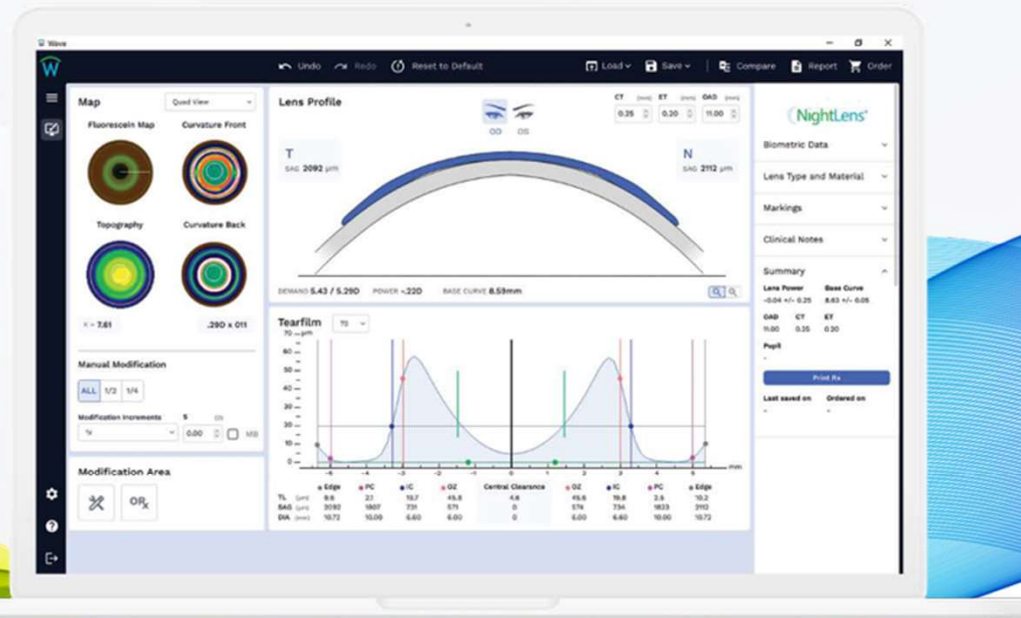
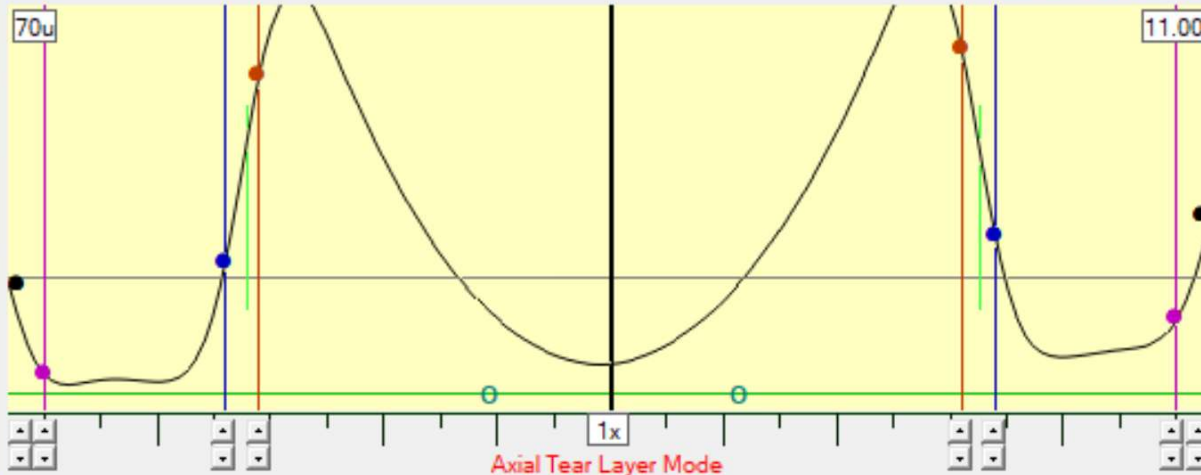


Highlights of the NEW WAVE software version 9.60

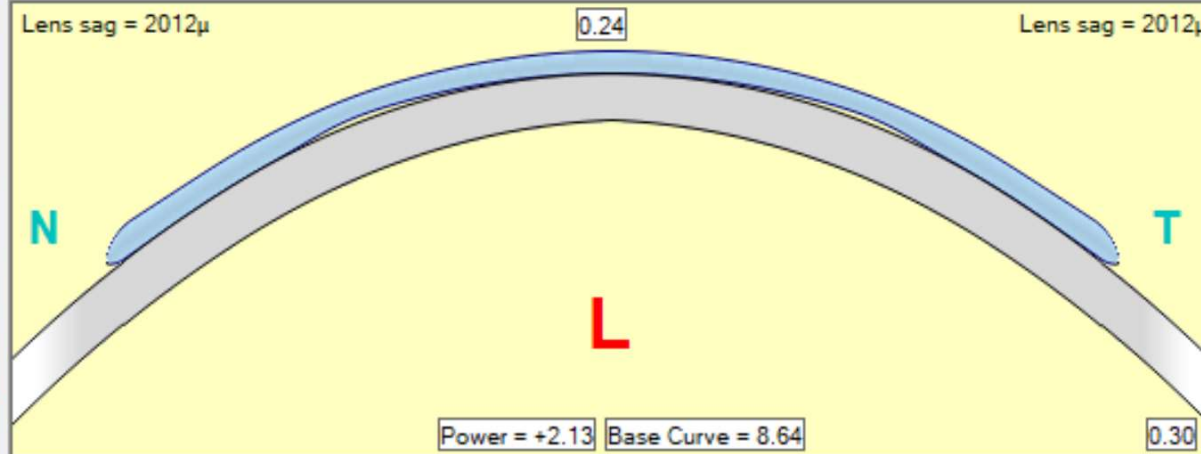
WAVE CONTACT[®]
LENS
SYSTEM
Engineering Better Vision



