

Refractive Lenslet Array

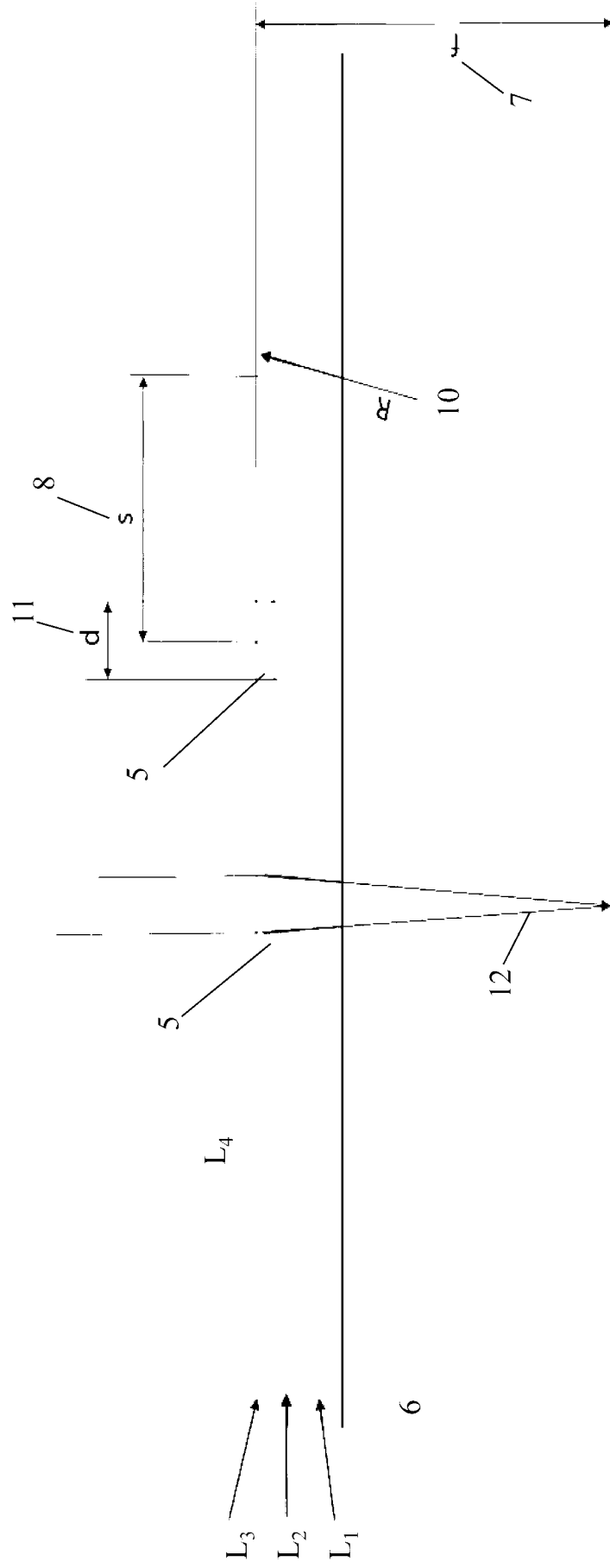
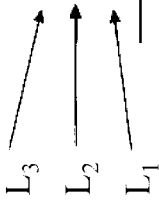


FIGURE 1A



2/93

Refractive Lenslet Array

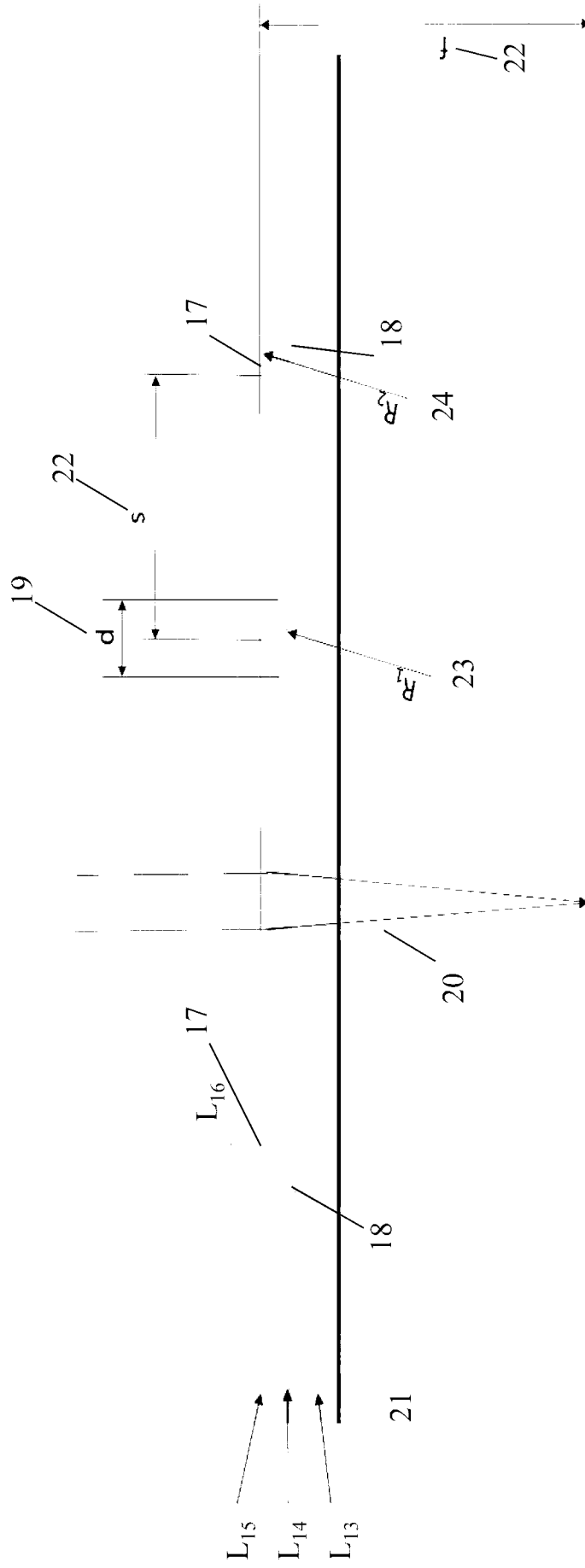
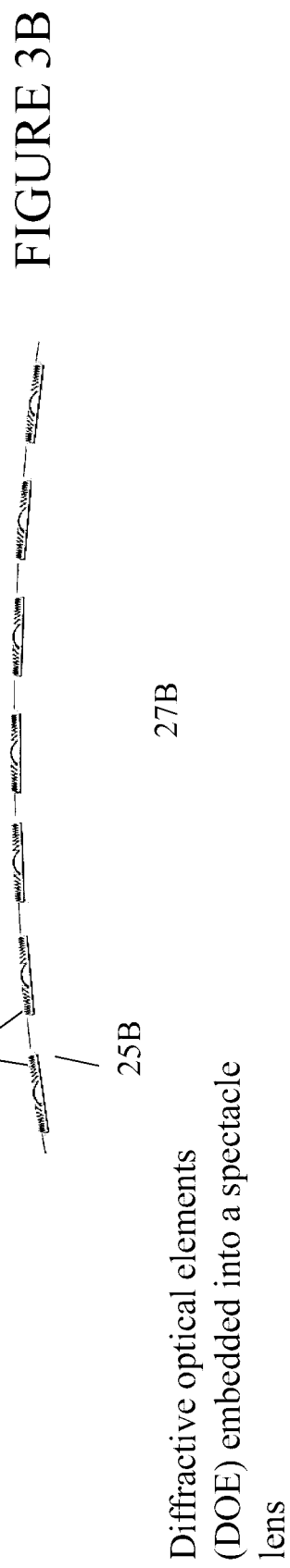
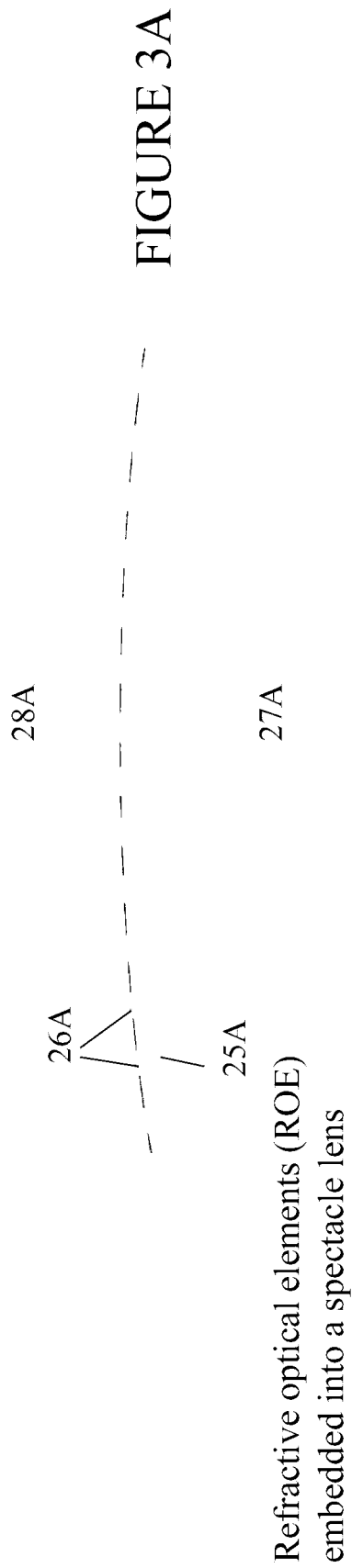
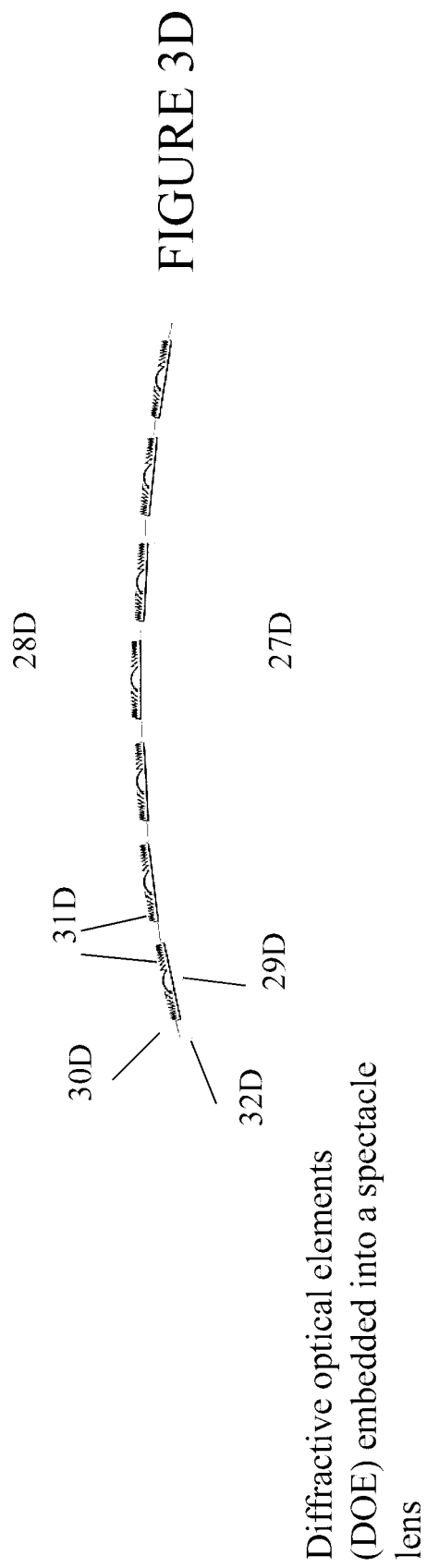
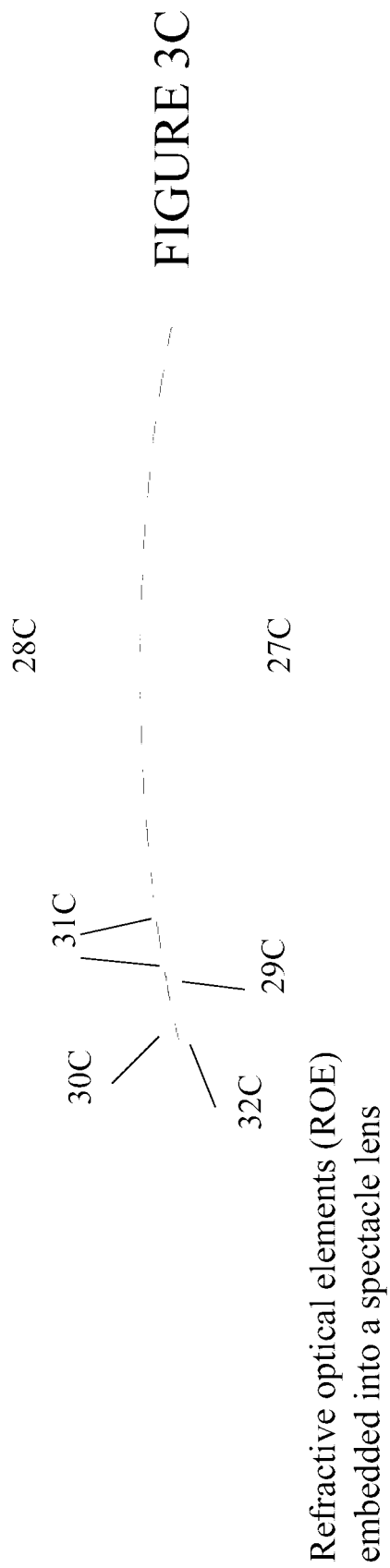


