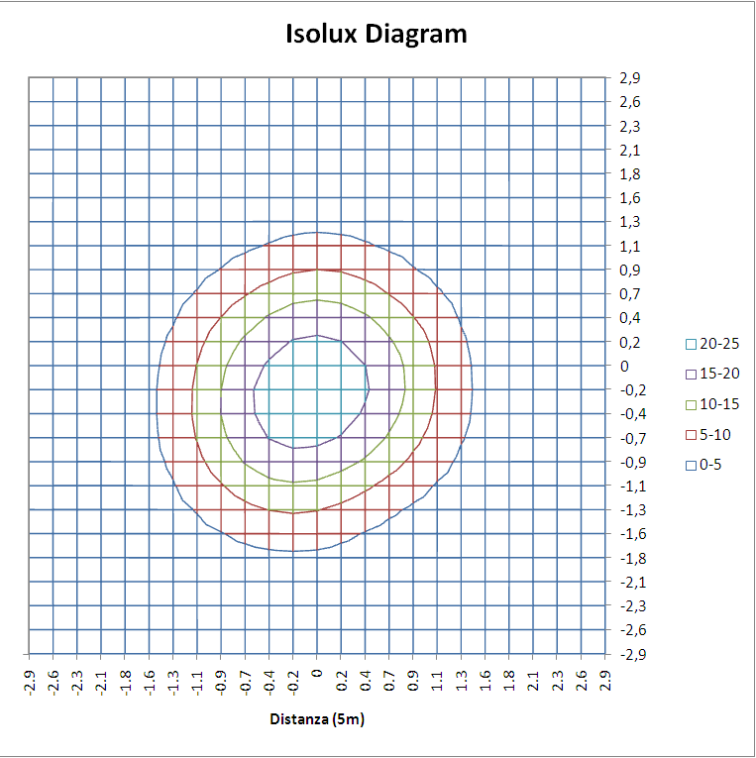
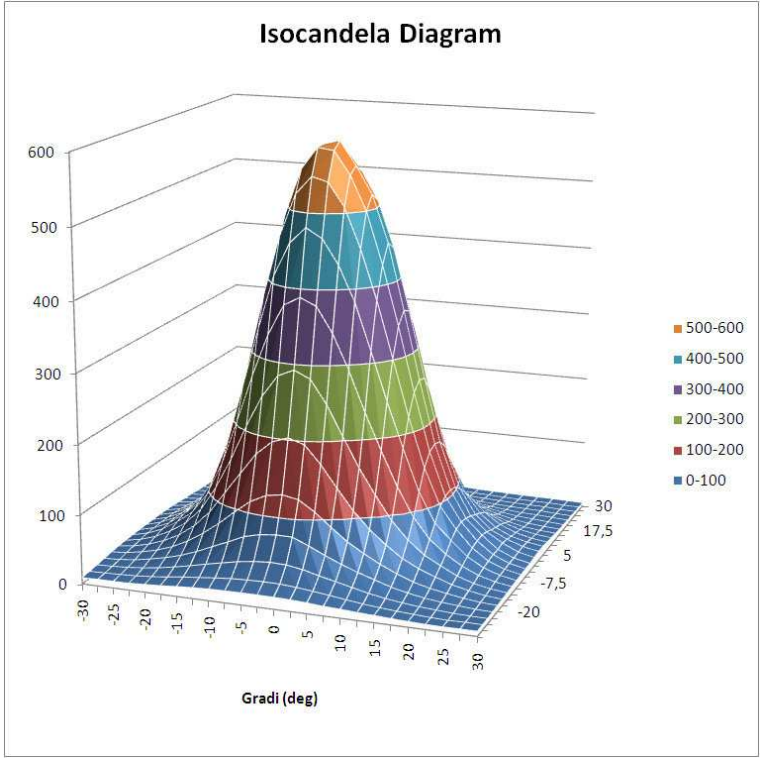
