

Optiflex

TRIO  
PLUS



VISION  
THAT  
FLOWS  
SEAMLESSLY  
ALL THE WAY



CE  
2460

biotech

VISION CARE



## TRIFOCAL EDOF IOL FOR CONTINUOUS VISION

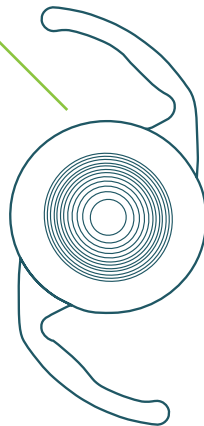
Optiflex Trio Plus is Trifocal EDOF intraocular lens used for presbyopia correction. It's unique refractive EDOF design combined with diffractive pattern gives continuous enhanced vision at all distances and results in spectacle-free quality vision.\*

# INNOVATIVE *Refractive Diffractive* ASPHERIC DESIGN FOR CONTINUOUS VISION

Designed to mimic  
natural crystalline  
lens vision

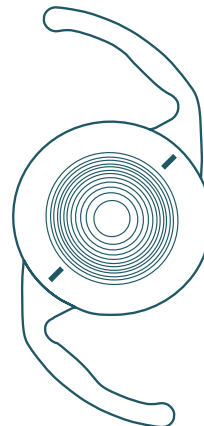
Optimum light  
utilization for distance,  
intermediate and  
near vision

Pupil independent design



Continuous vision from  
distance to near with  
enhanced quality

Specially designed  
refractive EDOF  
combined with smooth  
diffractive pattern for  
minimal photic  
phenomenon



***ReDi***STRIBUTED LIGHT ENERGY FOR  
**ENHANCED CONTINUOUS VISION**



Optiflex

TRIO  
PLUS



# PRODUCT FEATURES

- Continuous enhanced visual outcome at all distances
- Cutting edge advanced refractive-diffractive EDOF hybrid technology
- Zonal Refractive EDOF profile with smooth diffractive pattern for minimal dysphotopsia
- Optimized utilization of light for enhanced contrast in all lighting conditions
- Bridging the gap from distance to near mimicking natural crystalline lens vision\*
- Pupil independent, no compromise in visual quality in any lighting condition\*
- 100% patient satisfaction\*
- Spectacle independence\*



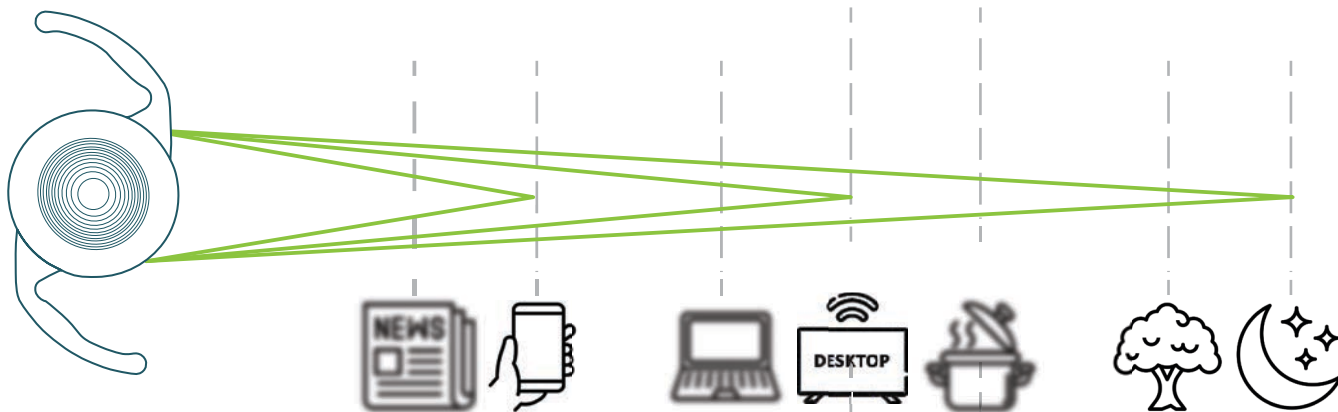
# ReDiSTRIBUTED LIGHT ENERGY FOR ENHANCED CONTINUOUS VISION

TRADITIONAL  
MULTIFOCAL IOLS

NEAR VISION

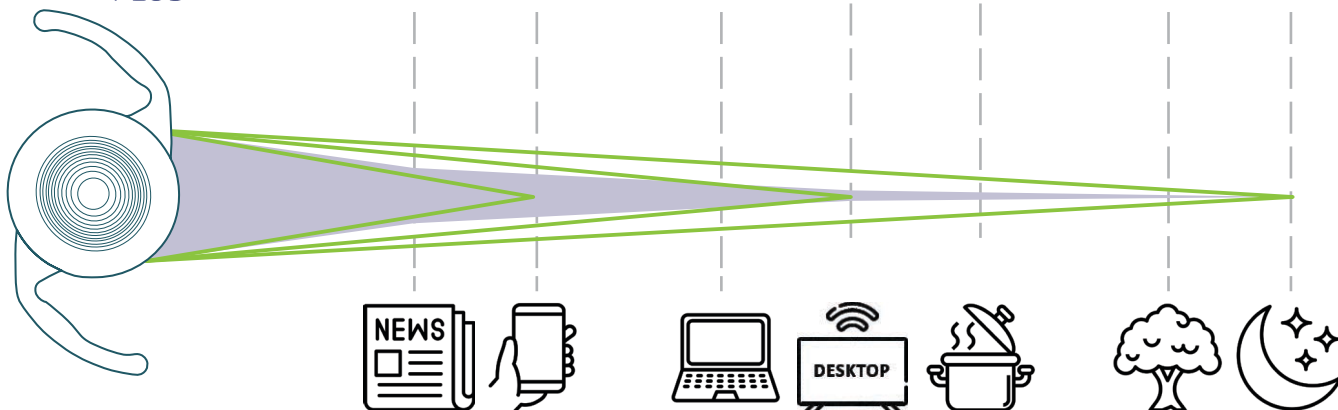
INTERMEDIATE VISION

FAR VISION



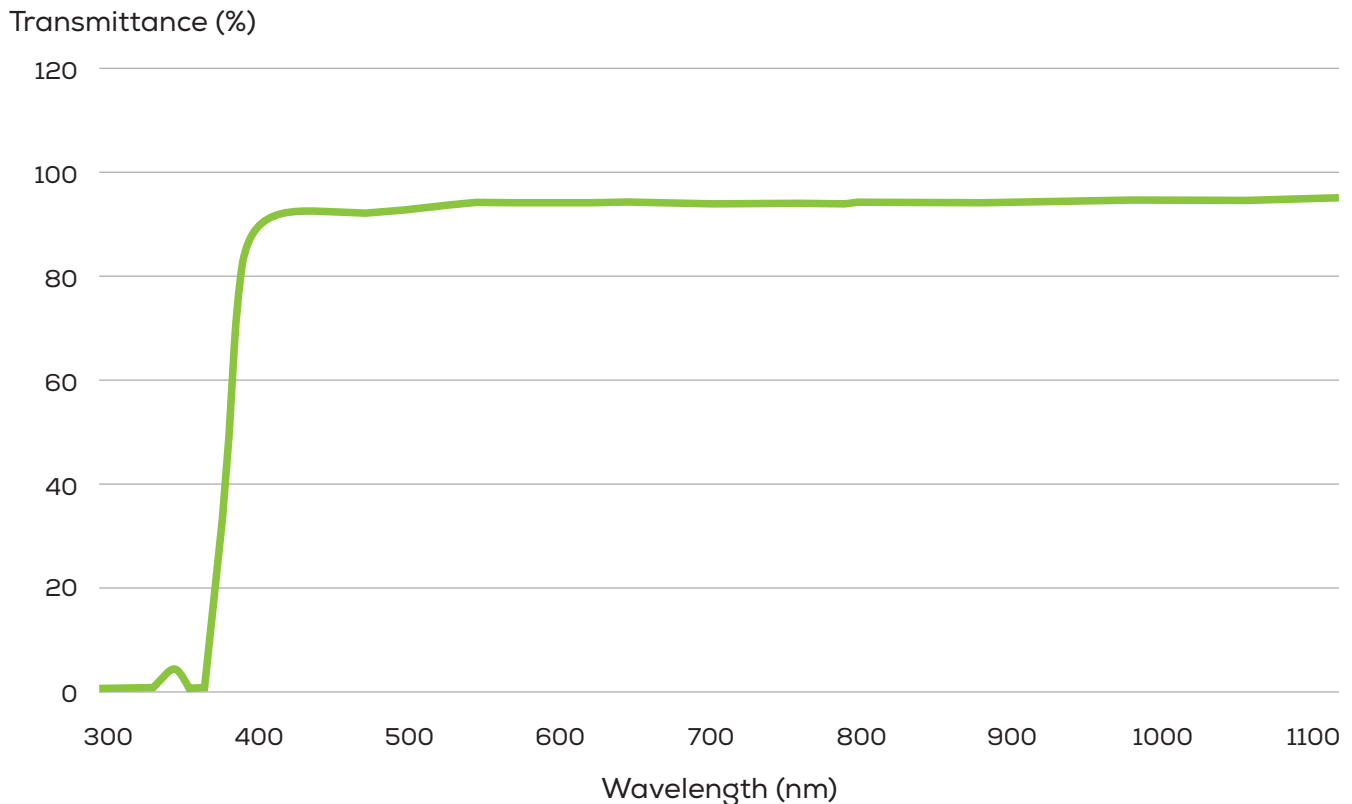
Optiflex  
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CONTINUOUS VISION FROM DISTANCE TO NEAR



# SPECTRAL TRANSMITTANCE

With 91.1% light yield in the human eye's visible range (380 to 700 nm), the lens offers high-quality continuous vision from distance to near for daily activities and enhances contrast sensitivity.