FIGURE 2





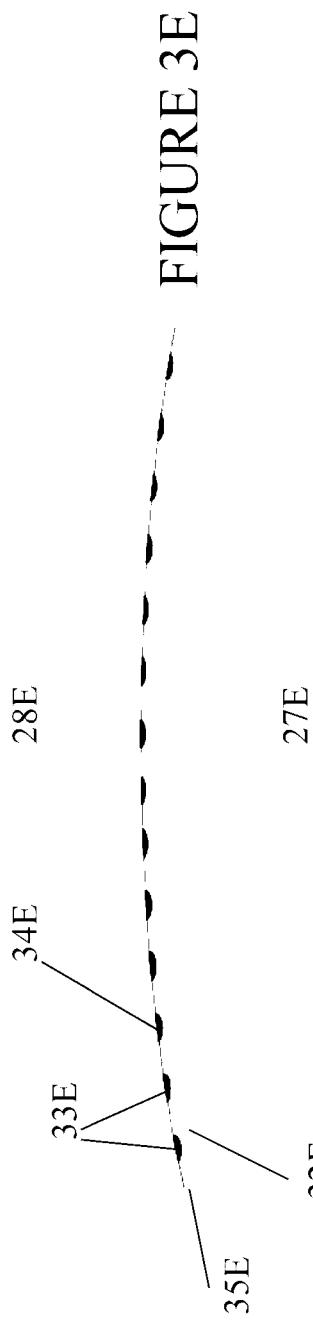


FIGURE 3E

Refractive optical elements (ROE) embedded into a spectacle lens

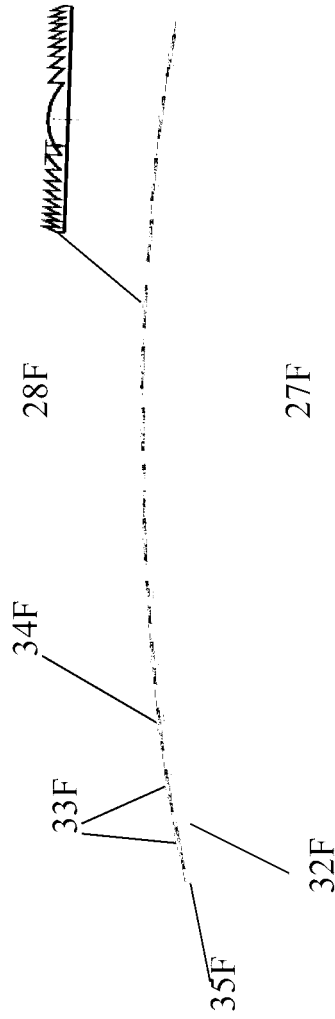


FIGURE 3F

Diffractive optical elements (DOE) embedded into a spectacle lens

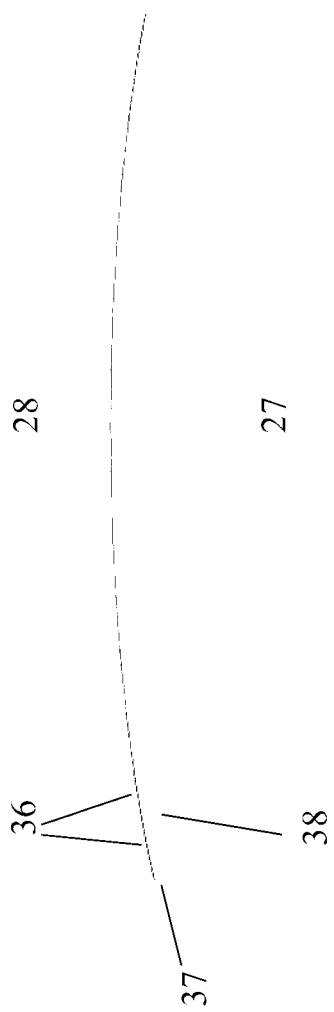


FIGURE 3G

Refractive optical elements (ROE)
embedded into a spectacle lens

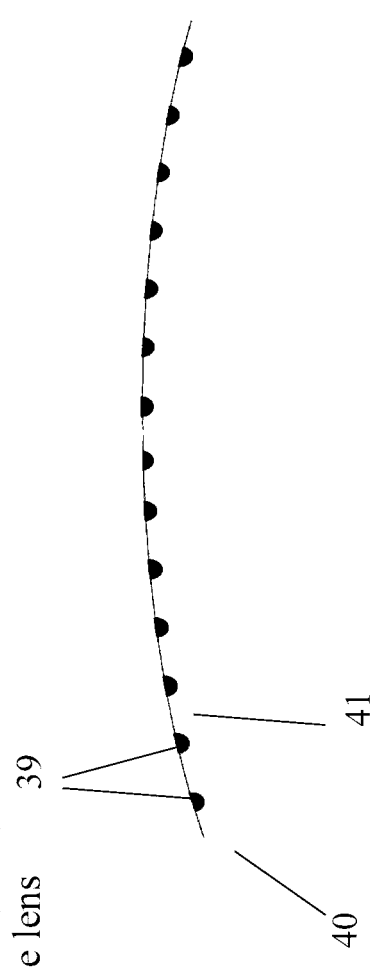


FIGURE 3H

Spectacle Lens + Film with Optical Elements (Refractive or diffractive)

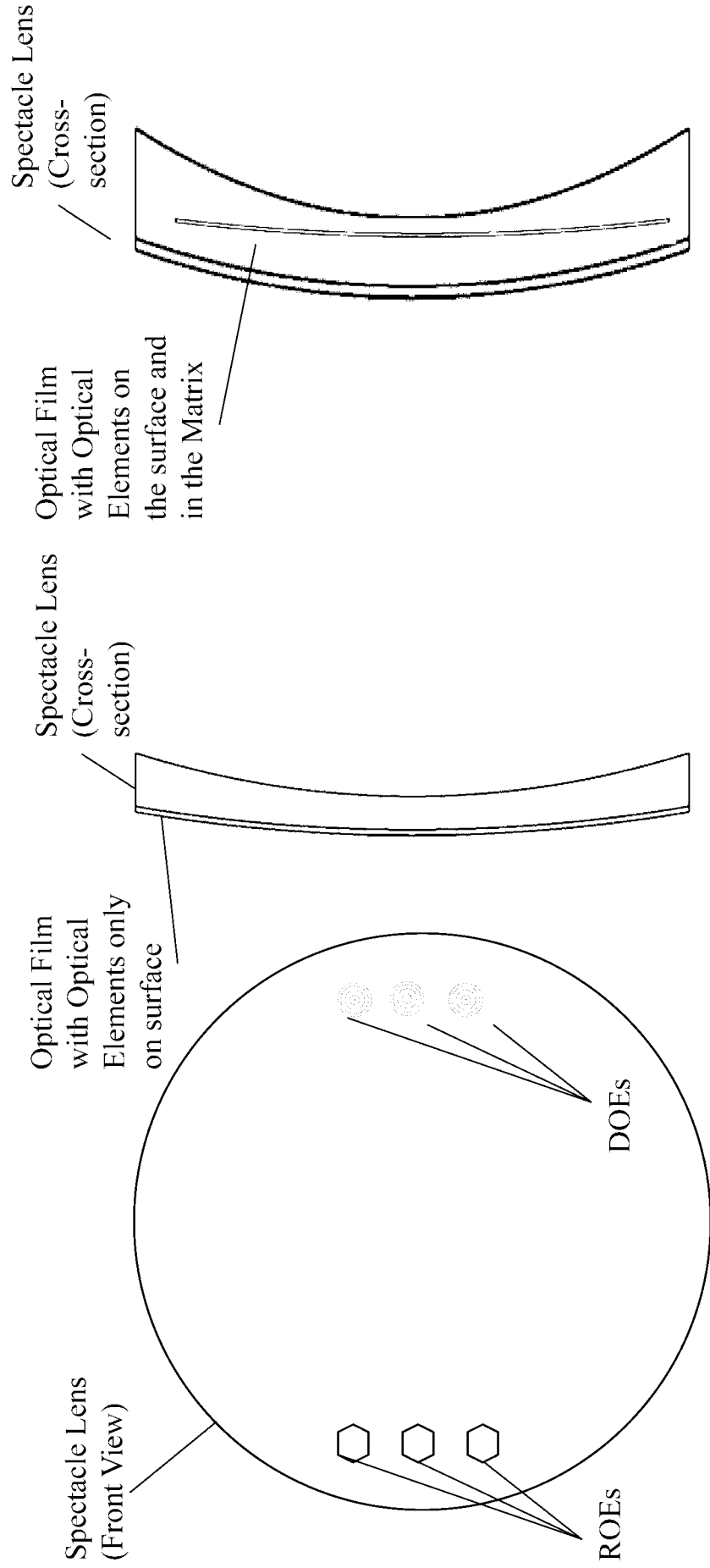


FIGURE 3I

FIGURE 3J

FIGURE 3K

Optical thin
Film loaded
with Optical
Elements
(Cross-
section)