Michelle Chung, OD
Shelby Walstad, CPO, ABOC, NCLEC



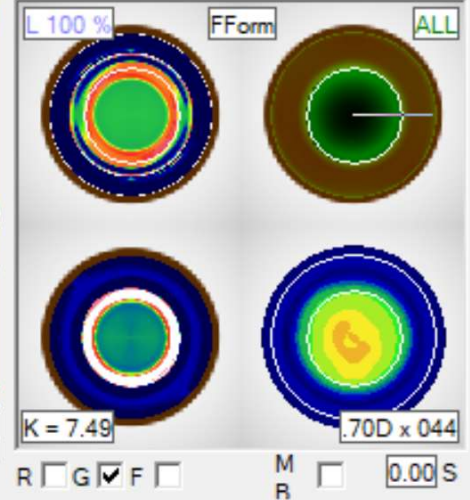
Modify



Demand= 6.79 /6.44

Meridian Tools Orders

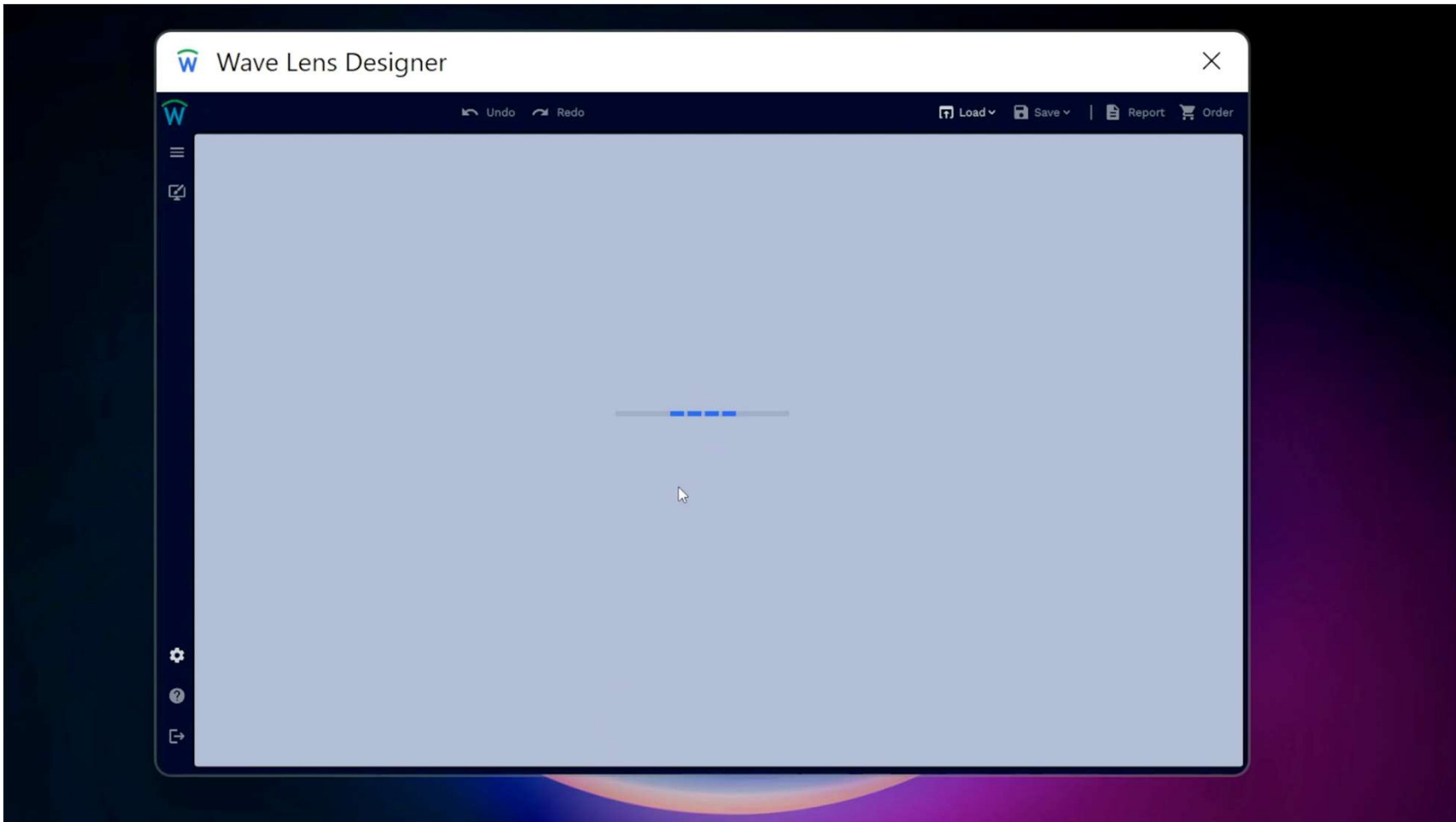
Edge



Rx				
Sphere	Cylinder	Axis	Add	
-2.50	-1.50	X 059	+0.00	
Over Refraction				
Sphere	Cylinder	Axis	Prism	
-0.75	0.00	X 180	<input type="checkbox"/>	

PATEL JAYA OS FALL 2021 MC 11-18-22.ZWT.zwt
data file = NTWAVEEXP

Material= Boston XO2 / Green
Lens Power = +2.57 +/- 0.51
Base Curve 8.74 +/- 0.11
OAD 11.00 CT 0.24 ET 0.30



LUS - PENTACAM 1 Large Color Map

Examination Display Settings External software

JPG

Name: R
 Name: S
 Date of Birth: 01/01/1999 Eye: Right
 Date: 12/15/2021 Time: 11:55:35
 Info:

Cornea Front

Rf: 7.58 mm K1: 44.6 D
 Rs: 7.51 mm K2: 45.0 D
 Rm: 7.54 mm Km: 44.8 D
 Axis: 98.2° Astig: 0.4 D
 Rper: 7.64 mm Rmin: 7.46 mm

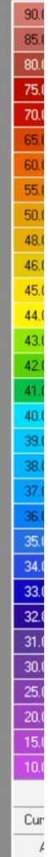
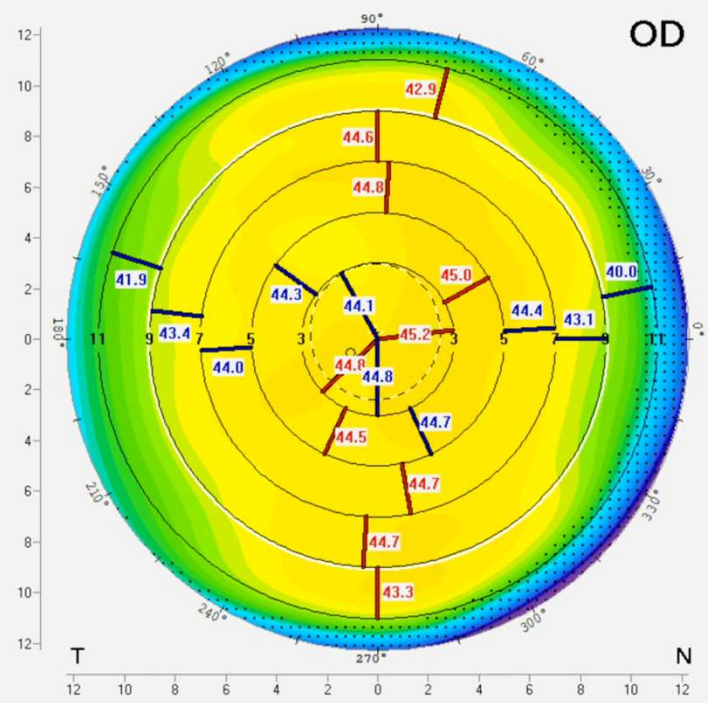
Cornea Back

Rf: 6.26 mm K1: -6.4 D
 Rs: 6.25 mm K2: -6.4 D
 Rm: 6.25 mm Km: -6.4 D
 Axis: 11.3° Astig: 0.0 D
 Rper: 6.43 mm Rmin: 6.09 mm