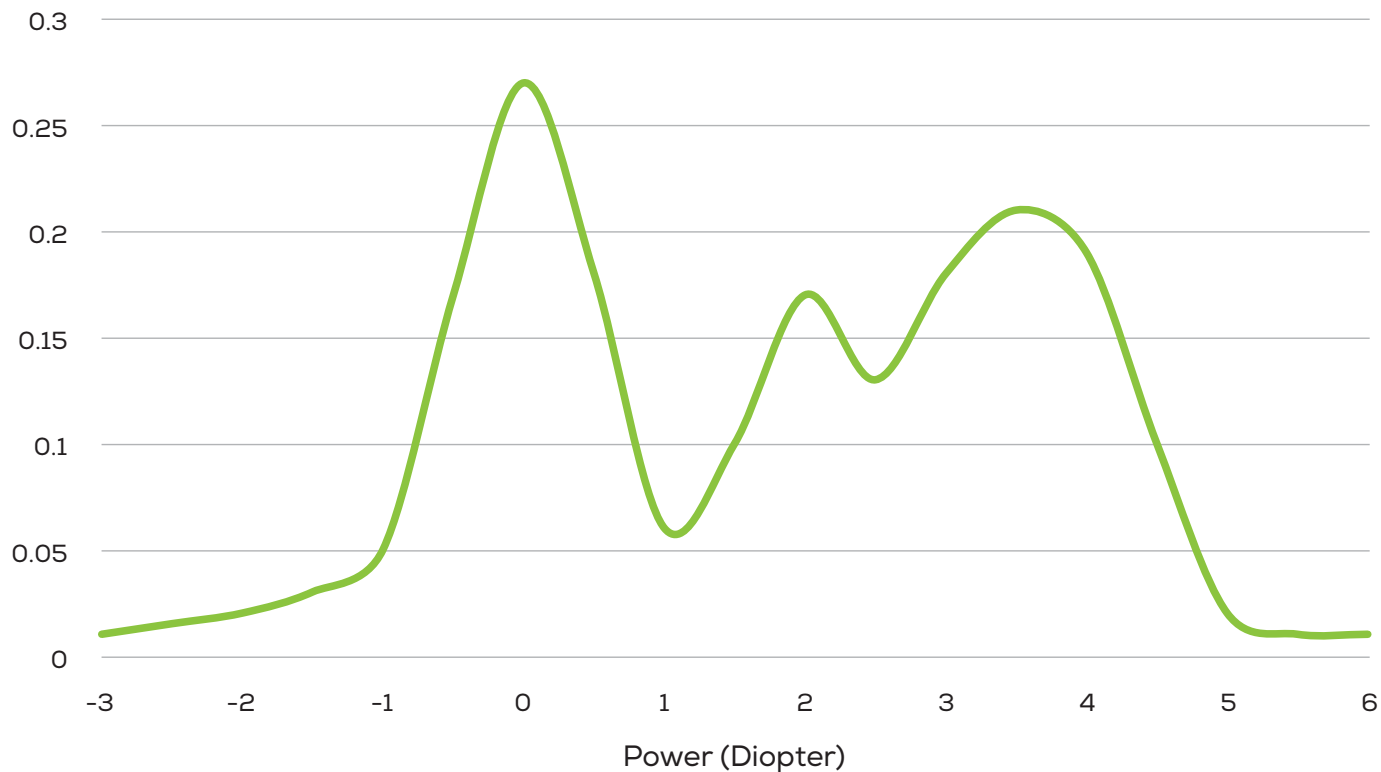
\*Data on file

# THROUGH FOCUS CURVE

Optiflex Trio Plus provides enhanced range of continuous vision for daily activities

## THROUGH FOCUS CURVE AT 3.0 MM PUPIL SIZE

MTF (50 lines/mm)



\*Data on file

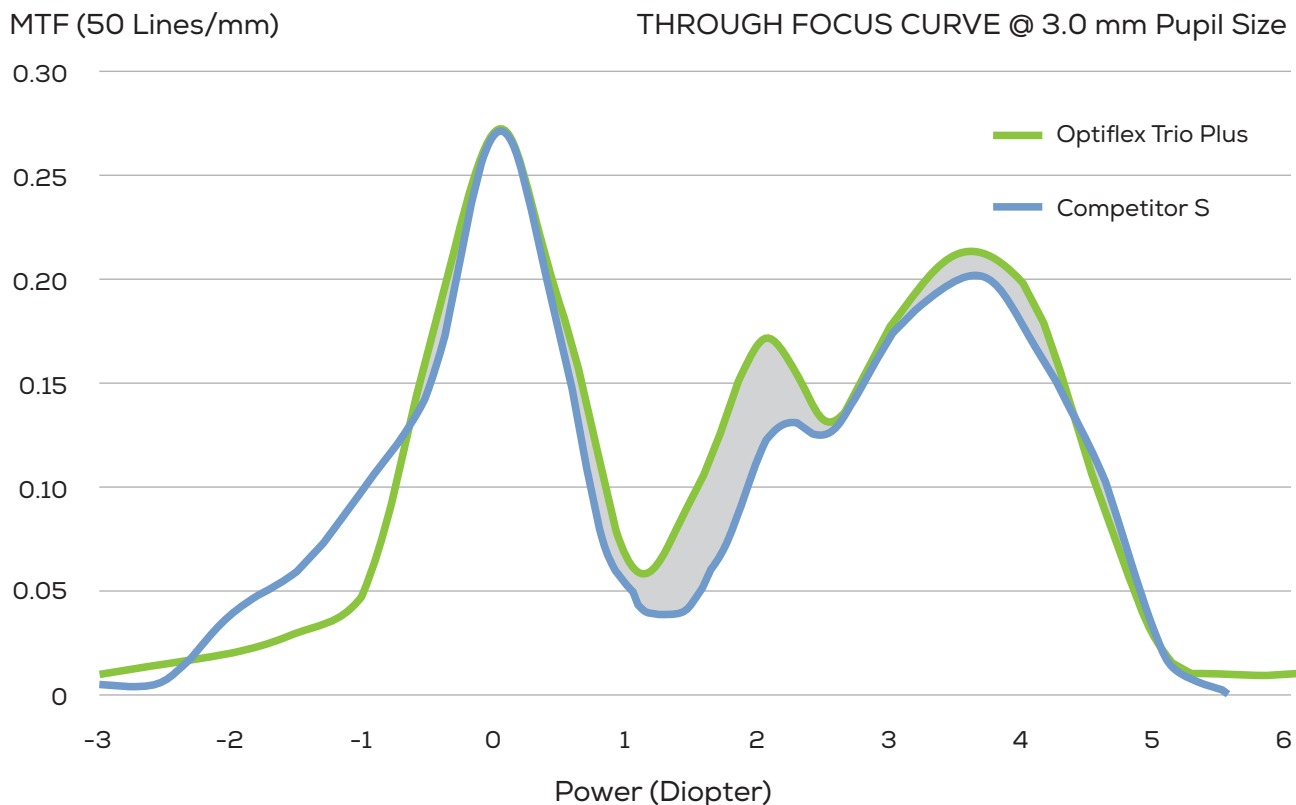


# THROUGH FOCUS

## CURVE COMPARISON WITH COMPETITOR

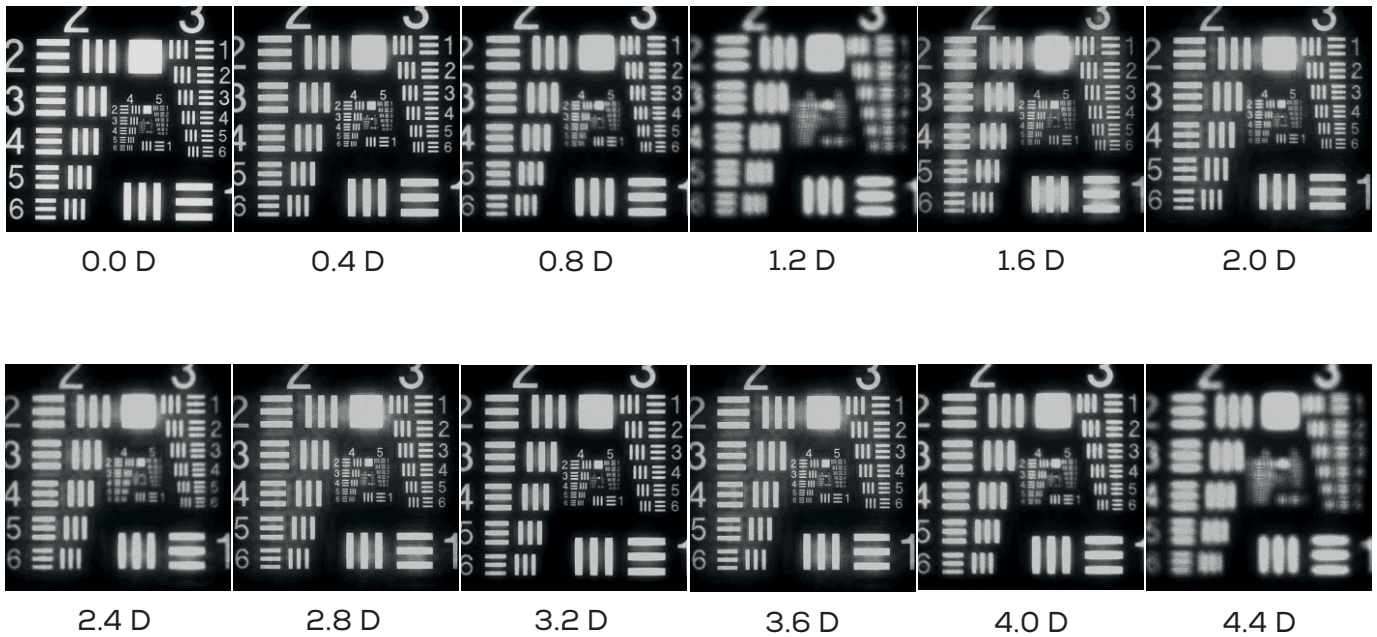
Improved functional intermediate & functional near vision in Optiflex Trio Plus IOL