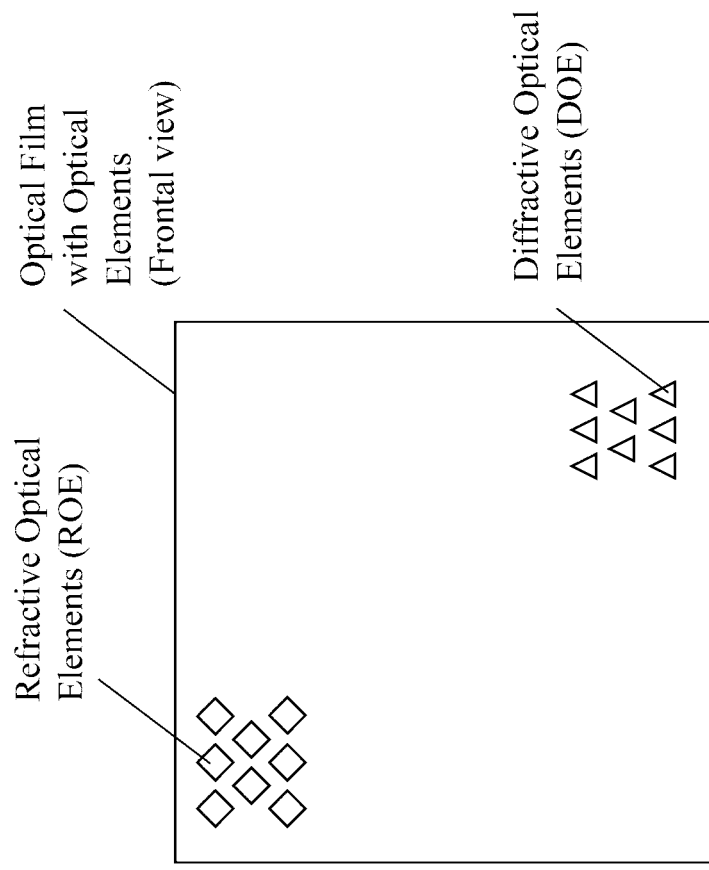


FIGURE 3L

FIGURE 3M

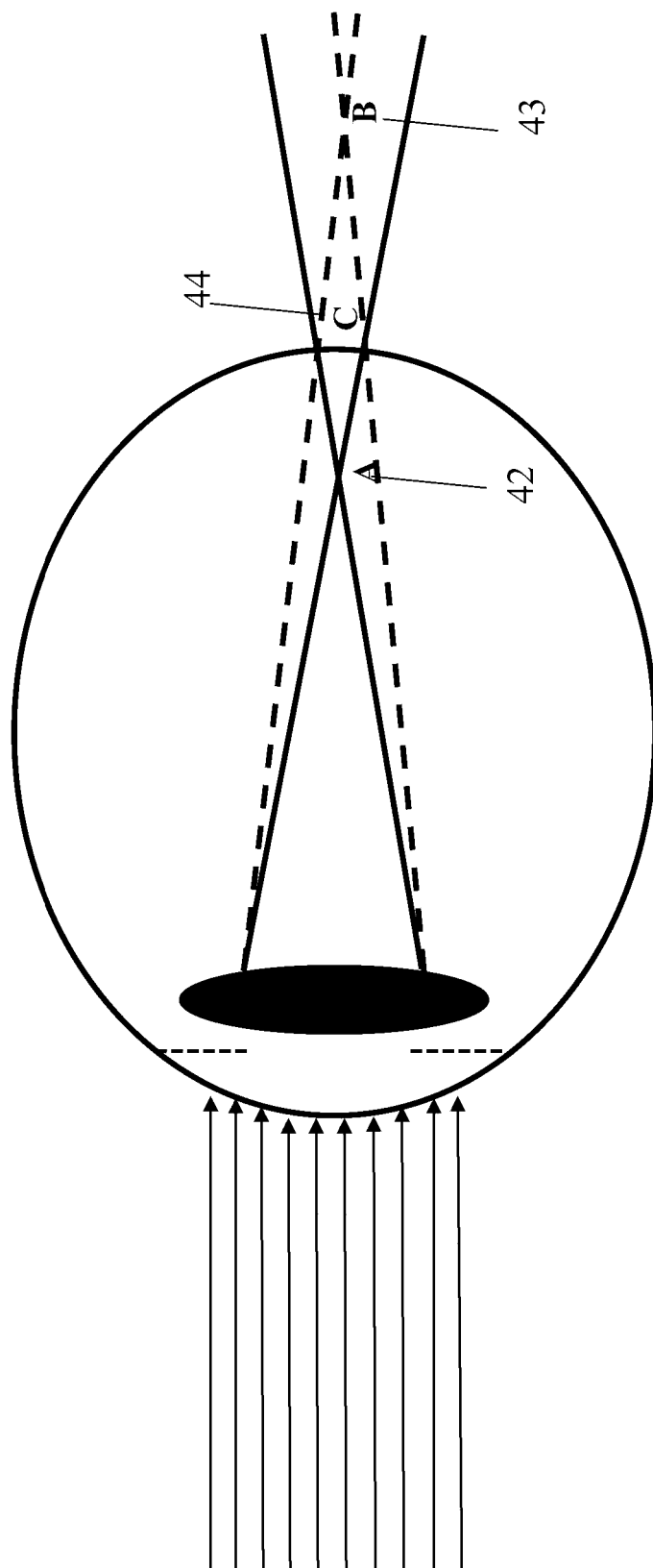


FIGURE 4

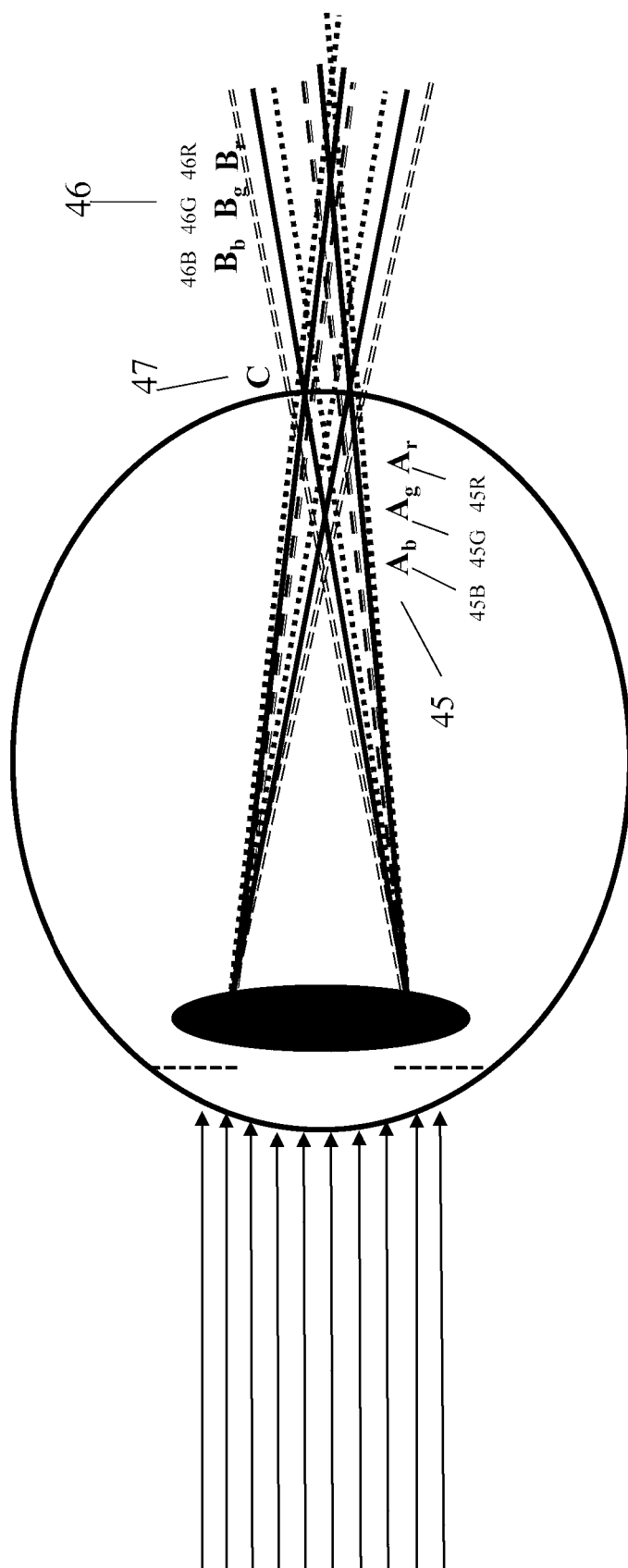