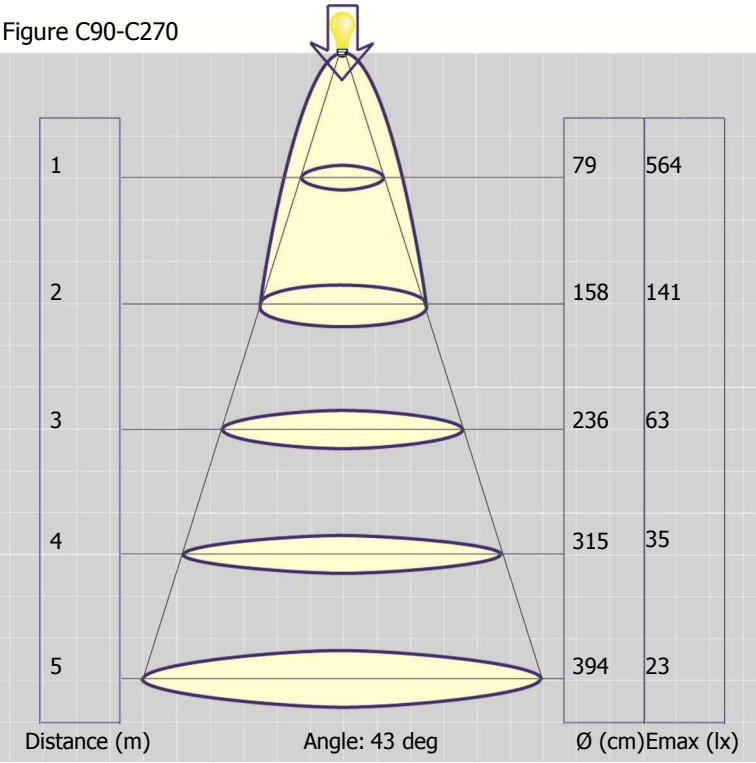
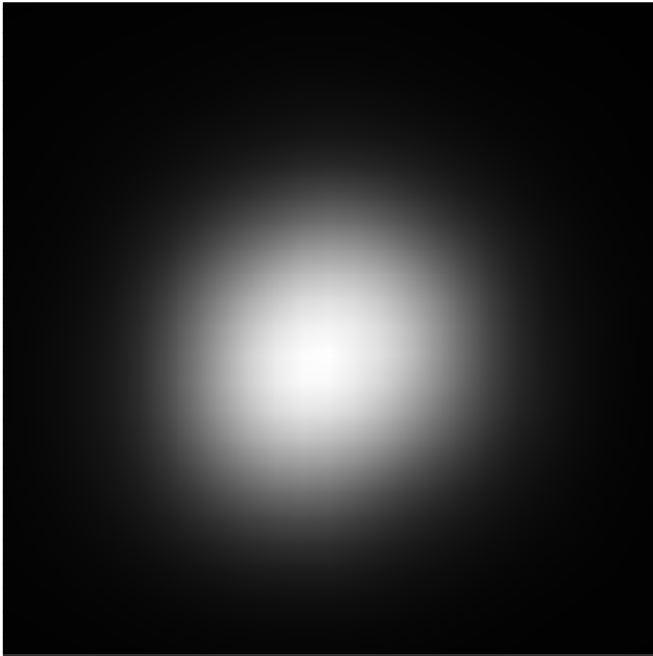