	Pachy:	x[mm]	y[mm]
Center:	+ 481 μm	-0.05	+0.15
rApex:	- 480 μm	0.00	0.00
Best Local:	○ 477 μm	-0.55	-0.27
c (Front):	● 45.2 D	+1.36	+0.55

sa Volume:	55.9 mm ³	HWTW:	11.7 mm
ber Volume:	195 mm ³	Angle:	36.8°
Depth (Ext.):	3.66 mm	Pupil Dia:	2.62 mm
IOP IOP(Sum):	+2.8 mmHg	Lens Th.:	

Axial / Sagittal Curvature (Front)



Wave Lens Designer

R S 15-12-2021 11_55_35 OD - 7 Undo Redo Load Save Report Order

Map Quad View

Fluorescein Map

Curvature Front

Topography

Curvature Back

K = 7.55 -42D x 098

Manual Modification

ALL 1/2 1/4

Modification Increments S (D)

2x 0.00 MB

Modification Area

Lens Profile

T

SAG 1935 μm

OD OS

N

SAG 1938 μm

CT (mm) 0.20 ET (mm) 0.16 OAD (mm) 10.60

DEMAND .39 / .60D POWER -4.20D BASE CURVE 7.48mm

Tearfilm 70

	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (μm)	46.6	15.6	3.5	0.3	0.0	0.5	3.9	15.9	46.8
SAG (μm)	1935	1671	1076	622	0	627	1083	1676	1938
DIA (mm)	10.36	9.60	7.80	6.00	0	6.00	7.80	9.60	10.36

CornealLens™

Biometric Data

Lens Type and Material

Template

Change Template

Geometry

Free Form

Material

Boston XO2

Color

Clear

Fenestration Prism

Plasma Hydra-PEG

Markings

Clinical Notes

Summary

Lens Geometry

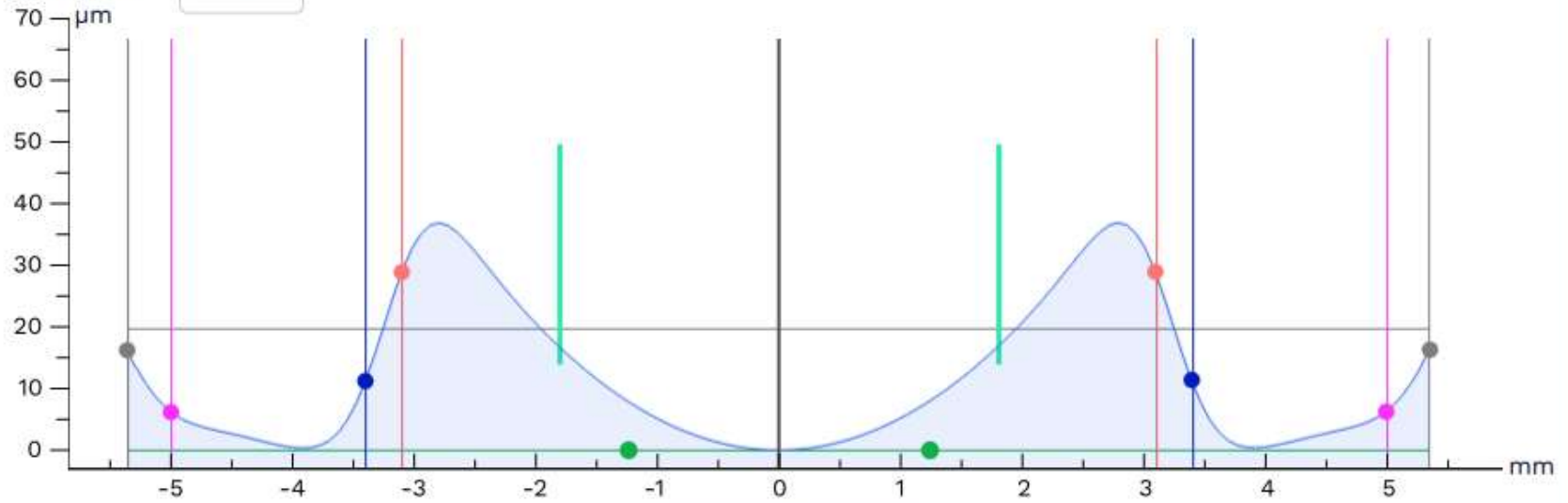
Free Form

Lens Power **Base Curve**

Wave Lens Designer

Tearfilm

70



	● Edge	● PC	● IC	● OZ	Central Clearance	● OZ	● IC	● PC	● Edge
TL (μm)	16.3	6.3	11.3	29.0	0.0	29.0	11.3	6.3	16.3
SAG (μm)	1957	1700	747	597	0	597	747	1700	1957
DIA (mm)	10.72	10.00	6.80	6.20	0	6.20	6.80	10.00	10.72

Lens Power Base Curve

Left Side Menu Bar

Wave Lens Designer

Simulation OD 2022-11-30 15_43_59

Map Quad View

Fluorescein Map Curvature Front

Topography Curvature Back

K = 7.79 1,50D x 001

Manual Modification

Modification Increments

Modification Area

Lens Profile

CT (mm) ET (mm) OAD (mm)

0.25 0.20 11.00

OD OS

T SAG 1965 μm

N SAG 1965 μm



DEMAND 5.23 / 4.49D POWER +1.47D BASE CURVE 8.87mm

Tearfilm 70



	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (μm)	8.7	1.3	15.2	37.9	0.5	38.0	15.3	1.5	8.9
SAG (μm)	1965	1705	721	568	0	568	721	1705	1965
DIA (mm)	10.72	10.00	6.70	6.10	0	6.10	6.70	10.00	10.72