FIGURE 5

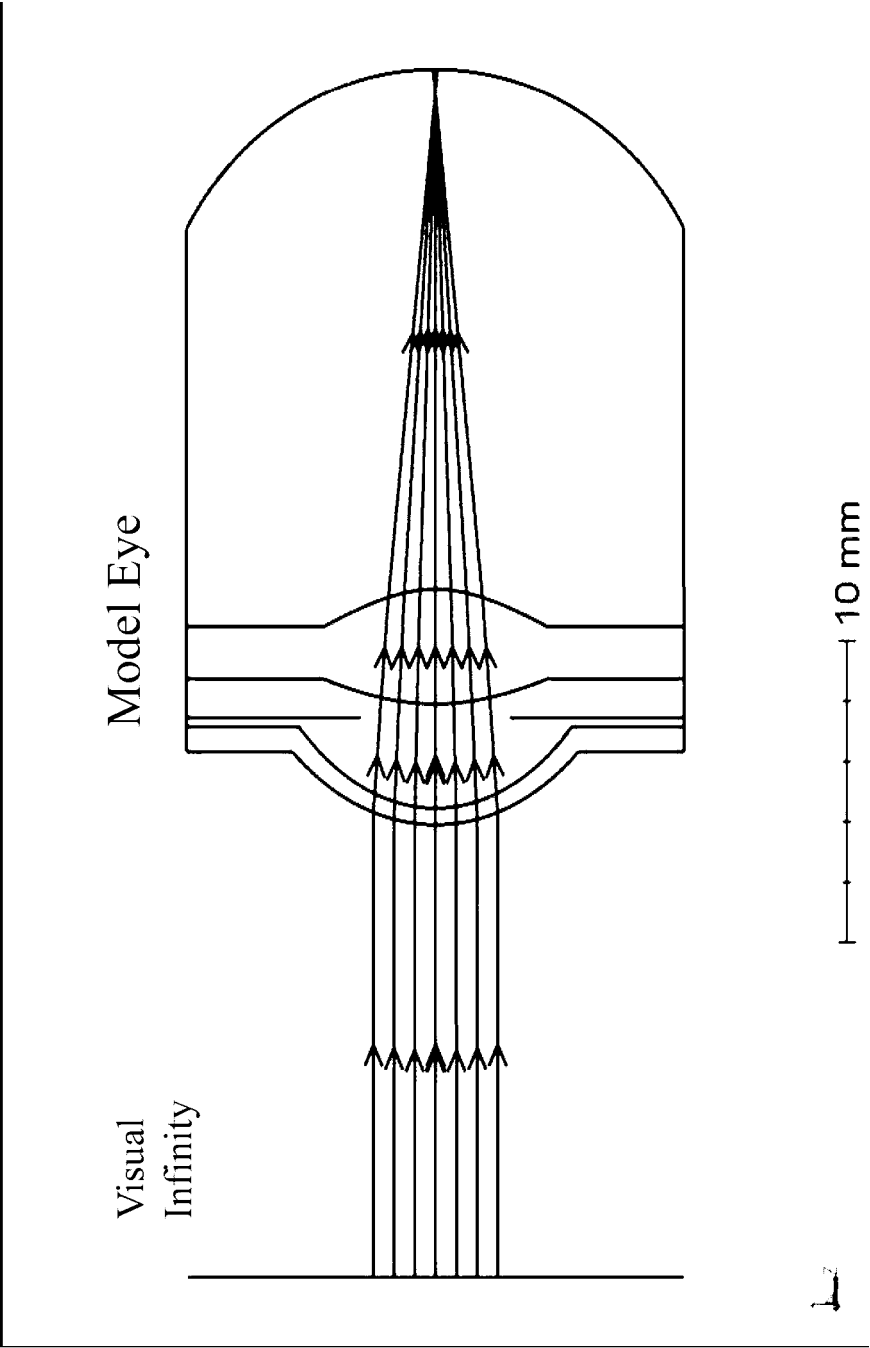


FIGURE 6A

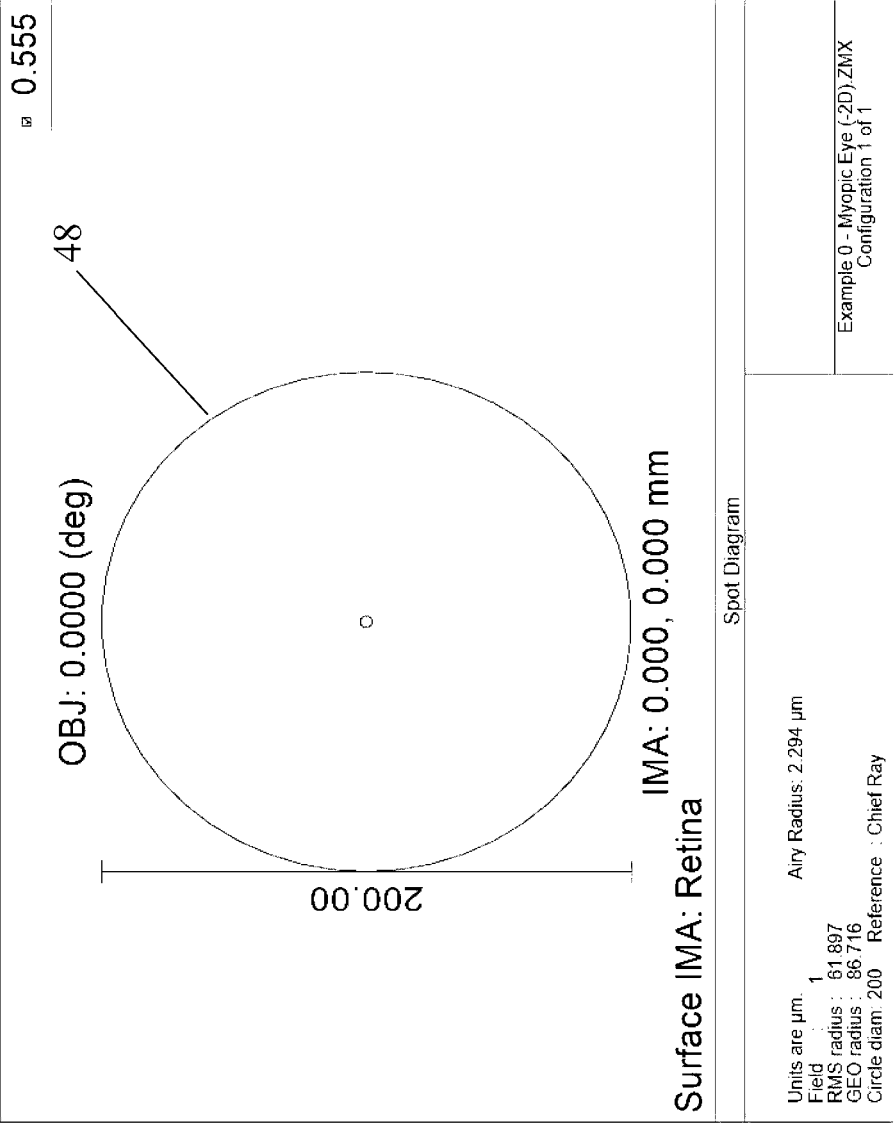


FIGURE 6B

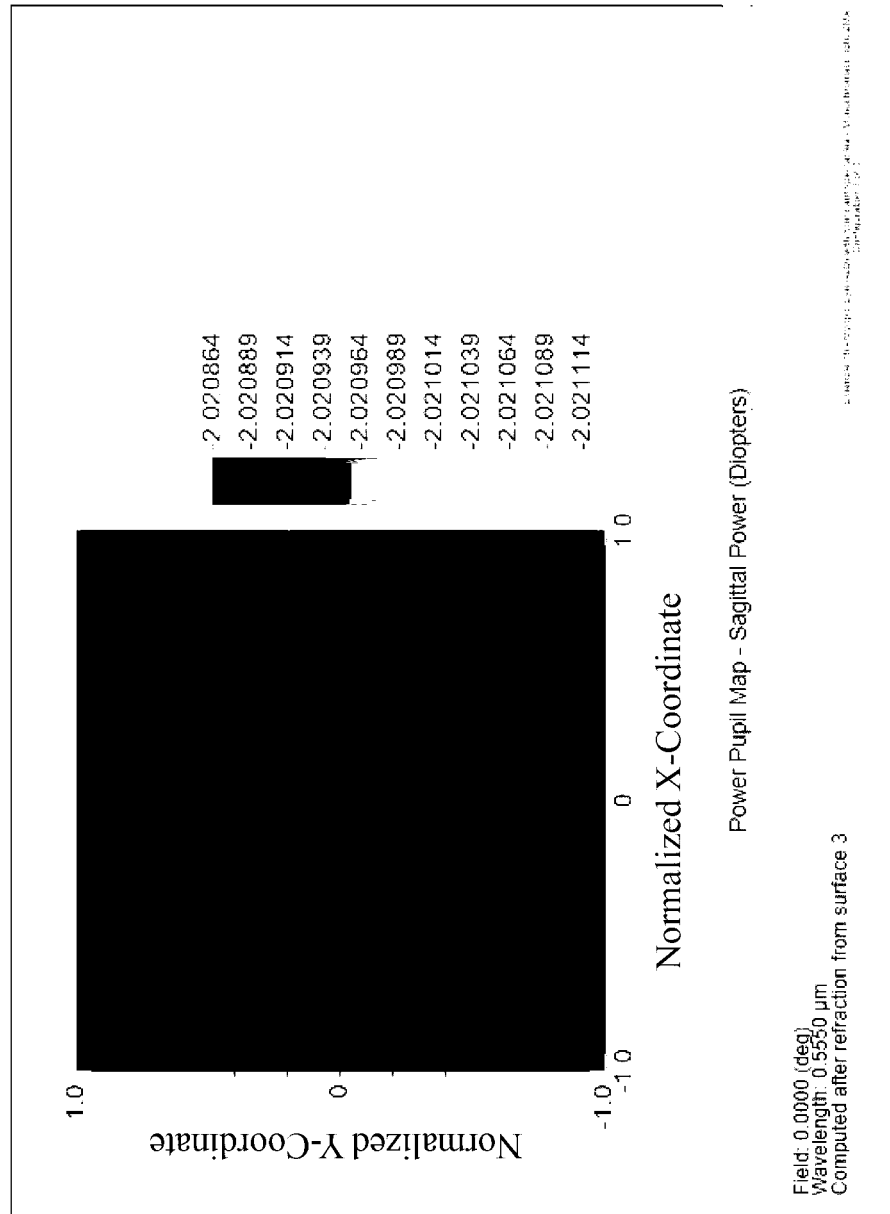