Continuous vision for intermediate to near distances for daily activities, without compromising distance vision



# USAF IMAGES AT 3.0 MM PUPIL SIZE

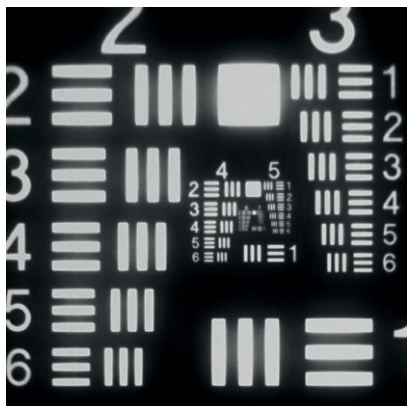
Improved functional Intermediate vision and continuous vision between Intermediate to near distance for daily activities



## USAF IMAGES AT 3.0 MM PUPIL SIZE

Superior visual quality as compared to traditional Trifocal IOLs for distance, intermediate and near visual activities

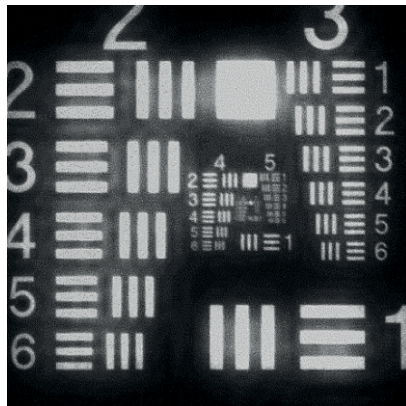
$\infty$



DISTANCE

0.0 D

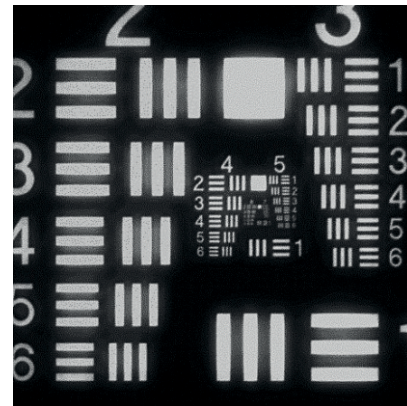
66 cm



INTERMEDIATE

2.0 D

40 cm



NEAR

3.2 D

# CLINICAL OUTCOMES

## SPHERICAL REFRACTION RESIDUALS

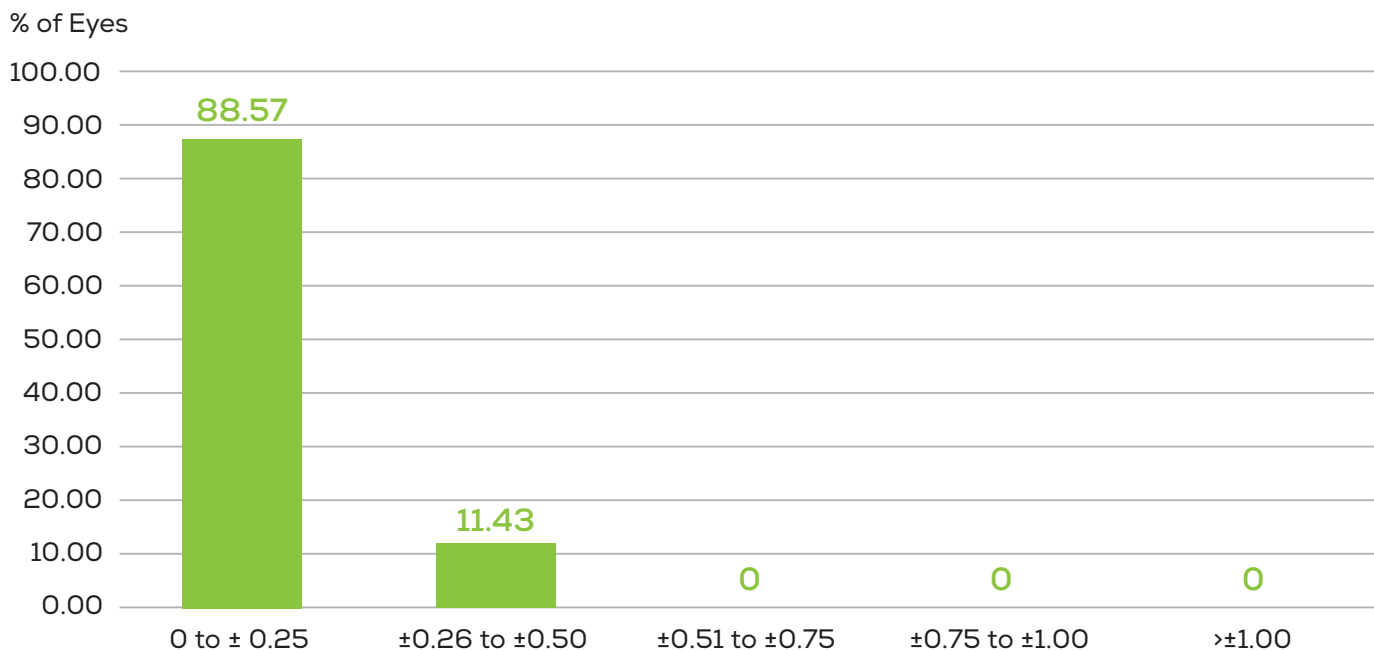
88.57%

Subjects exhibit spherical residual within  $\pm 0.25$  D

100%

Subjects exhibit spherical residual within  $\pm 0.50$  D

### POST OPERATIVE SPHERICAL RESIDUAL n=81



■ %SPH