NightLens

Biometric Data

Lens Type and Material

Markings

Clinical Notes

Summary

Lens Geometry

GSym

Lens Power Base Curve

+1.45 +/- 0.03 8.87 +/- 0.00

OAD CT ET

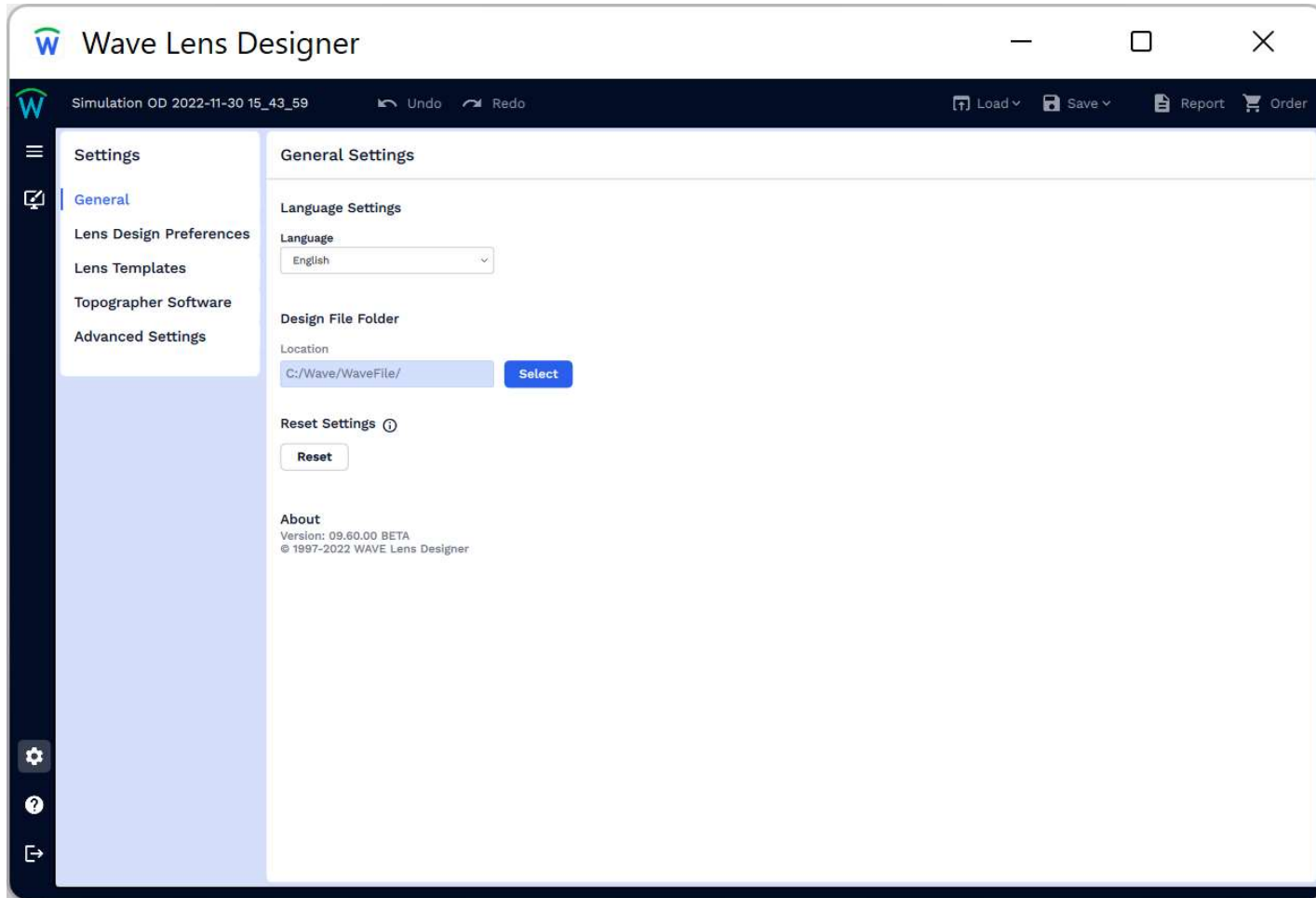
11.00 0.25 0.20

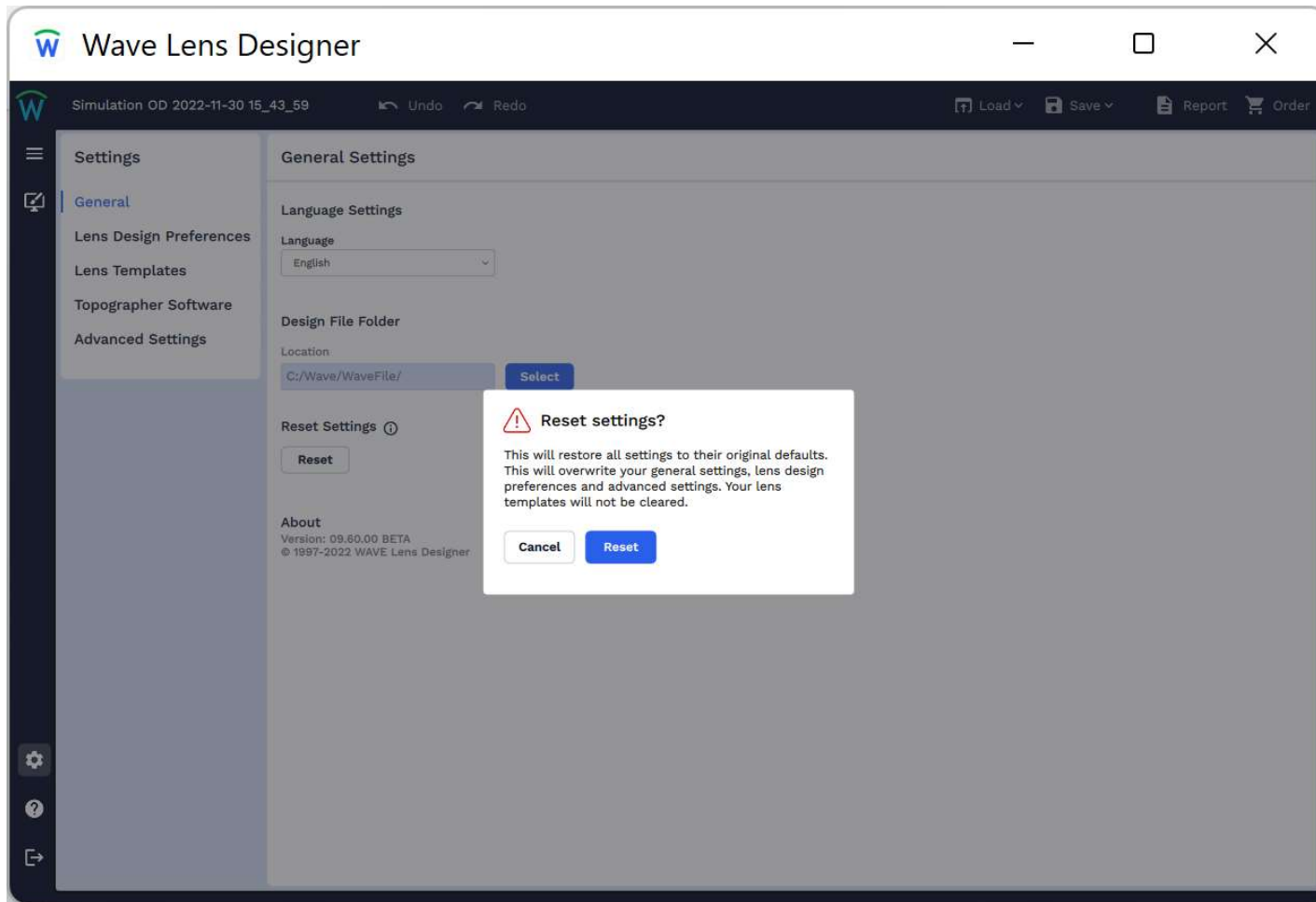
Add MF Zone

- -

Last saved on Ordered on

11/30/2022 -





The screenshot displays the Wave Lens Designer software interface. The title bar reads "Wave Lens Designer". The main window shows "Simulation OD 2022-11-30 15_43_59" and standard software controls like "Undo", "Redo", "Load", "Save", "Report", and "Order". A left sidebar contains a "Settings" menu with options for "General", "Lens Design Preferences" (selected), "Lens Templates", "Topographer Software", and "Advanced Settings". The "Lens Design Preferences" panel includes three lens type buttons: "NightLens", "ScleraLens", and "CorneaLens". Below these are settings for "Default Lens Diameter (OAD)" with a value of 0.50 mm, "Lens Diameter = Corneal Diameter", "Lens Geometry" (with radio buttons for FForm, GSym, and RSym), "Advanced" settings, and "Tear Layer Mode" (with radio buttons for Axial and Tangential). The "Material Preferences" section is divided into "OD" and "OS" columns, each with "Material" and "Color" dropdown menus. The "OD" material is "Boston Equ 2" and color is "Red"; the "OS" material is "Boston Equ 2" and color is "Blue". A "Markings" section has a "Yes" radio button selected. At the bottom, two circular diagrams show the lens geometry for "OD" and "OS" with 90, 180, and 270 degree markings.