FIGURE 7

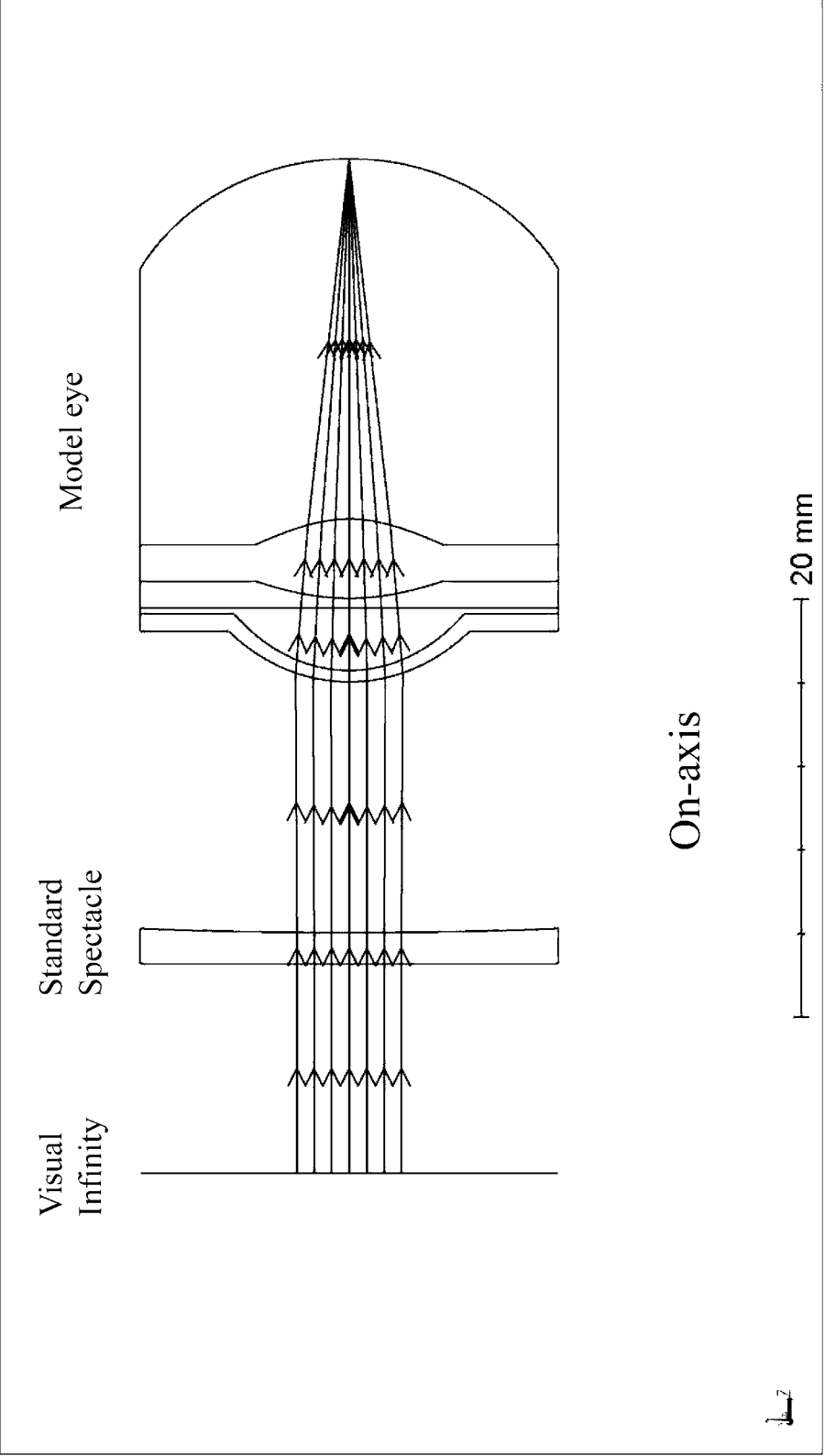


FIGURE 8A

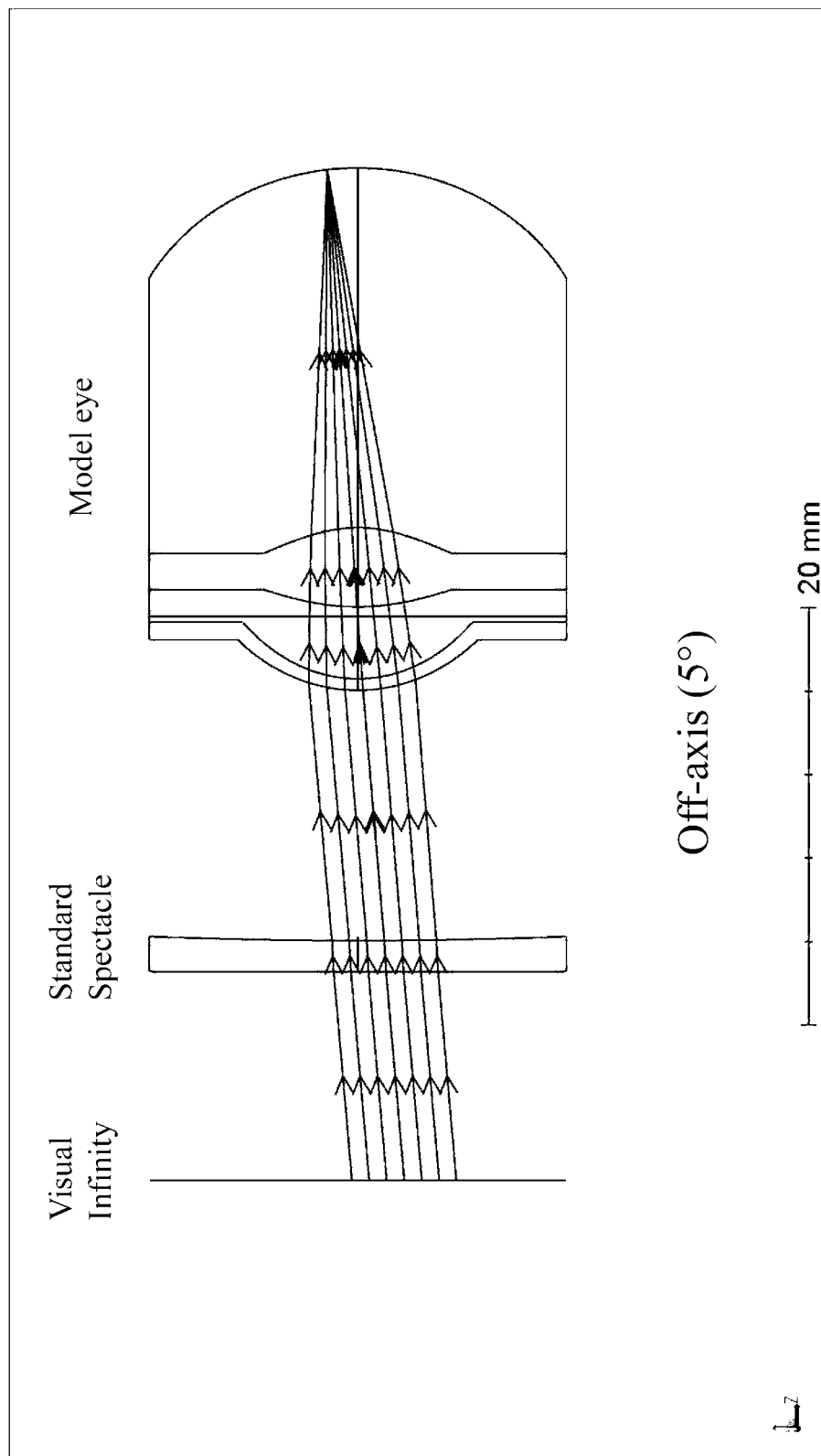


FIGURE 8B

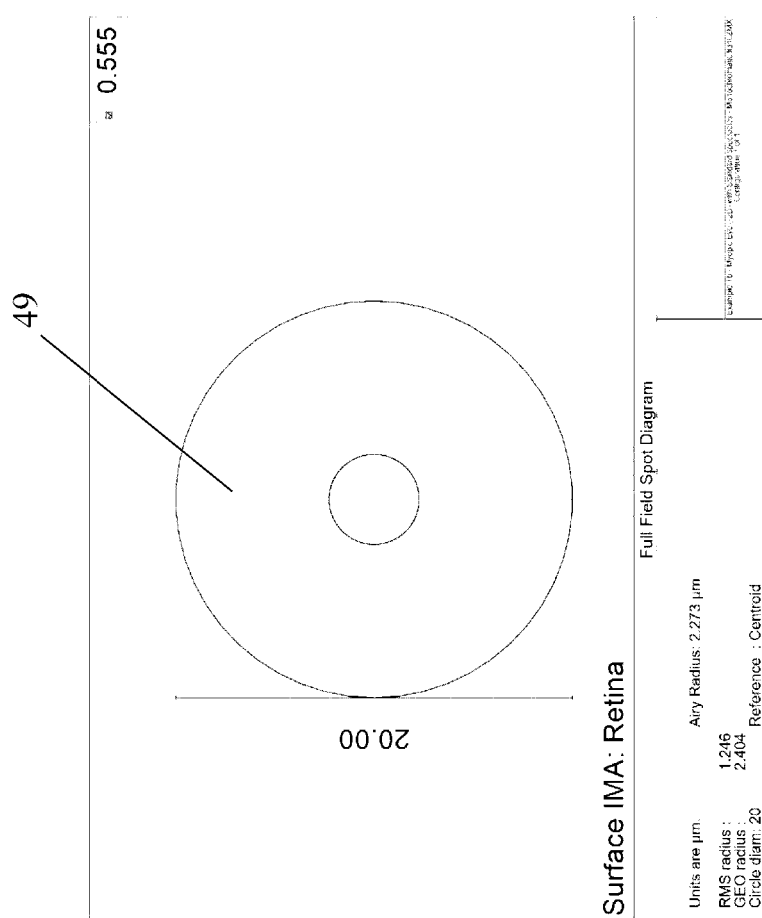