# DISTANCE VISUAL ACUITY

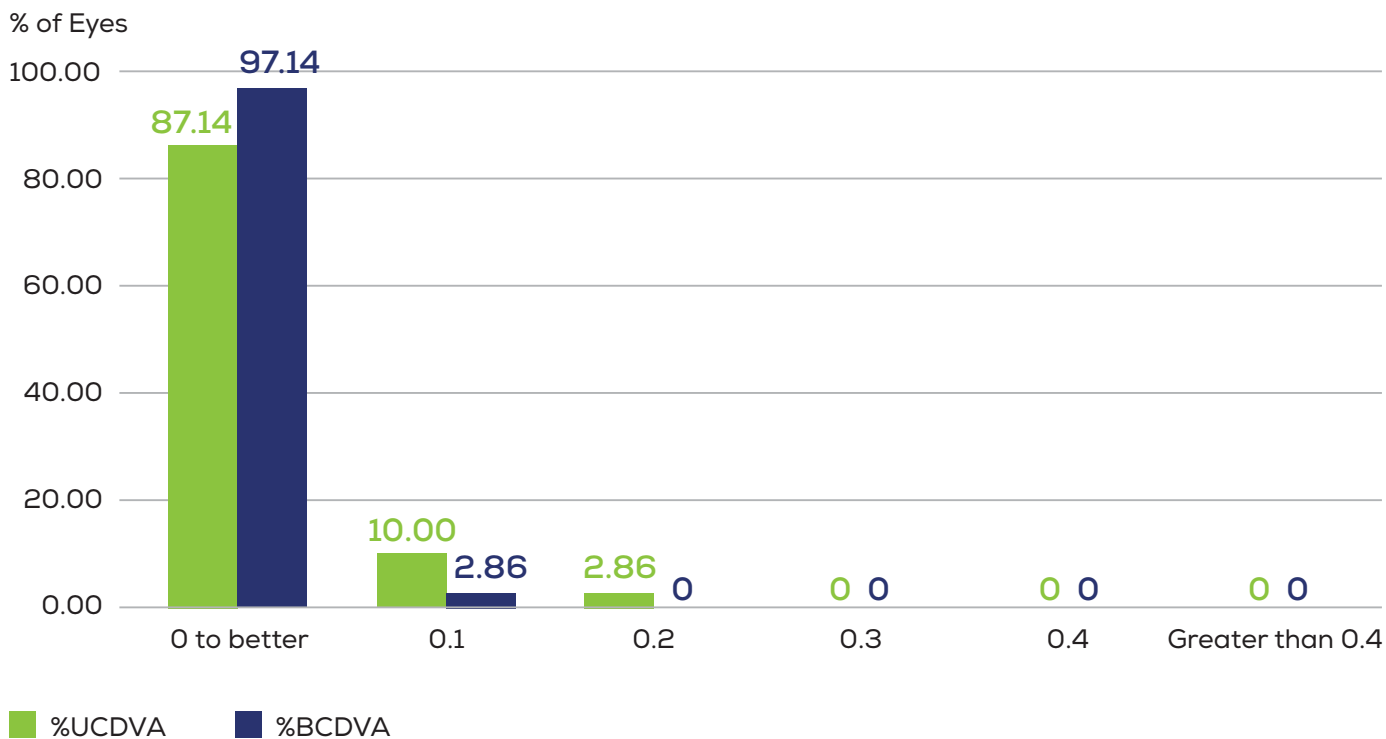
87.14%

Subjects exhibit uncorrected distance visual acuity 0 LogMAR or better

97.14%

Subjects exhibit uncorrected distance visual acuity 0.1 LogMAR or better

## DISTANCE VISUAL ACUITY n=81



# INTERMEDIATE VISUAL ACUITY

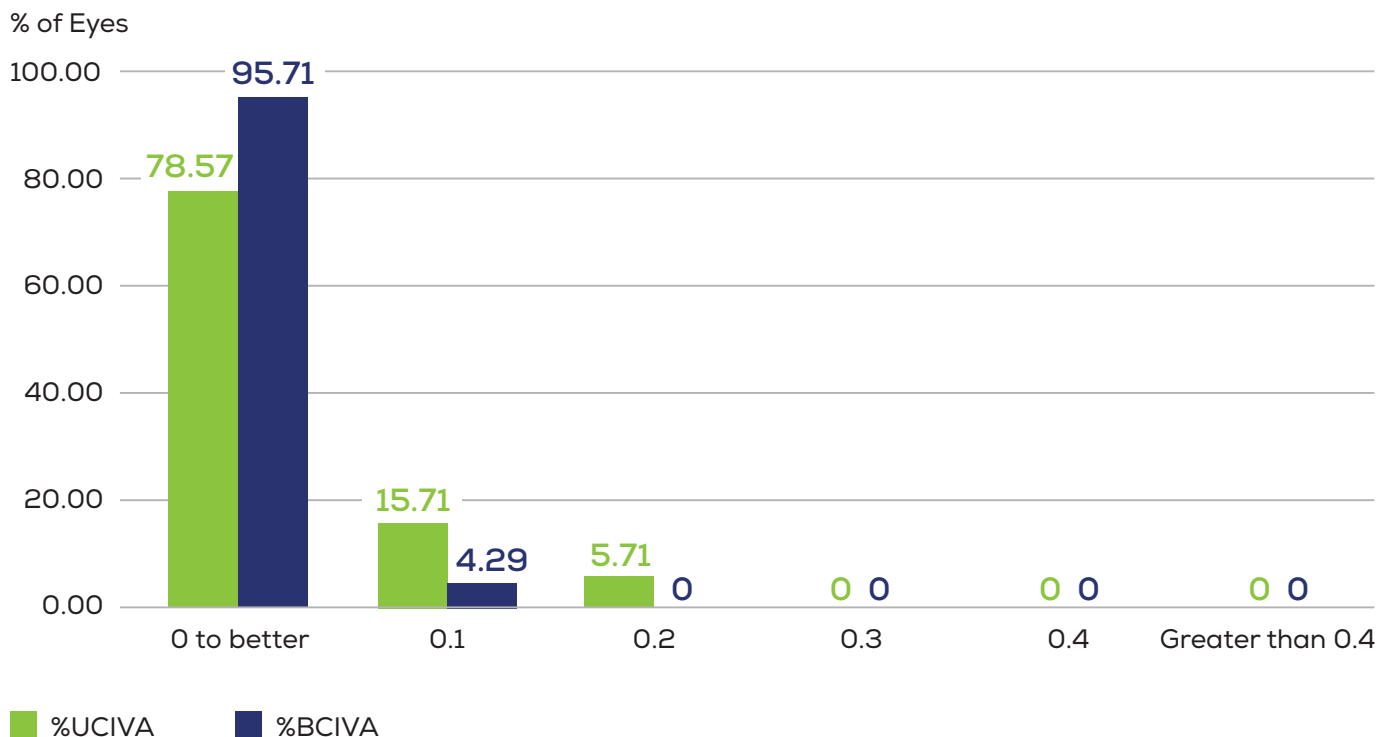
78.57%

Subjects exhibit uncorrected intermediate visual acuity 0 LogMAR or better

94.28%

Subjects exhibit uncorrected intermediate visual acuity 0.1 LogMAR or better

## INTERMEDIATE VISUAL ACUITY n=81



\*Data on file

# NEAR VISUAL ACUITY

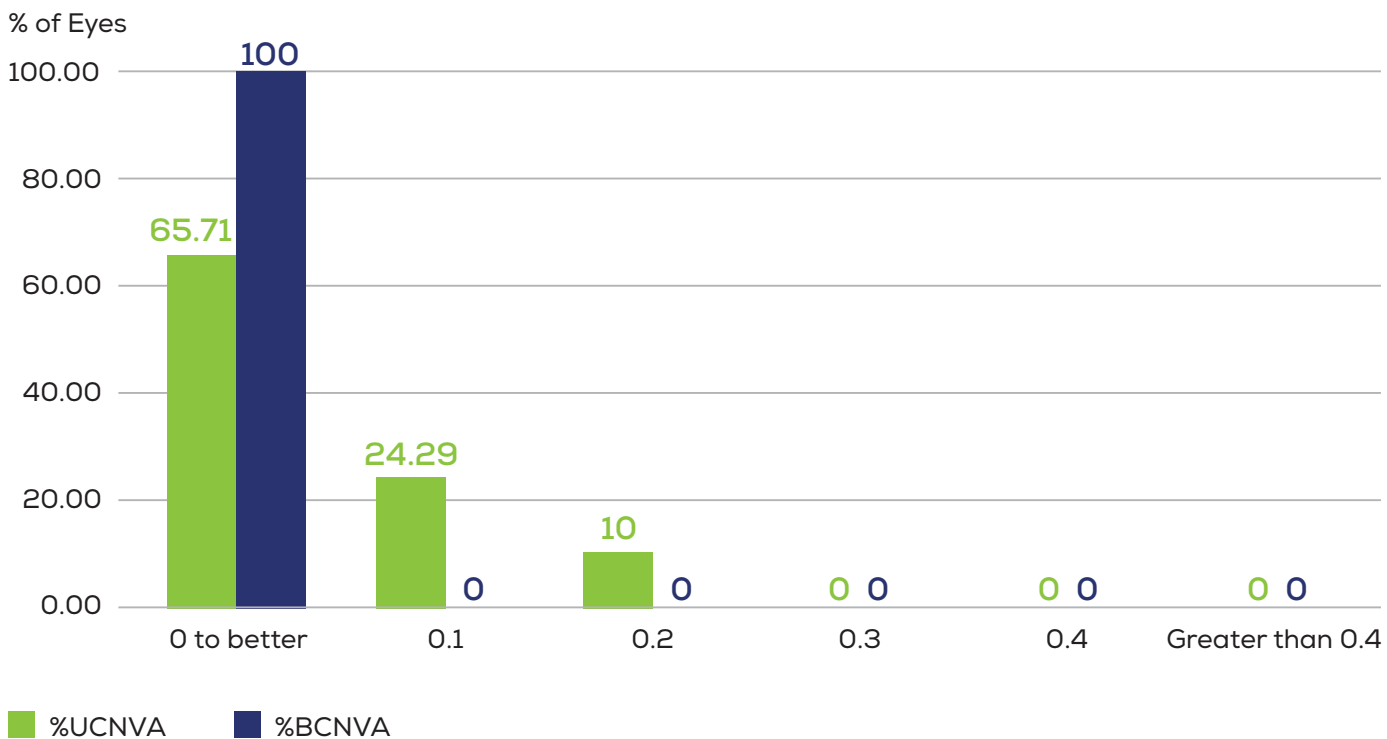
65.71%

Subjects exhibit uncorrected near visual acuity 0 LogMAR or better

90%

Subjects exhibit uncorrected near visual acuity 0.1 LogMAR or better

## NEAR VISUAL ACUITY n=81

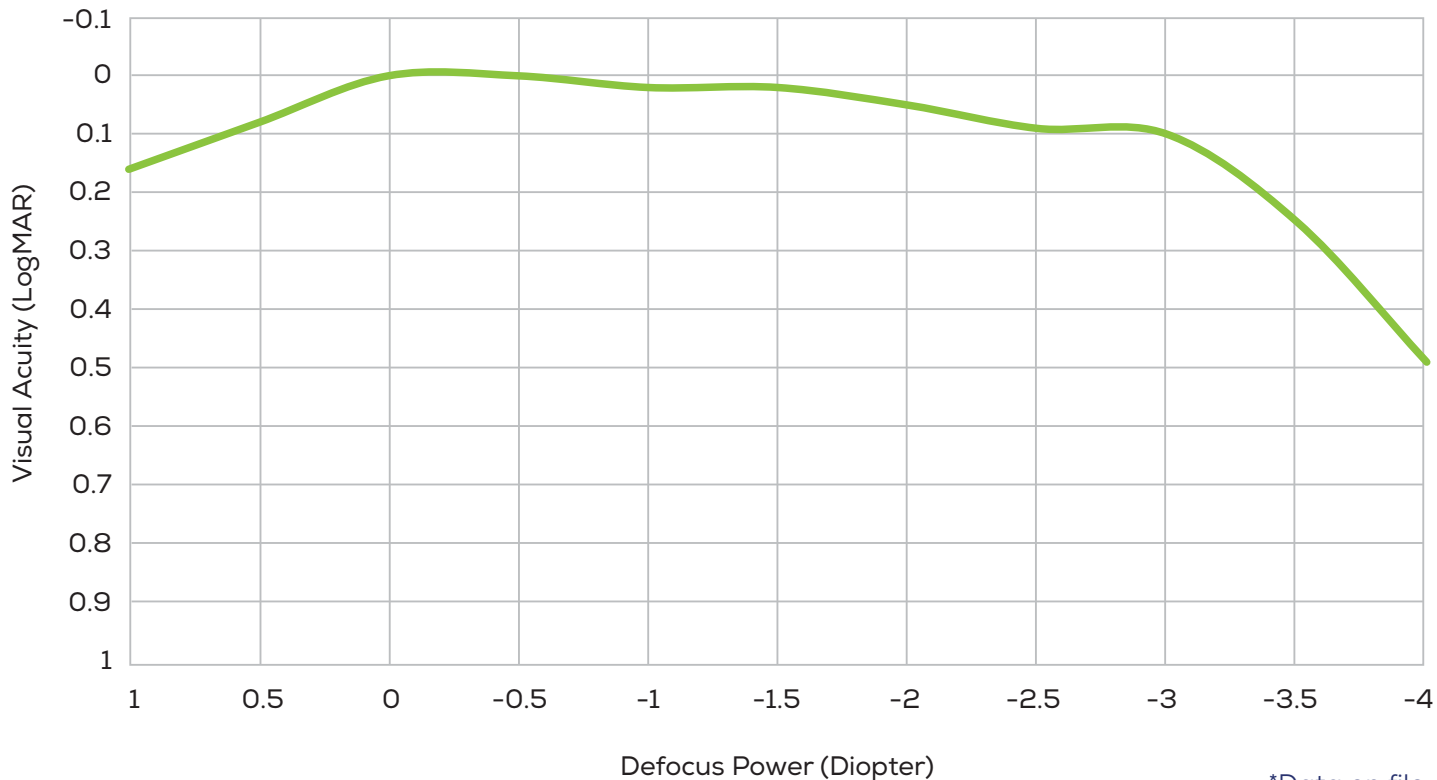