Wave User guide recommendations are 0.2-0.5mm smaller than HVID

The screenshot shows the Wave Lens Designer software interface. The title bar reads "Wave Lens Designer". The main window displays "Simulation OD 2022-11-30 15_43_59" and includes "Undo" and "Redo" buttons. A top menu bar contains "Load", "Save", "Report", and "Order" options. On the left, a sidebar menu lists "Settings", "General", "Lens Design Preferences" (selected), "Lens Templates", "Topographer Software", and "Advanced Settings". The main panel is titled "Lens Design Preferences" and features three lens design templates: "NightLens", "ScleraLens" (selected), and "CorneaLens". Below these, the "Default Lens Diameter (OAD)" is set to 4.00 mm, with a note "Lens Diameter = Corneal Diameter". The "Central Clearance" is set to 0 µm, with a note "Central Clearance = Default value". The "Material Preferences" section includes settings for "OD" and "OS", each with "Material" (set to "Optimum Extreme") and "Color" (set to "Clear" for OD and "Blue" for OS) dropdown menus. A blue text box is overlaid on the interface, providing user guide recommendations.

Wave User guide recommendations are 4mm larger than HVID

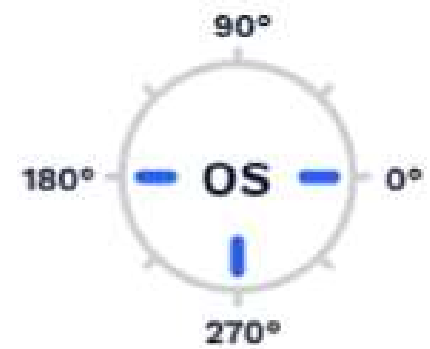
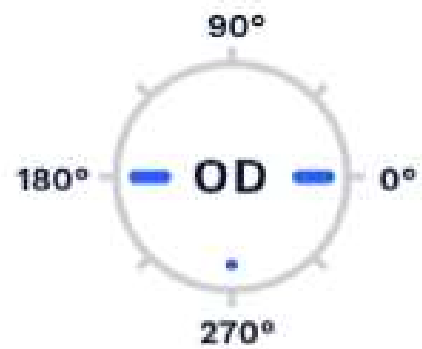
Central Clearance Recommendations
Pentacam CSP – 350um
Central Scan Pentacam, Keratograph or Medmont – 300um
Eaglet ESP – 400um-450um

The screenshot displays the Wave Lens Designer software interface. The title bar reads "Wave Lens Designer" and includes standard window controls. The main menu bar contains "Simulation OD 2022-11-30 15_43_59", "Undo", "Redo", "Load", "Save", "Report", and "Order". A left sidebar lists settings categories: "Settings", "General", "Lens Design Preferences" (selected), "Lens Templates", "Topographer Software", and "Advanced Settings". The main workspace is titled "Lens Design Preferences" and features three lens design templates: "NightLens", "ScleraLens", and "CorneaLens" (which is currently selected). Under "Default Lens Diameter (OAD)", the "Lens Diameter = Corneal Diameter" is set to 0.50 mm. The "Lens Geometry" section has radio buttons for "FForm" (selected), "GSym", and "RSym". The "Advanced" section includes "Tear Layer Mode" with radio buttons for "Axial" and "Tangential" (selected). The "Material Preferences" section is divided into "OD" and "OS" columns. Both have "Material" dropdowns set to "Optimum Extreme" and "Color" dropdowns set to "Green" for OD and "Blue" for OS. The "Markings" section has radio buttons for "Yes" (selected) and "No". At the bottom, there are two circular diagrams representing lens markings for "OD" and "OS", each with 90°, 180°, and 270° markers.