FIGURE 8C

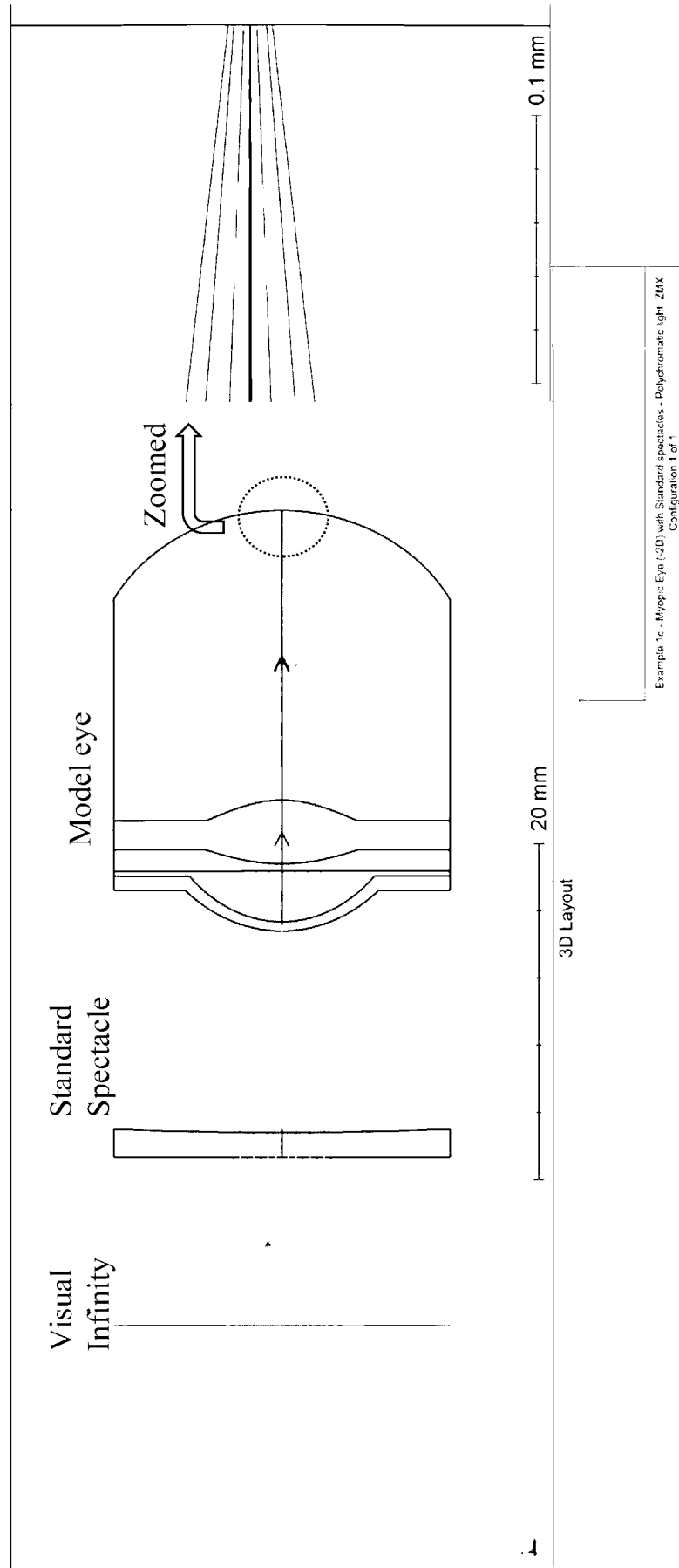


FIGURE 9

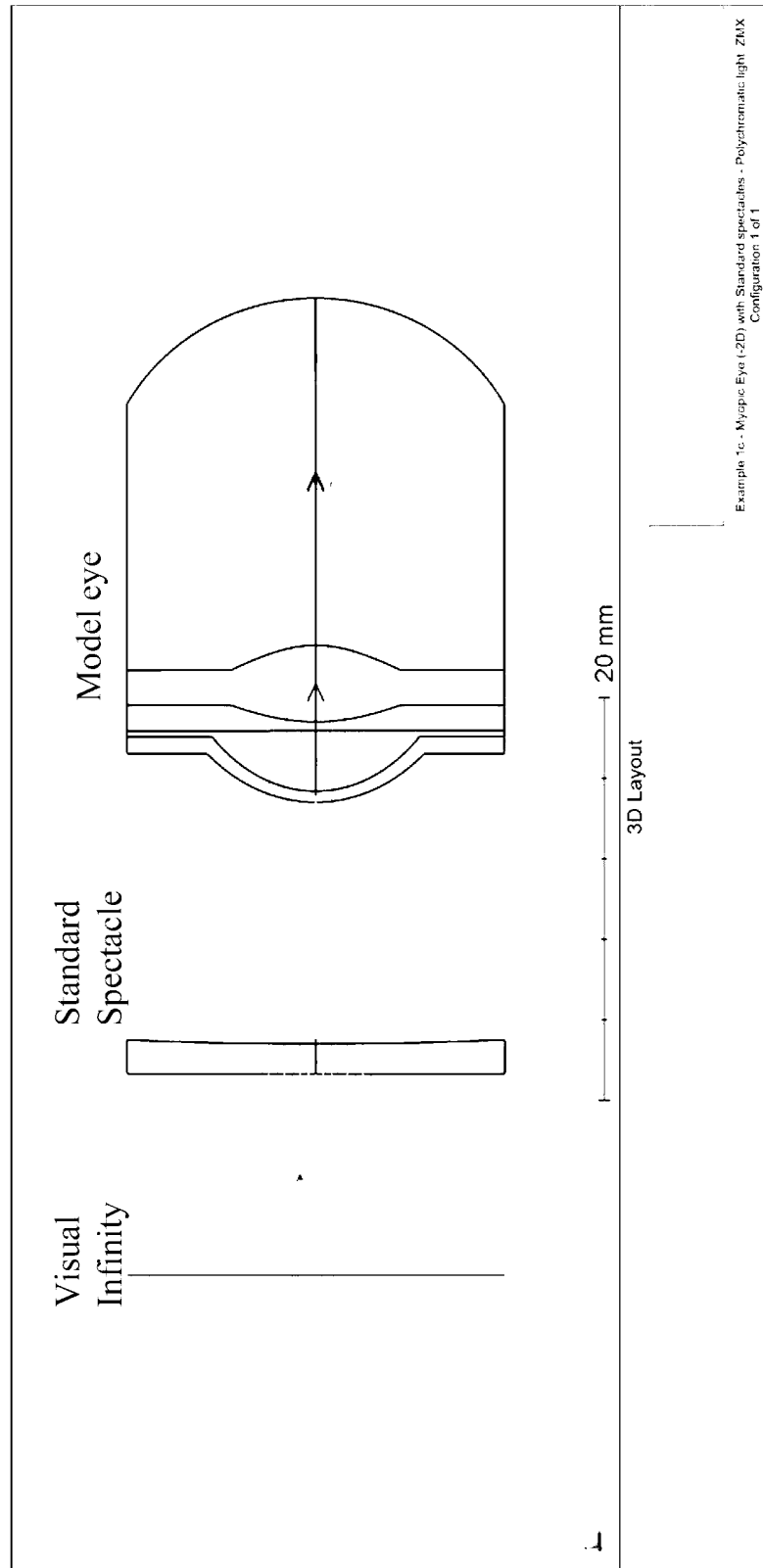
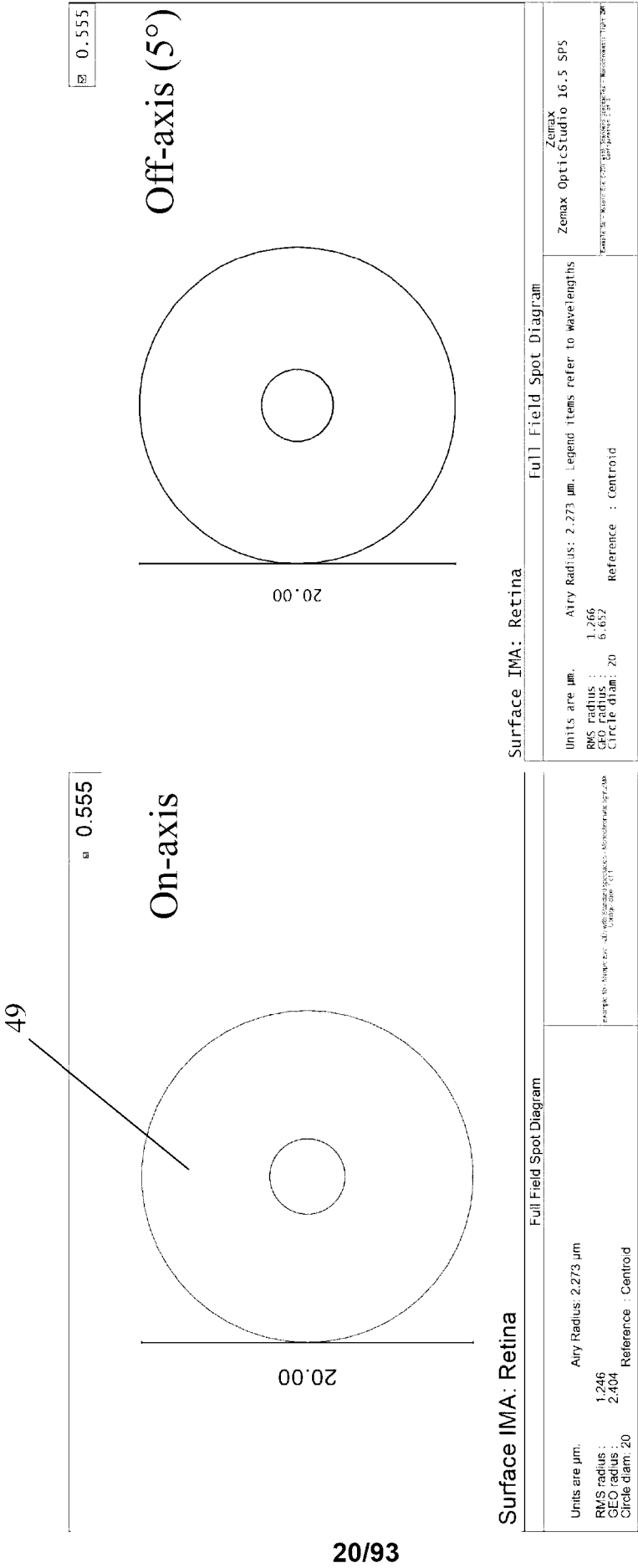