# DEFOCUS CURVE AT 3 MONTHS POSTOPERATIVE RESULTS

The defocus curve of the Optiflex TRIO Plus shows un-interrupted post-operative visual outcomes for distance to near objects

- An extended range of vision > 3.0 D at 0.2 Log MAR or better
- Continuous vision from Distance to Near distance
- Independence from the spectacles for day to day activities

## MONOCULAR DEFOCUS CURVE AT 3 MONTHS n=81

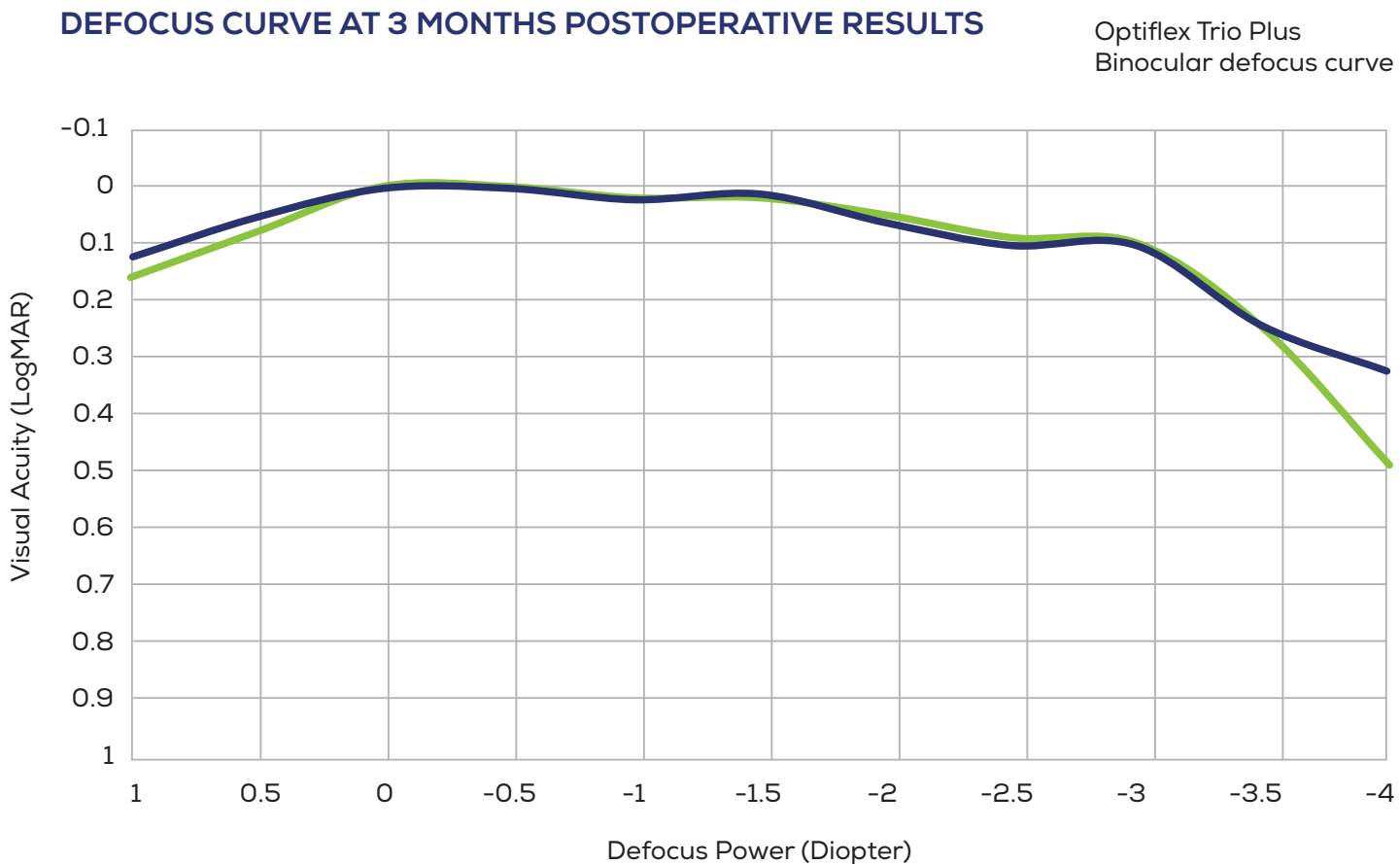


\*Data on file



# DEFOCUS CURVE AT AT 3 MONTHS POSTOPERATIVE RESULTS

Super imposed monocular and binocular defocus curves

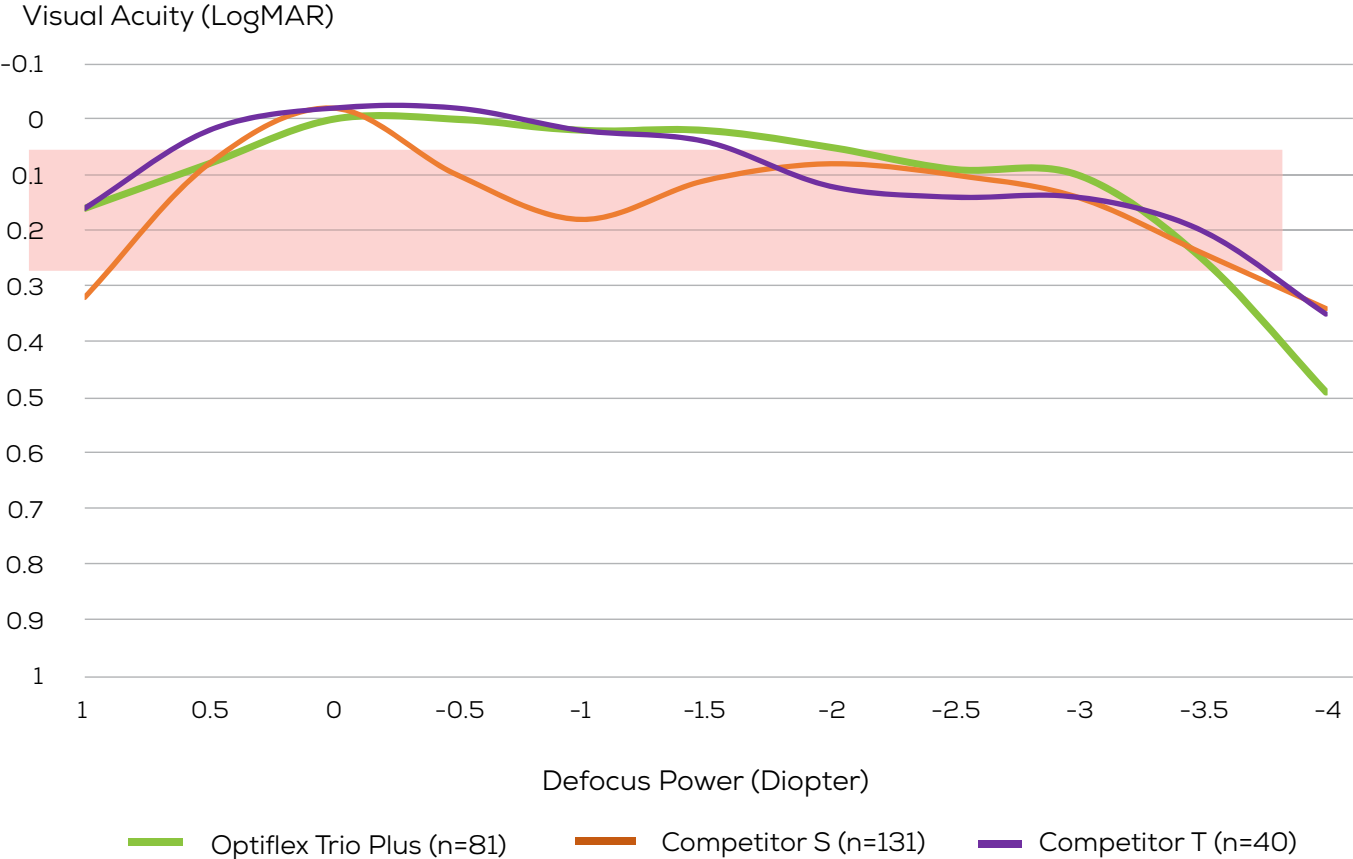


\*Data on file

# DEFOCUS CURVE

## COMPARISON WITH COMPETITOR IOL

The Optiflex Trio Plus defocus curve, measured at the spectacle plane during the three-month post-op follow-up, demonstrates superior performance in the functional intermediate range down to a near distance of 33 cm, without compromising distance vision, outperforming competitor IOLs.