Wave User guide recommendations are 1.0-1.5mm smaller than HVID

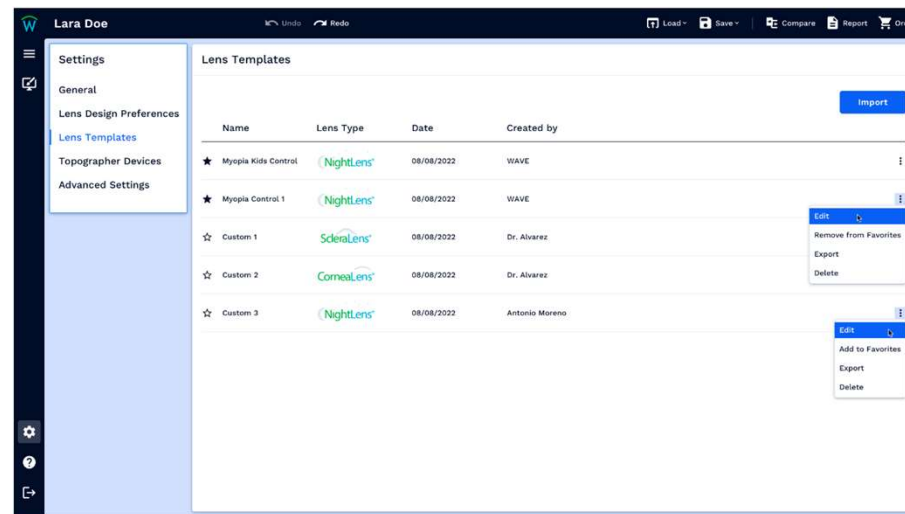
Markings

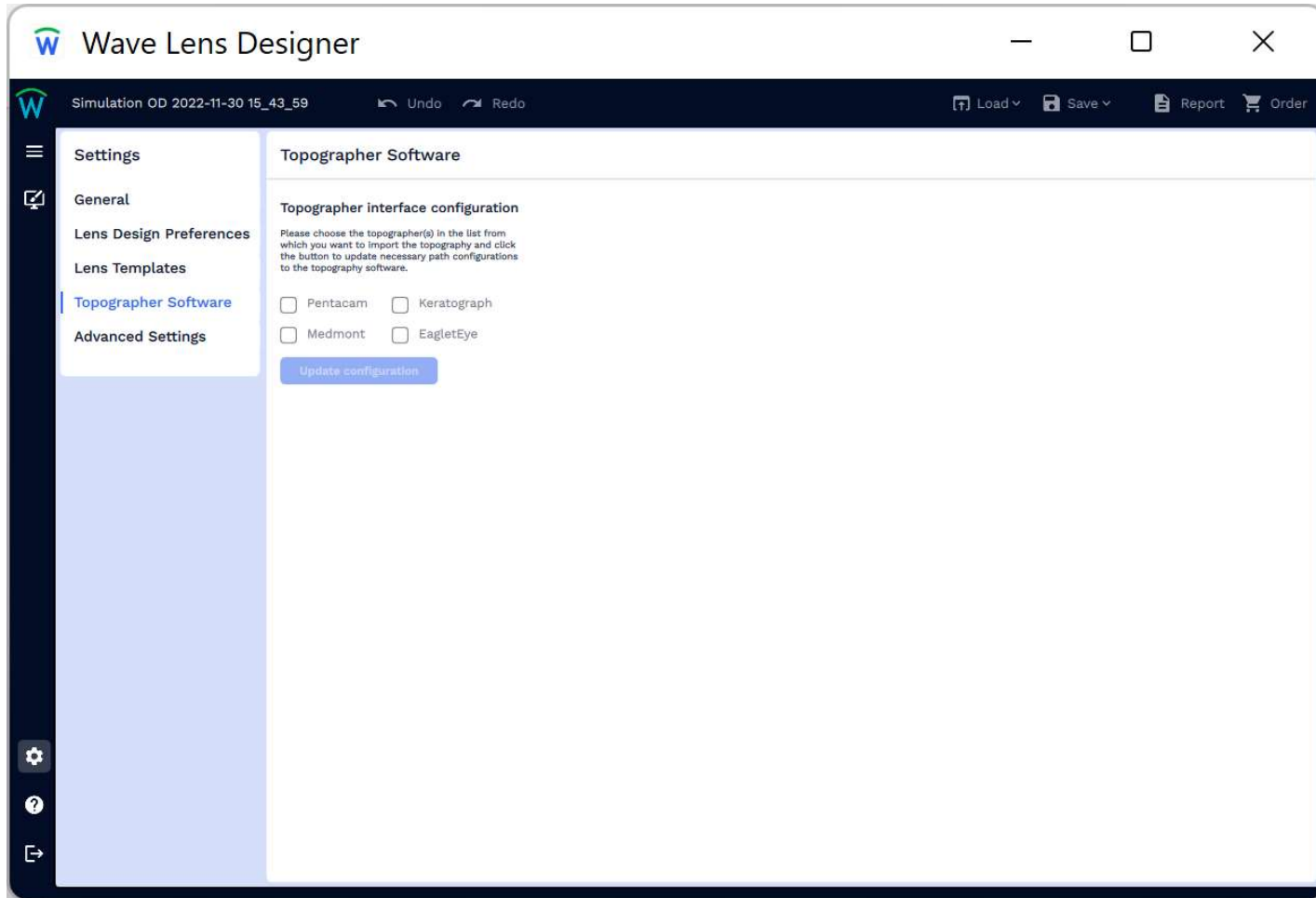
Yes No



Left Menu – Lens Templates

- **Lens Templates**





The screenshot displays the Wave Lens Designer application window. The title bar reads "Wave Lens Designer" and includes standard window controls (minimize, maximize, close). The main interface has a dark blue header with the following elements:

- File name: Simulation OD 2022-11-30 15_43_59
- Actions: Undo, Redo, Load, Save, Report, Order

The left sidebar contains a navigation menu with the following items:

- Settings (selected)
- General
- Lens Design Preferences
- Lens Templates
- Topographer Software
- Advanced Settings

The main content area is titled "Advanced Settings" and contains a section for "Design Screen Options". Below this section, there are four toggle switches, all of which are currently turned off:

- FForm / GSym Switch ⓘ
- Minimal Blending (MB) ⓘ
- Shape factor (S) ⓘ
- Tear Layer Mode indicator ⓘ

At the bottom left of the sidebar, there are three icons: a gear (Settings), a question mark (Help), and a document with an arrow (Export/Save).

- Settings
- General
- Lens Design Preferences
- Lens Templates
- Topographer Software
- Advanced Settings

Advanced Settings

Design Screen Options

Choose to display the following options on the design screen:

- FForm / GSym Switch ⓘ
- Minimal Blending (MB) ⓘ
- Shape factor (S) ⓘ
- Tear Layer Mode indicator ⓘ

Wave Lens Designer

SIMULATION OD 2022-11-23 12_27_43

Undo Redo Load Save Report Order

Map

Quad View

Fluorescein Map

Curvature Front

Topography

Curvature Back

K = 8.20 **FForm** GSym .00D x 088

Manual Modification

ALL 1/2 1/4

Modification Increments

S (0) 0.00 MB

Modification Area

ORx

Lens Profile

CT (mm) 0.25 ET (mm) 0.20 OAD (mm) 11.00

OD OS

T SAG 1884 μm N SAG 1884 μm

DEMAND 2.70 / 2.70D POWER +1.24D BASE CURVE 8.78mm

Tearfilm

70

Tear Layer Mode: Axial

	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (μm)	9.9	1.9	8.8	22.3	1.6	22.4	8.8	1.9	9.9
SAG (μm)	1884	1636	723	582	0	582	723	1636	1884
DIA (mm)	10.72	10.00	6.80	6.20	0	6.20	6.80	10.00	10.72

NightLens

Biometric Data

Lens Type and Material

Template

VST OrthoK

Change Template

Geometry

Free Form

Material

Boston Equ 2

Color

Red

Fenestration Prism

Plasma Hydra-PEG

Markings

Yes No

Clinical Notes

Summary

Lens Geometry

Free Form

Lens Power +1.24 +/- 0.01 Base Curve 8.78 +/- 0.00

OAD 11.00 CT 0.25 ET 0.20

Wave Lens Designer

Simulation OD 2022-12-07 14_47_05 Undo Redo Load Save Report Order

Map

Quad View

Fluorescein Map

Curvature Front

Topography

Curvature Back

K = 7.79 FForm GSym 1.50D x 001

Manual Modification

ALL 1/2 1/4

Modification Increments S (0)

Bx 0.00 MB

Modification Area

Lens Profile

OD OS

CT (mm) ET (mm) OAD (mm)

0.25 0.20 11.00

T N

SAG 1949 μm SAG 1949 μm

DEMAND 4.09 / 3.34D POWER +1.23D BASE CURVE 8.61mm

NightLens[®]

Biometric Data

Lens Type and Material

Markings

Clinical Notes

Summary

Lens Geometry

Free Form

Lens Power Base Curve

+1.22 +/- 0.02 8.61 +/- 0.00

OAD CT ET

11.00 0.25 0.20

Add MF Zone

- -

[Print Rx](#)

Last saved on Ordered on

12/07/2022 -

Tearfilm

70 μm

Tear Layer Mode: Axial

	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (μm)	24.4	11.9	11.6	28.8	0.0	28.7	11.5	11.8	24.3
SAG (μm)	1949	1694	747	598	0	598	747	1694	1949
DIA (mm)	10.72	10.00	6.80	6.20	0	6.20	6.80	10.00	10.72

CALCULATIONS

Improved Internal Calculation's

- Improved calculations between the Pentacam and Eaglet ESP.
- No need to redesign current patients, however new fits will have improved data and higher chance of first lens fit success with good quality scans