FIGURE 10A



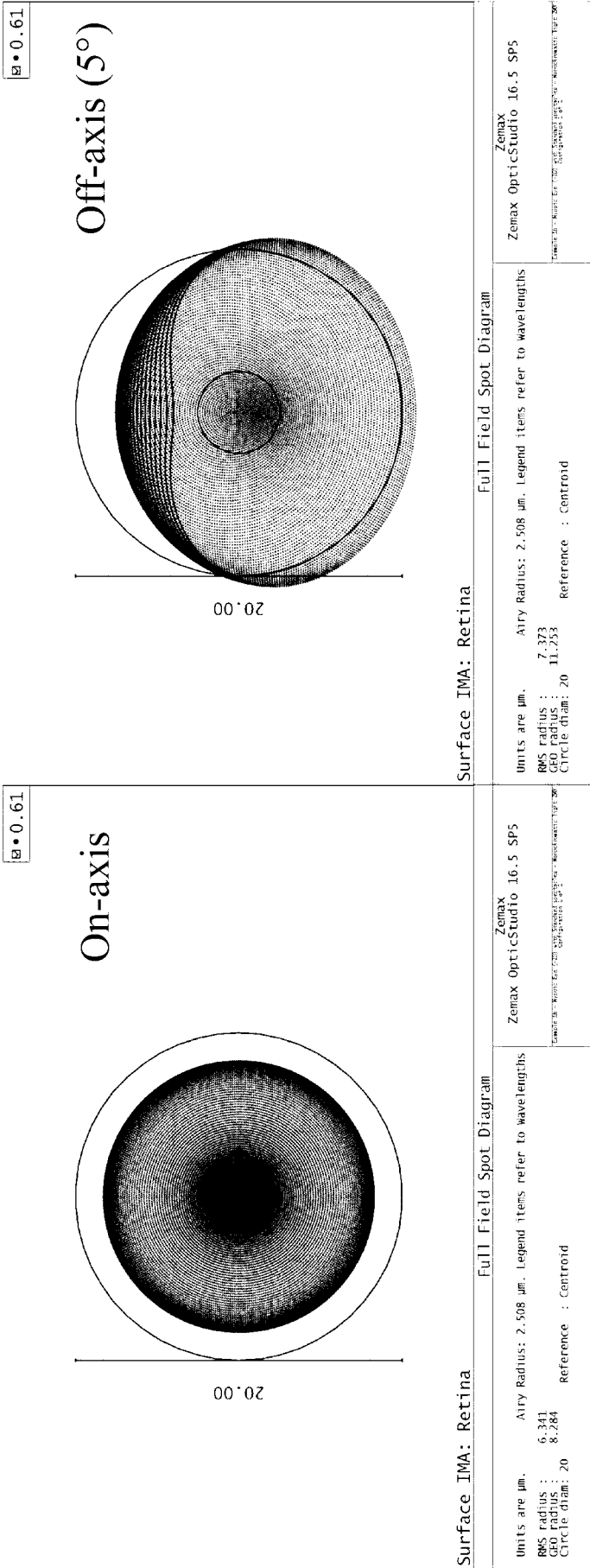


FIGURE 10D

FIGURE 10E

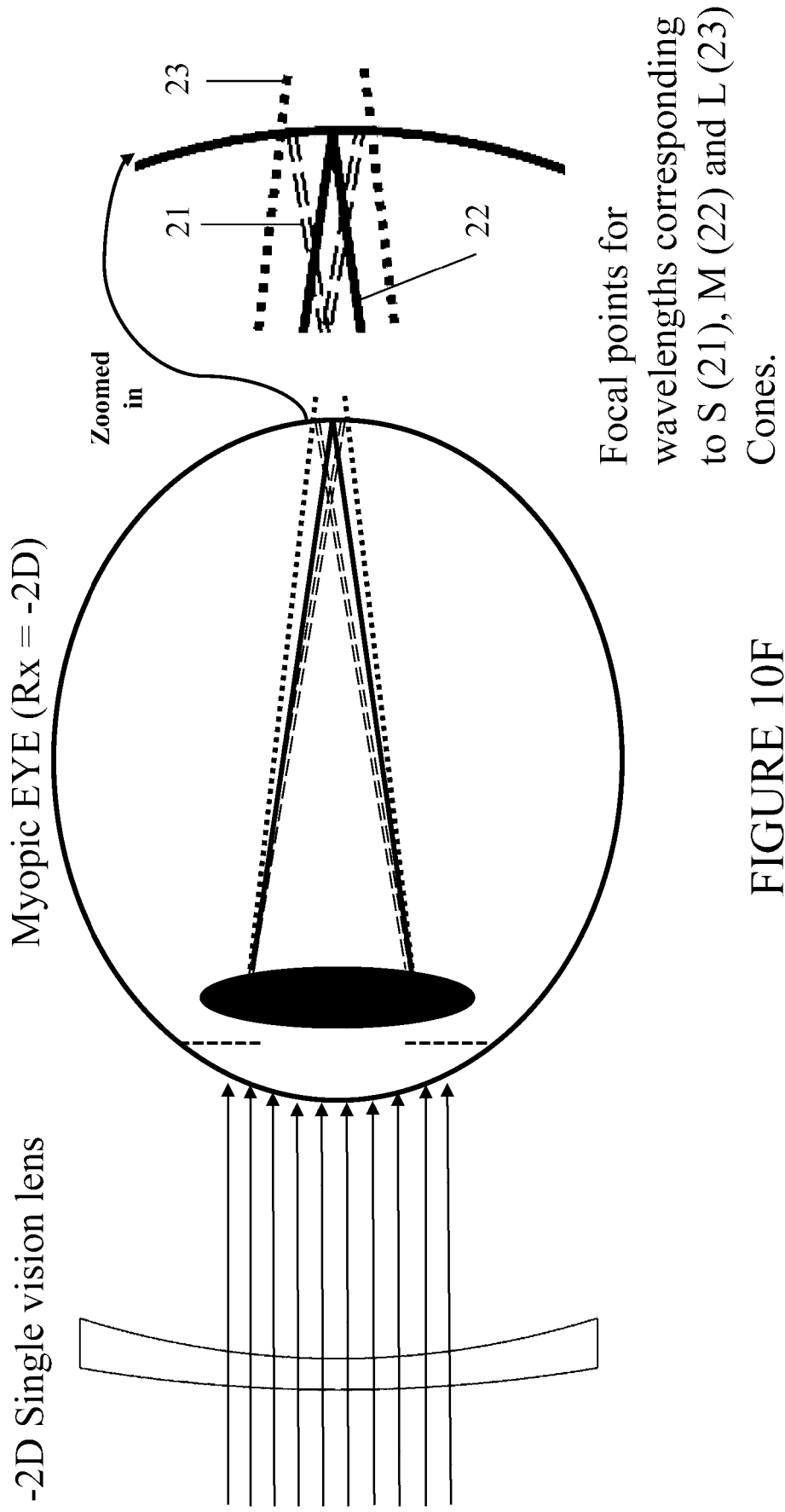


FIGURE 10F

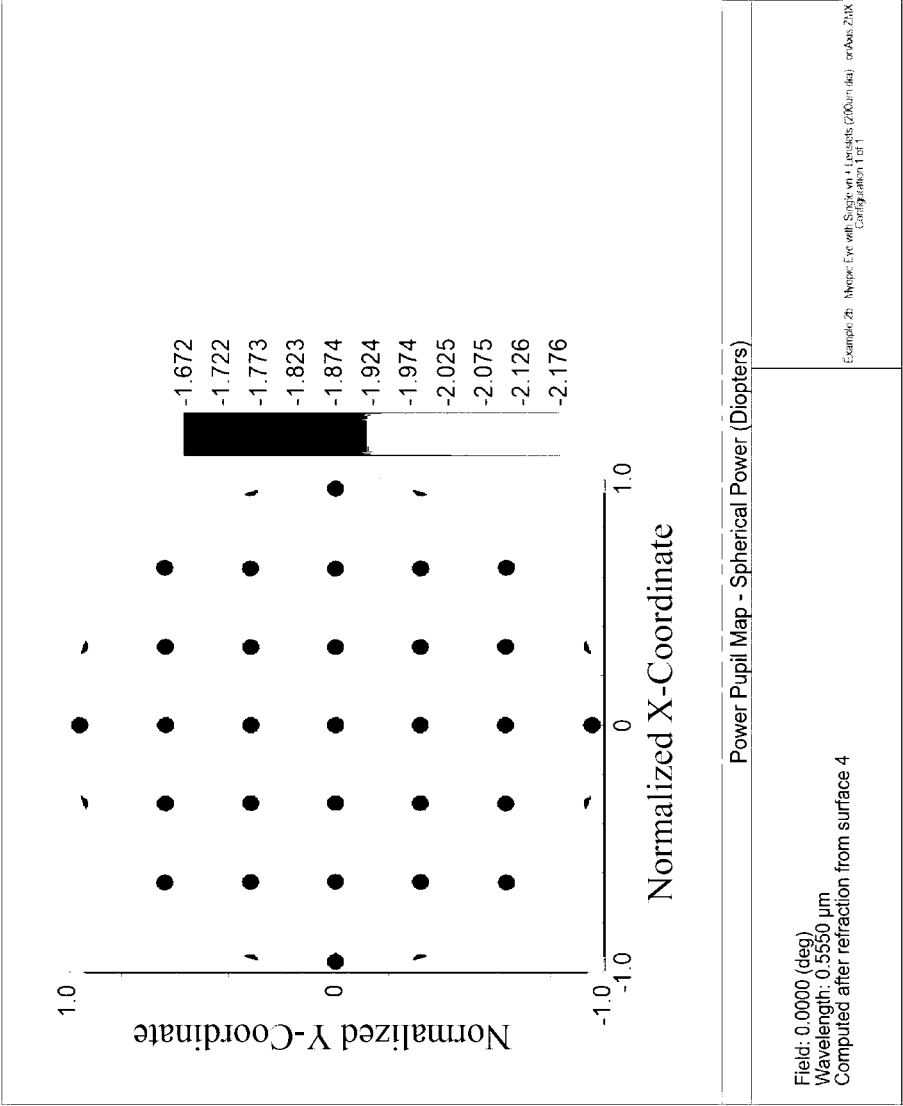


FIGURE 11A