Optiflex  
**TRIO**  
PLUS

A green brushstroke graphic with three black plus signs of varying sizes. The plus signs are positioned to the right of the text, with the largest one in the foreground and two smaller ones behind it.

# CONTRAST SENSITIVITY

1.55

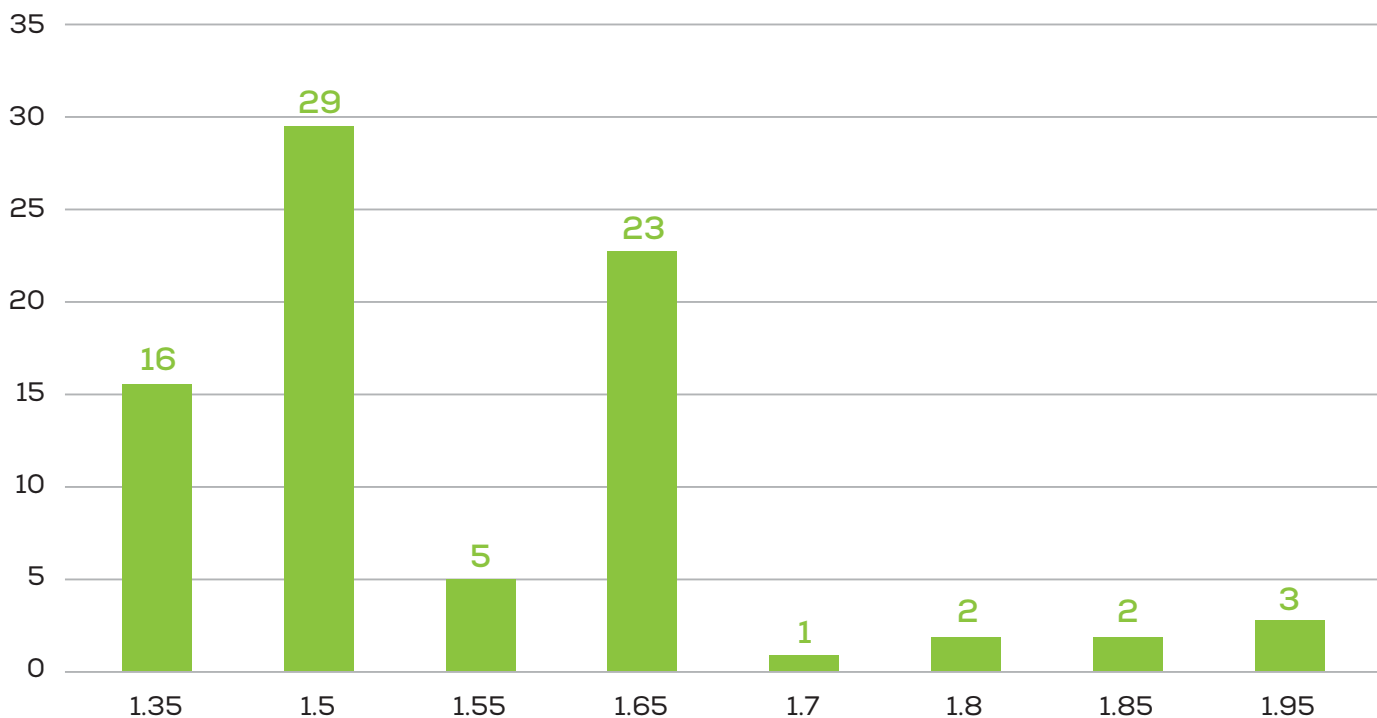
Average contrast sensitivity

81.25%

of subjects exhibit a contrast sensitivity of 1.5 or better

## CONTRAST SENSITIVITY n=81

Number of subjects



\*Measurements done on Pelli-Robson chart

Contrast sensitivity

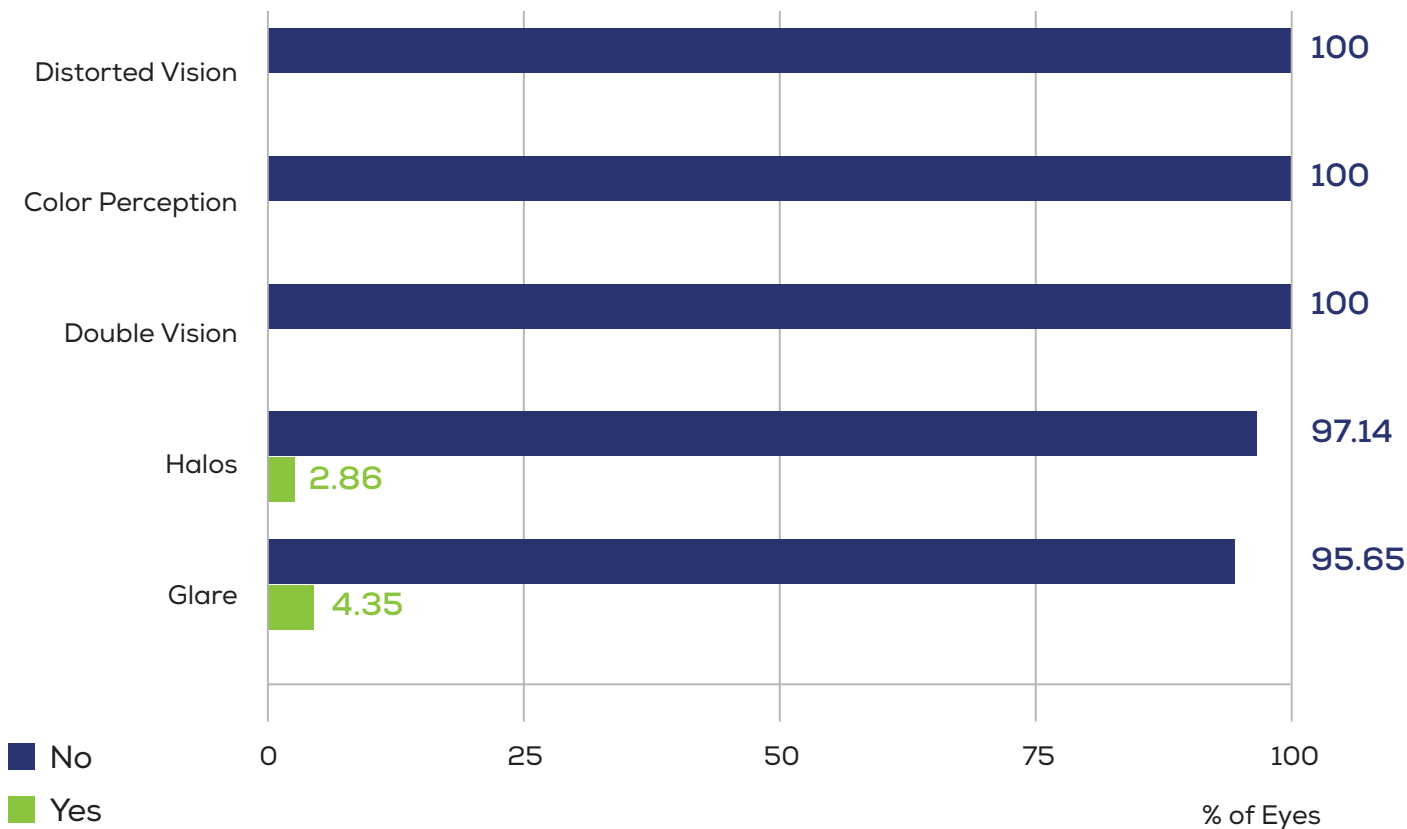
\*Data on file

# VISUAL DISTURBANCE

## Minimized Glare and Halos

100% subjects didn't observe distorted vision, issues with color perception or double vision in the post-operative follow-up. 97.14% and 95.65% of subjects reported slight halos or glare respectively. The photic phenomena is similar to traditional monofocal IOLs.