Wave Lens Designer

Simulation OD 2022-11-30 15_43_59 Undo Redo Load Save Report Order

Map Quad View

Fluorescein Map **Curvature Front**

Topography Curvature Back

K = 7.79 1.50D x 001

Manual Modification

ALL 1/2 1/4

Modification Increments

4x

Modification Area

ORx

Lens Profile

OD OS

CT (mm) 0.20 ET (mm) 0.16 OAD (mm) 10.50

T SAG 1743 μm N SAG 1743 μm

DEMAND .72 / -.03D POWER -6.59D BASE CURVE 8.05mm

Tearfilm 70

	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (μm)	46.8	21.6	4.0	1.1	1.2	1.2	4.1	21.7	46.8
SAG (μm)	1743	1501	1016	559	0	559	1016	1501	1743
DIA (mm)	10.26	9.50	7.86	5.90	0	5.90	7.86	9.50	10.26

CorneaLens

Biometric Data

Lens Type and Material

Template

Change Template

Geometry

Free Form

Material

Optimum Extreme

Color

Green

Fenestration Prism

Plasma Hydra-PEG

Markings

Yes No

Clinical Notes

Summary

Lens Geometry

Free Form

Lens Power **Base Curve**

-7.20 +/- 0.64 7.93 +/- 0.13

OAD **CT** **ET**

10.50 0.20 0.16

Enter Over-Refraction

Expected Residual Prescription

<input type="text" value="+0.50"/>	<input type="text" value="-1.25"/>	<input type="text" value="091"/>
Sphere (D)	Cylinder (D)	Axis (°)
<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="180"/>



Rotation (°)

Enter Over-Refraction

Expected Residual Prescription

<input type="text" value="+0.50"/>	<input type="text" value="-1.25"/>	<input type="text" value="091"/>
Sphere (D)	Cylinder (D)	Axis (°)
<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="180"/>

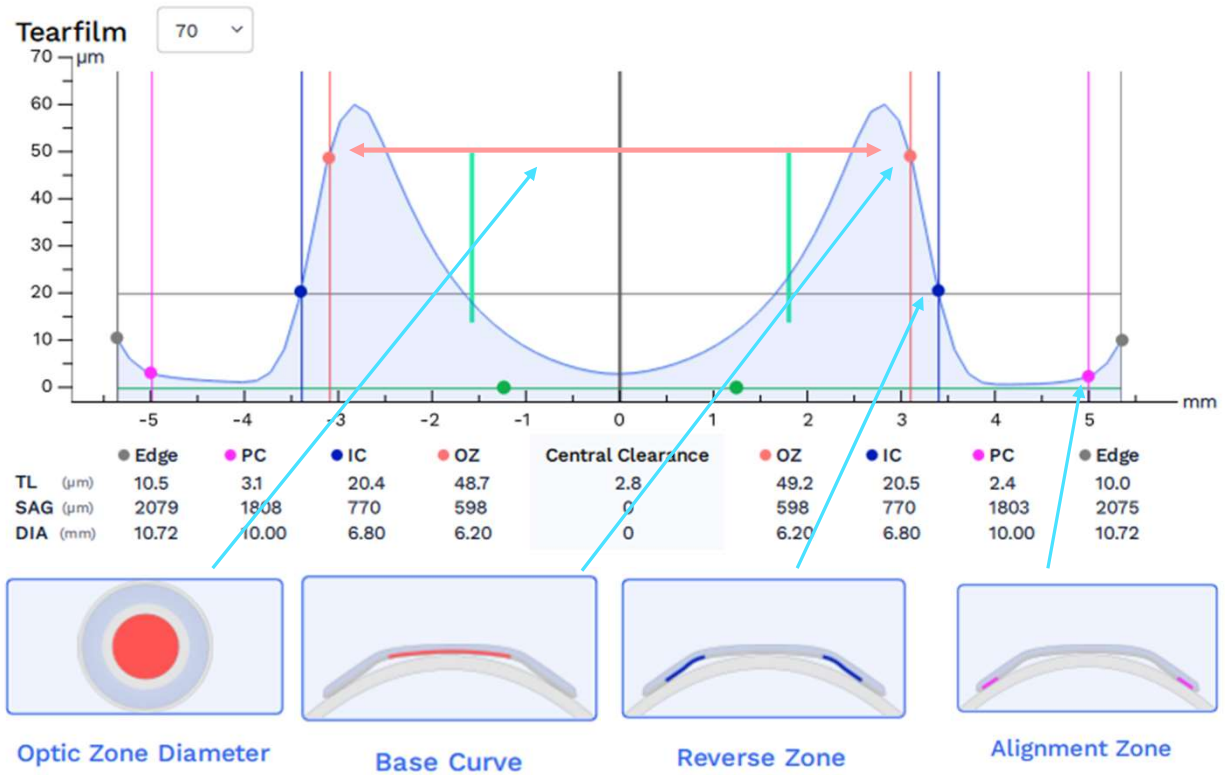


Rotation (°)

Modification Tools



What can I adjust?
Where can I see and make changes?



Modification Tools

Modifications

Alignment Zone Reverse Zone Base Curve Optic Zone Diameter

Modify Alignment Zone

Amount (µm): 5 Area: ALL 1/2 1/4

Increase SAG Decrease SAG

Cancel Apply

Can modify lens in ALL, 1/2, 1/4 Meridians. In Alignment Zone and Reverse Zone this is an increase/decrease in Microns

Modifications

Alignment Zone Reverse Zone Base Curve Optic Zone Diameter

Modify Reverse Zone

Amount (µm): 1 Area: ALL 1/2 1/4

Increase SAG Decrease SAG

Cancel Apply

Modifications

Alignment Zone Reverse Zone Base Curve Optic Zone Diameter

Modify Base Curve

Amount (D): 0.25

Steepen Flatten

Cancel Apply

For Base Curve you can Flatten/Steepen in Diopters

Modifications

Alignment Zone Reverse Zone Base Curve Optic Zone Diameter

Modify Optic Zone

Amount (mm): 0.10

Increase Decrease


Cancel Apply

For the Optic Zone you are changing in mm.