Figure C90-C270

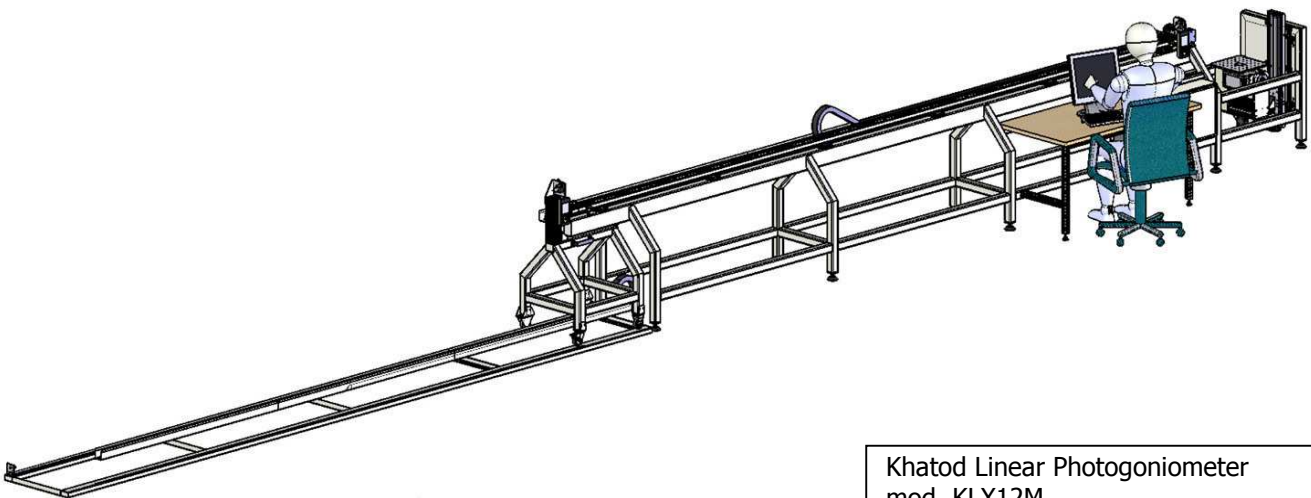
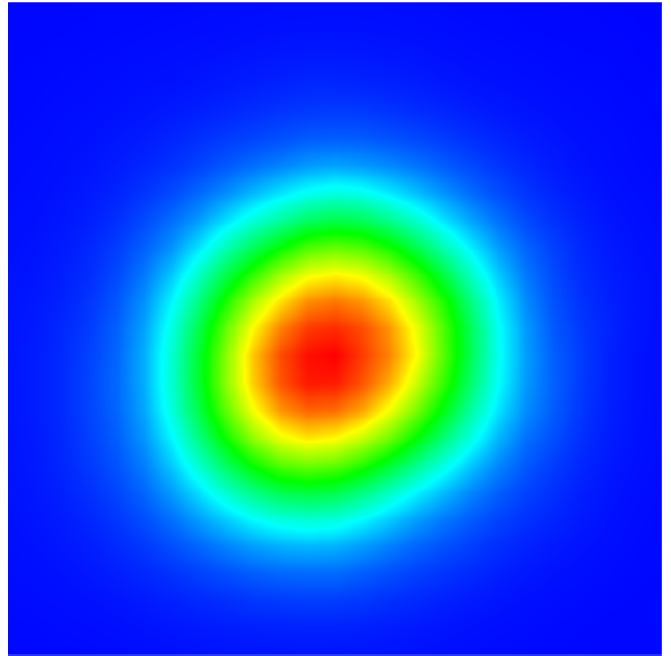


CODE NUMBER: 110000000167

Gray Scale Illuminance @ 5m Distance



False Colours Illuminance @ 5m Distance



Khatod Linear Photogoniometer
mod. KLX12M

Luminous Distribution Intensity Data

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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°	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565
5°	507	493	483	475	464	457	454	448	447	449	447	449	456	458	465	477	488	502	520	533
10°	353	338	322	307	290	277	271	264	261	262	258	258	261	270	284	302	321	343	370	391
15°	168	160	152	141	128	119	112	109	104	104	104	105	108	116	124	136	151	165	181	203
20°	63	59.3	58.9	52.7	48.3	44.9	42.2	40.9	40.5	40.8	40.6	40.1	41.8	42.5	46.5	52.8	57.5	61.4	68	78.4
25°	28	24.8	24.1	21.4	20.4	18.7	17	17.5	18.1	18.8	19.4	18.6	18.3	19.8	21	22	24	26.2	30.8	36
30°	12.3	13.5	11.9	10.7	10.7	9.76	9.22	9.64	10.4	10.8	10.7	10.4	10.7	11.6	12.3	12.7	13.6	15.6	17	18.3
35°	0	0	0	0	7.23	6.6	0	0	0	0	0	0	0	8.53	8.96	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

200°	210°	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°	330°	340°	350°
565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565
547	561	568	575	584	583	582	581	570	560	551	540	533	529	520	512
418	447	468	484	493	489	481	468	448	432	420	408	396	388	375	363
231	263	289	307	317	315	301	282	255	235	222	218	215	207	196	179
94.1	110	130	144	149	148	136	125	109	96.6	88.3	86.3	86.1	83.1	82.3	72.3
43.7	50.8	56.1	60.1	59.3	56.1	50.9	46.8	42	38.5	36.8	35.8	36.8	35.7	33.5	29.1
21.1	24.9	26.6	26.1	24.5	21.9	19	17	16.5	15.7	15	15.4	16.6	15.1	13.9	12.2
0	0	14.9	13.2	0	0	0	0	0	0	0	8.3	8.98	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Lens characteristics

Parameter	Symbol	Rating	Unit
Lens Material	PMMA Optics	--	--
Holder Material	--	--	--
Operating Temperature	Topr	-30 to +80	°C
Storage Temperature	Tstg	-30 to +80	°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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