### PRESENCE OF VISUAL DISTURBANCE n=81



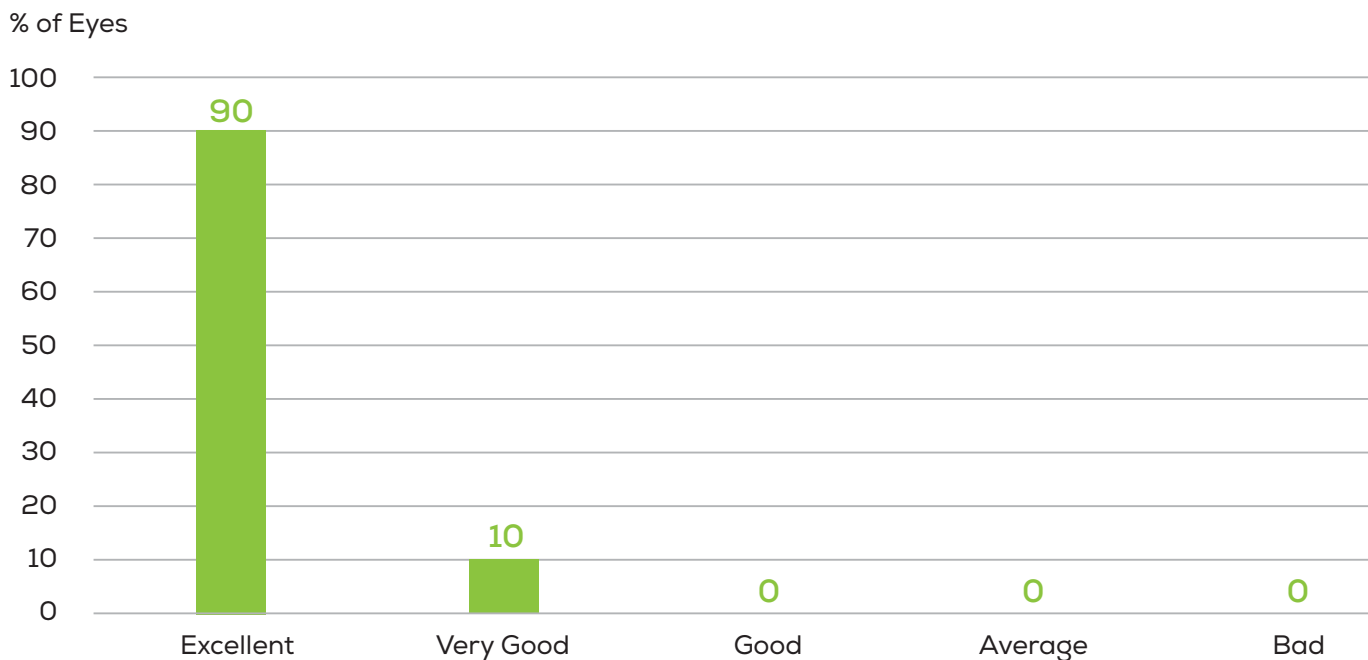
\*Data on file

# PATIENT SATISFACTION DISTANCE

100%

of subjects exhibit excellent and very good satisfaction for distance vision

## DISTANCE VISION n=81



■ At far distance

\*Data on file

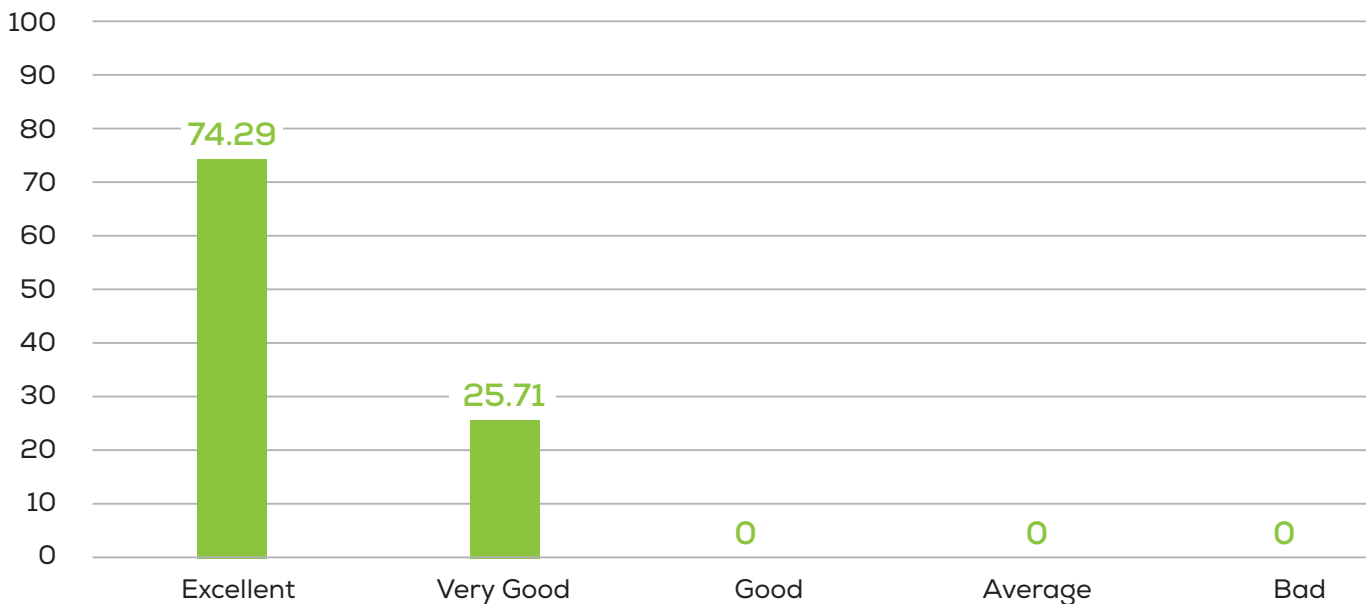
# PATIENT SATISFACTION INTERMEDIATE

100%

of subjects exhibit excellent and very good satisfaction for intermediate distance vision

## INTERMEDIATE DISTANCE n=81

% of Eyes



■ Intermediate distance

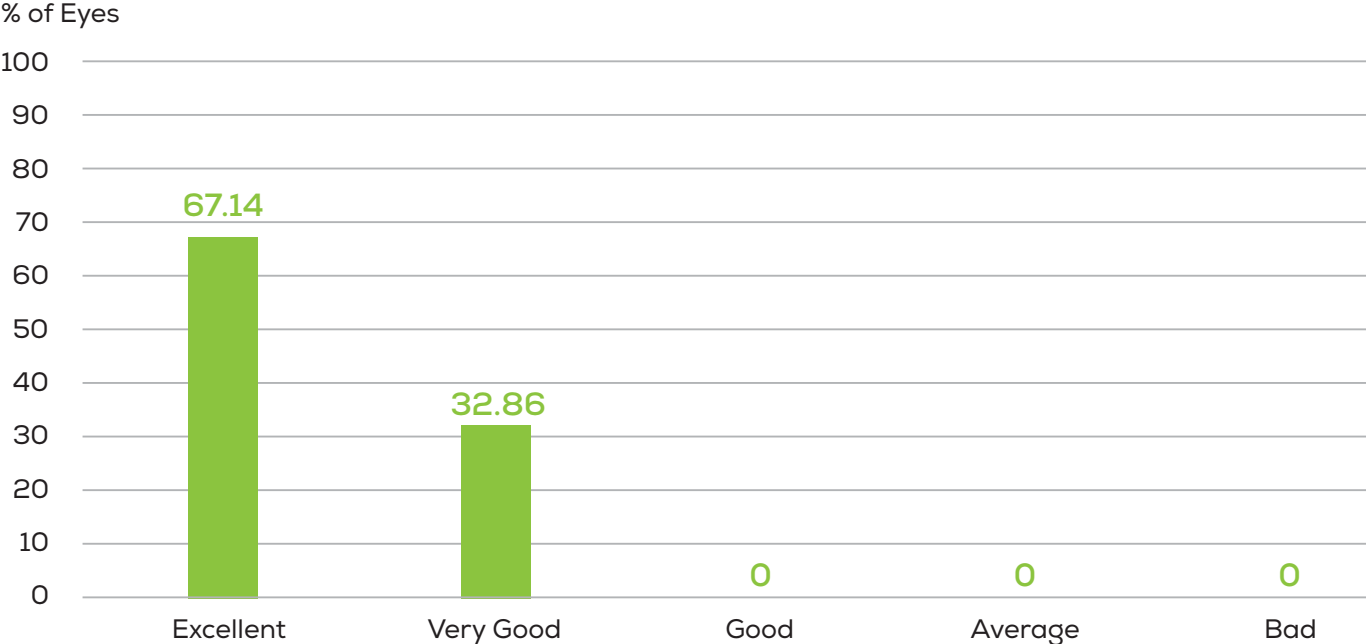
\*Data on file

# PATIENT SATISFACTION NEAR

100%

of subjects exhibit excellent and very good satisfaction for near distance vision