Modification Tools

Modifications

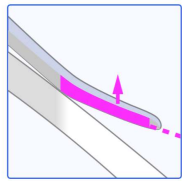






Alignment Angle Limbal Clearance Central Clearance

Modify Alignment Angle

Amount (µm)
 10

Area
 ALL 1/2 1/4



Increase Angle Decrease Angle

Modifications

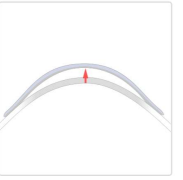
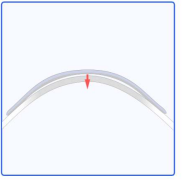






Alignment Angle Limbal Clearance Central Clearance

Modify Central Clearance





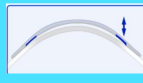
Amount (µm)
 10

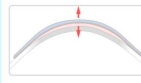
Increase Decrease

Can modify lens in ALL, 1/2, 1/4 Meridians. In Alignment Angle and Limbal Clearance this is an increase/decrease in Microns

Modifications

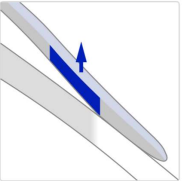
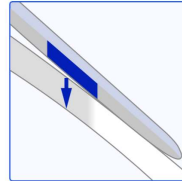







Alignment Angle Limbal Clearance Central Clearance

Modify Limbal Clearance

Amount (µm)
 10

Area
 ALL 1/2 1/4



Increase Decrease

For Central Clearance you can increase or decrease in Microns



Ordering





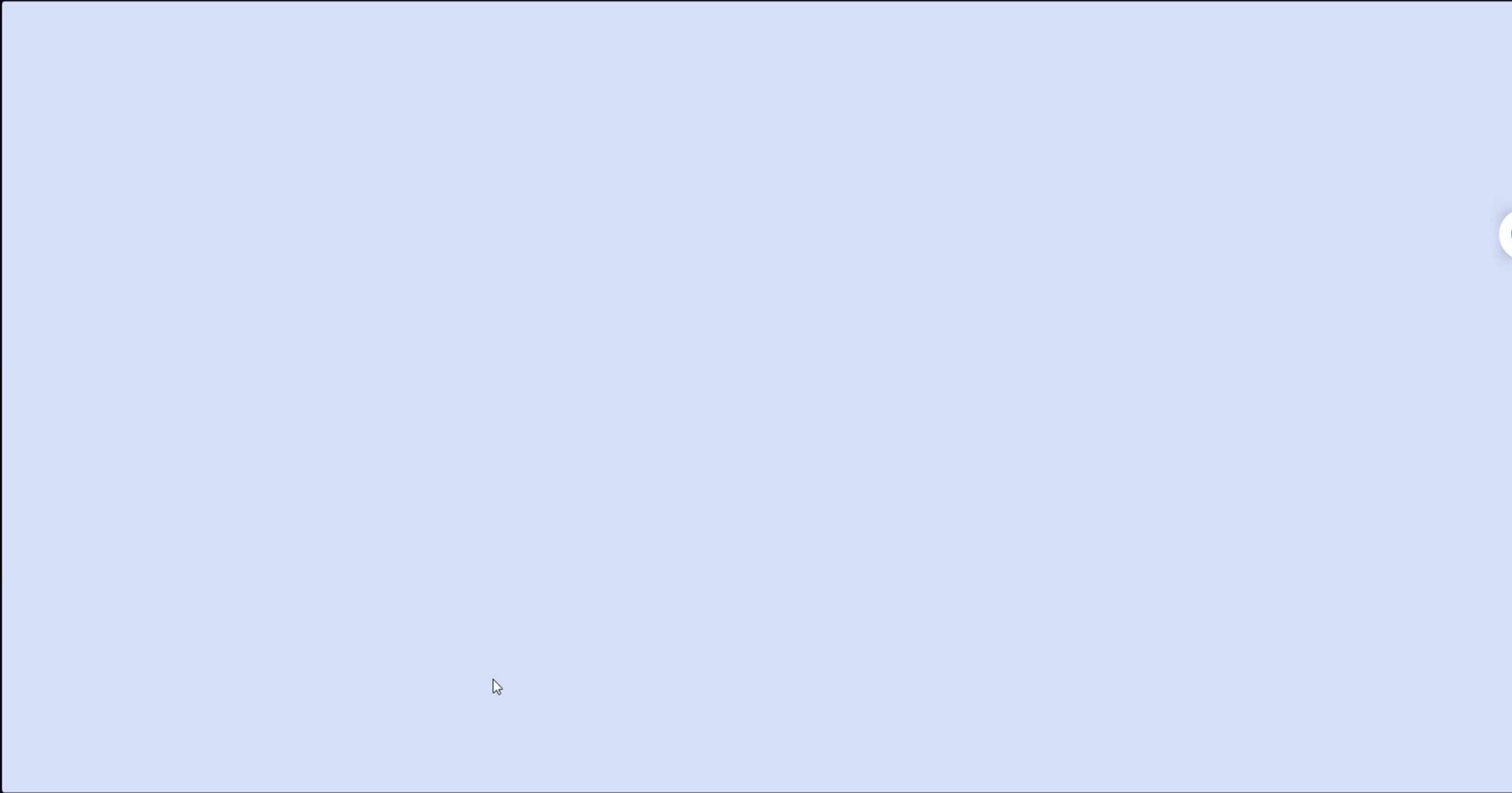
↶ Undo ↷ Redo

↶ Load ▾

💾 Save ▾

📄 Report

🛒 Order





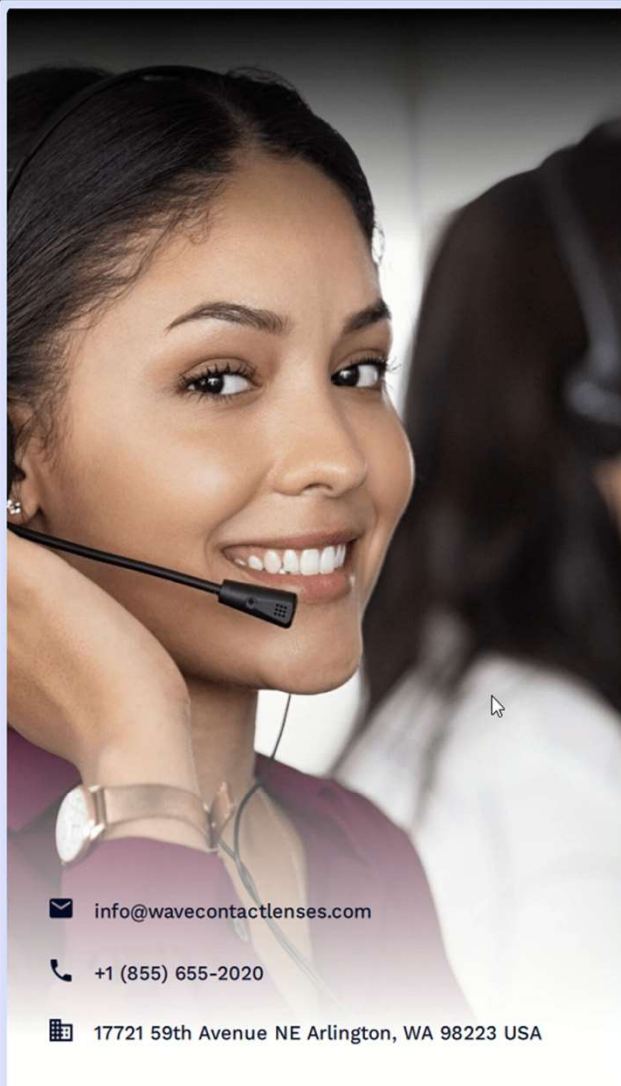
↶ Undo ↷ Redo

↑ Load ▾

💾 Save ▾

📄 Report

🛒 Order



✉ info@wavecontactlenses.com

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📍 17721 59th Avenue NE Arlington, WA 98223 USA



Order Tracking

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Check IOSS



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