## NEAR DISTANCE n=81



■ Near distance

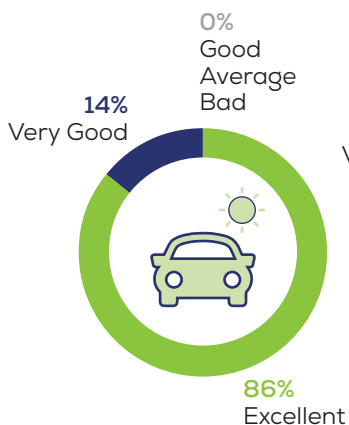
\*Data on file



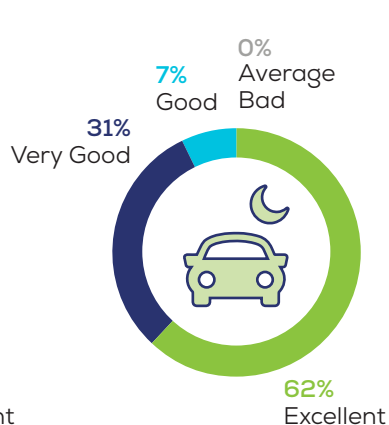
# PATIENT DAILY LIFE EXPERIENCE

Patients are happy with their day to day activities

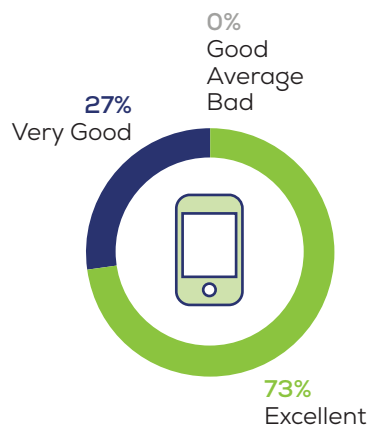
## DRIVING AT DAY



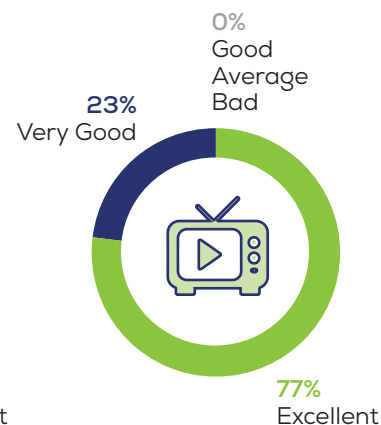
## DRIVING AT NIGHT



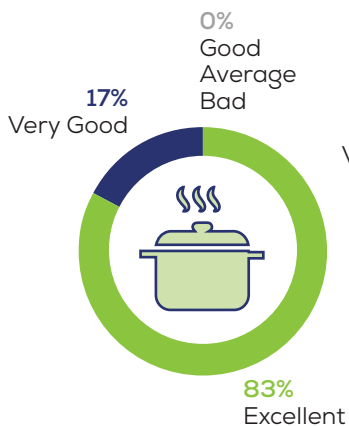
## USING MOBILE PHONE



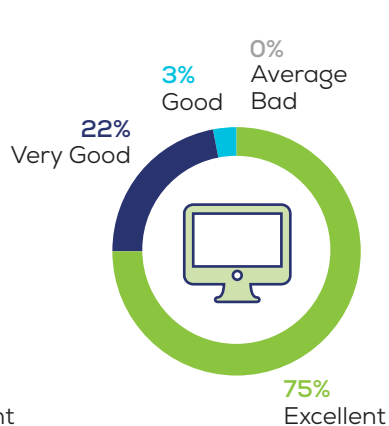
## WATCHING TELEVISION



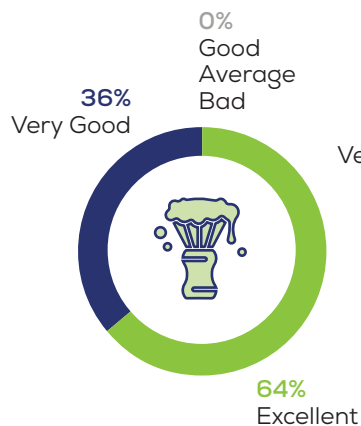
## COOKING



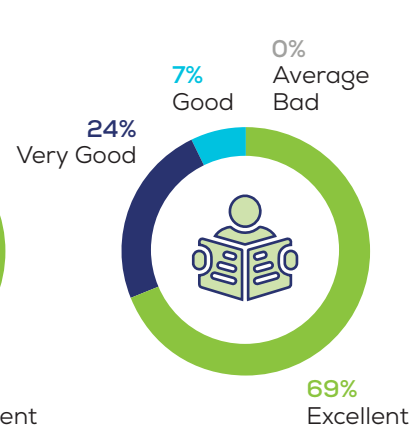
## USING COMPUTER



## SHAVING/MAKEUP



## READING NEWSPAPER

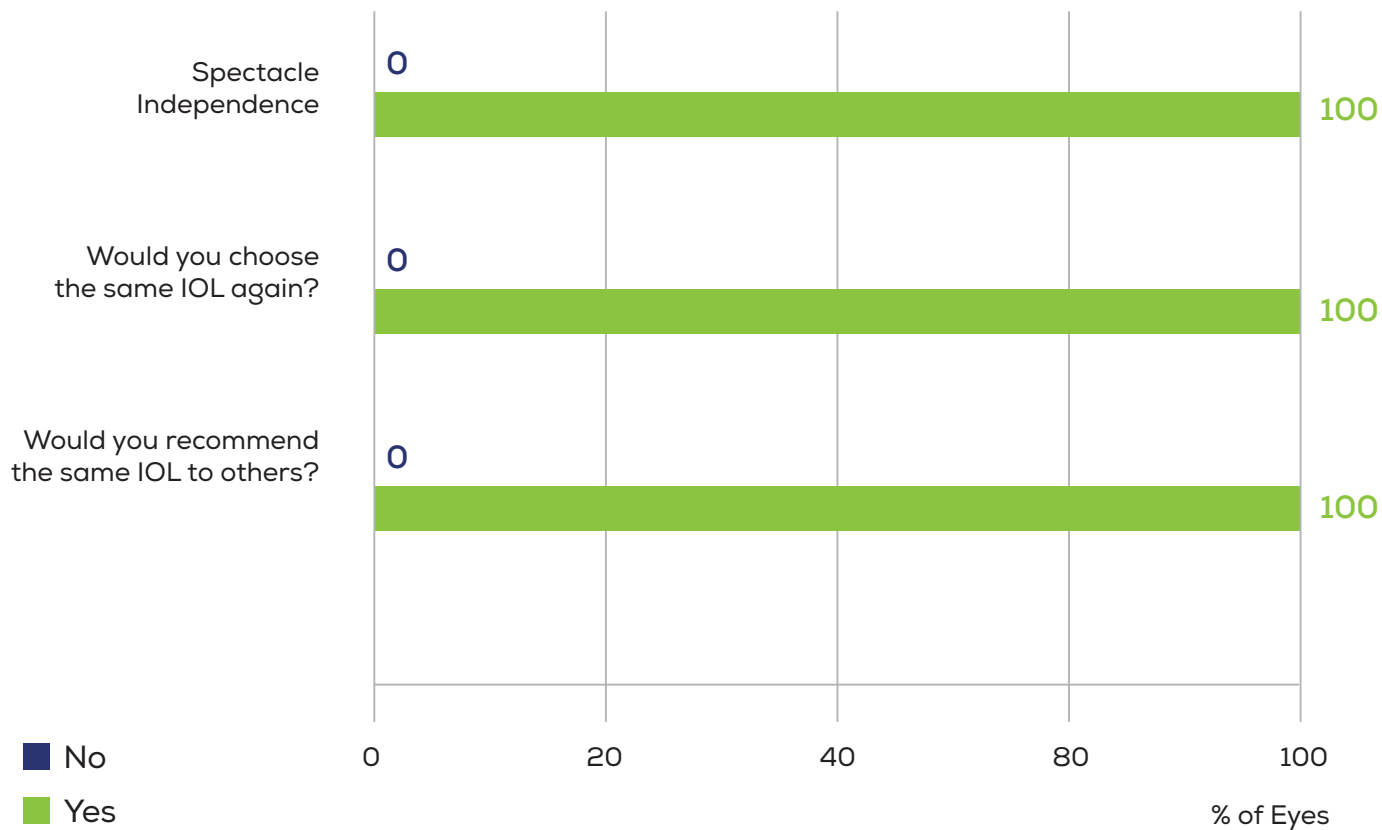


\*Data on file

# PATIENT SATISFACTION

Patients are highly satisfied with their daily activities and spectacle independence

## PATIENT SATISFACTION



# TECHNICAL SPECIFICATIONS

MODEL	3FLA6E	3FLA6ET
MATERIAL	Hydrophobic Acrylic Foldable material	
OPTIC TYPE	Single Piece, 360° Square Edge with Refractive Aspheric Optic	
OPTIC SIZE	6.00 mm	
OVERALL SIZE	13.00 mm	
ANGULATION	0°	
ACD	5.28	
REFRACTIVE INDEX	1.48	
RECOMMENDED ULTRASOUND A-CONSTANT	SRK-T 118.60	
RECOMMENDED OPTICAL A-CONSTANTS	SRK - T 119.00	SRK - II 119.40
	HOLLADAY 1 SF : 1.74	HOLLADAY 2 SF : 1.79
	HOFFER Q ACD: 5.52	Barrett 1.88
	HAIGIS a0:1.309, a1:0.400, a2:0.100	
DIOPTER RANGE	+7.0 D to +30.0 D (with 0.5 D step) & 0.00 D to +6.5 D and +30.5 D to +40.0 D will be available on customization on case to case basis	
CYLINDER RANGE (Toric Version)	1.0 D to 1.5 D (with 0.5 D step), 1.5 to 6.0 D (with 0.75 D step).	
	6.75 to 15.0 D (with 0.75 D step) customization as per manufacturing possibility	
IMPLANTATION SITE	Capsular Bag	
STERILIZATION	Irradiation	

To choose suitable 3FLA6ET model, please logon to





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