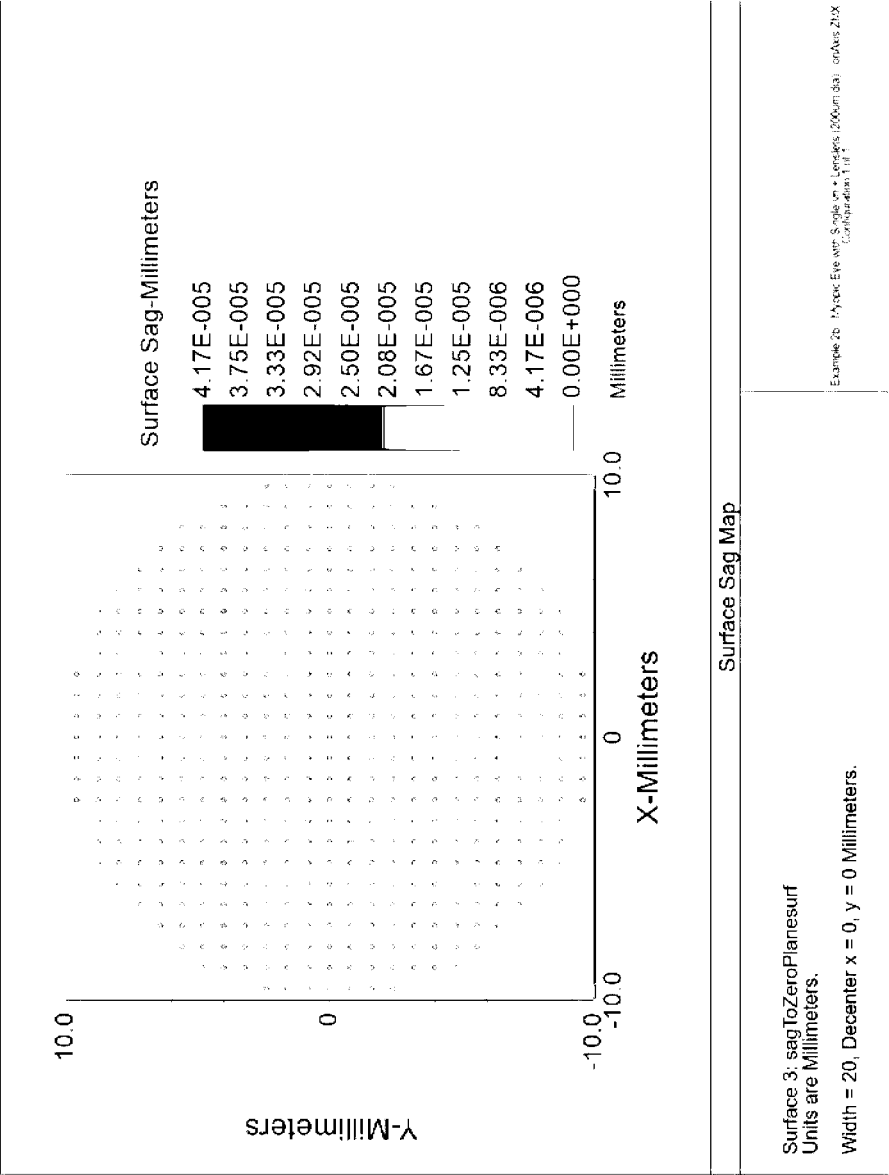


FIGURE 11B

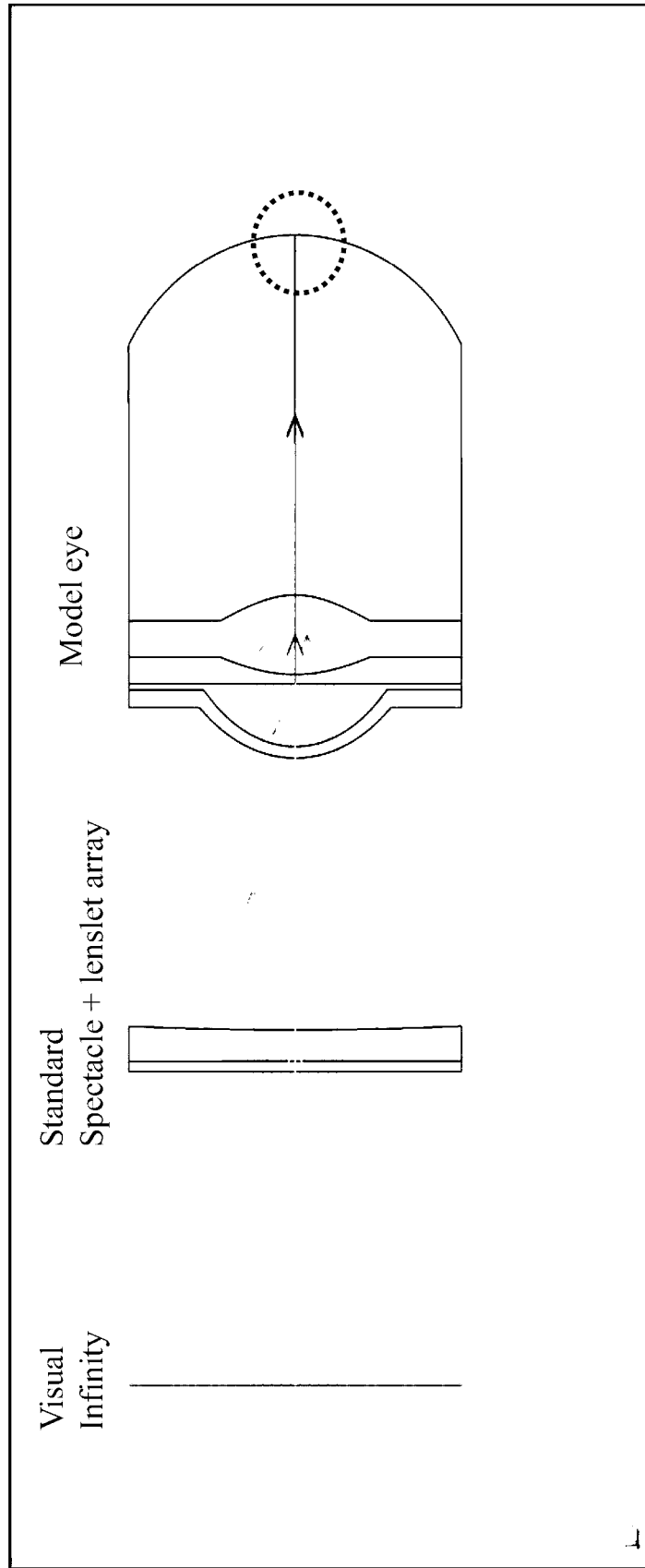


FIGURE 12A

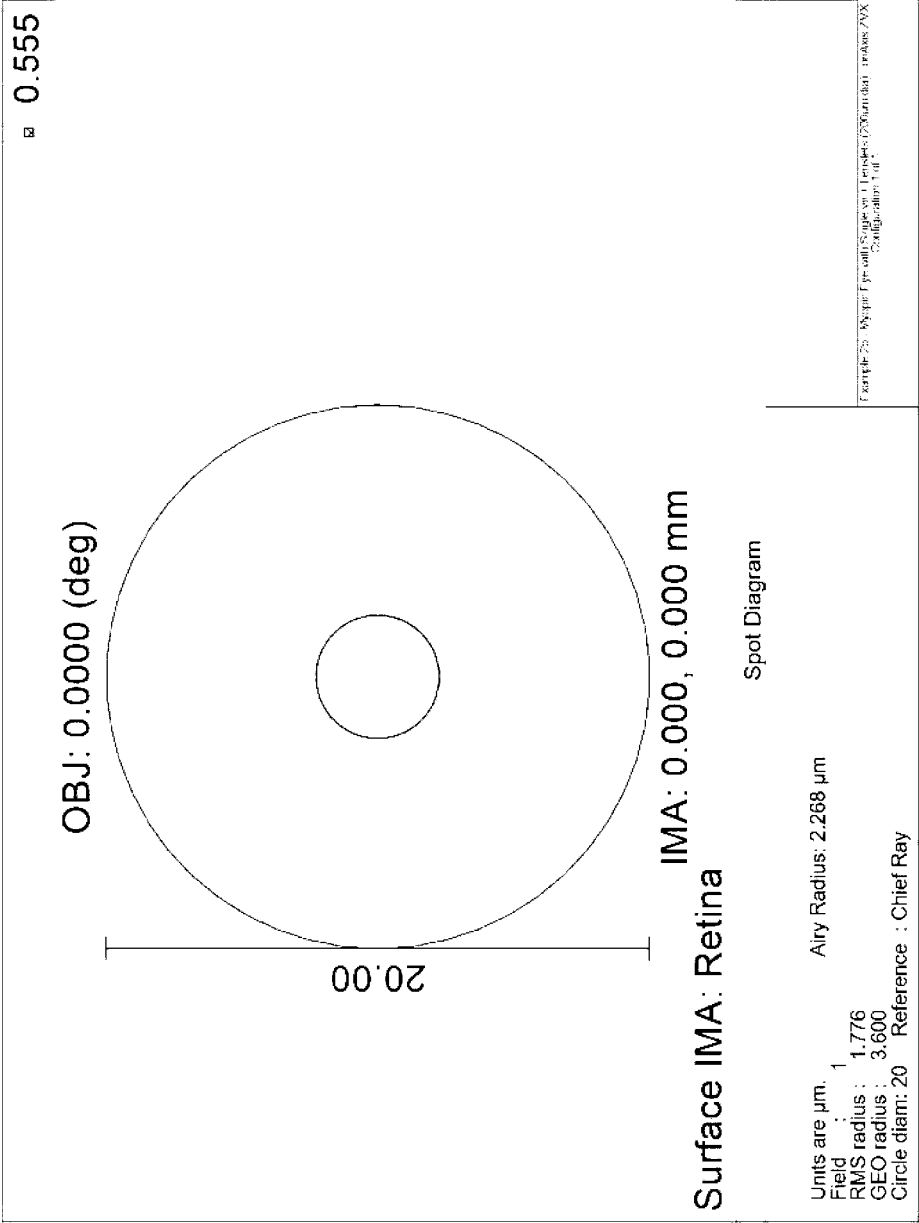


FIGURE 12B

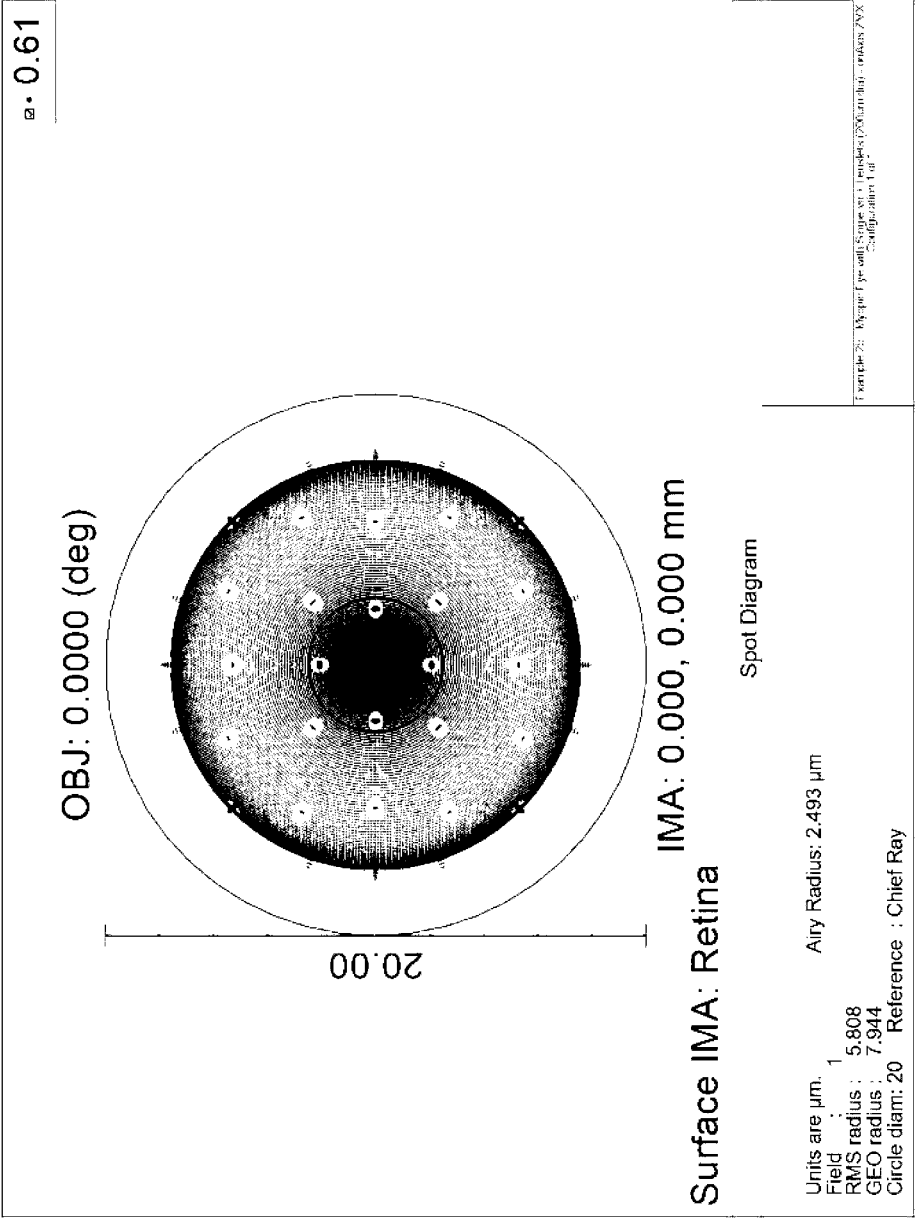


FIGURE 12C

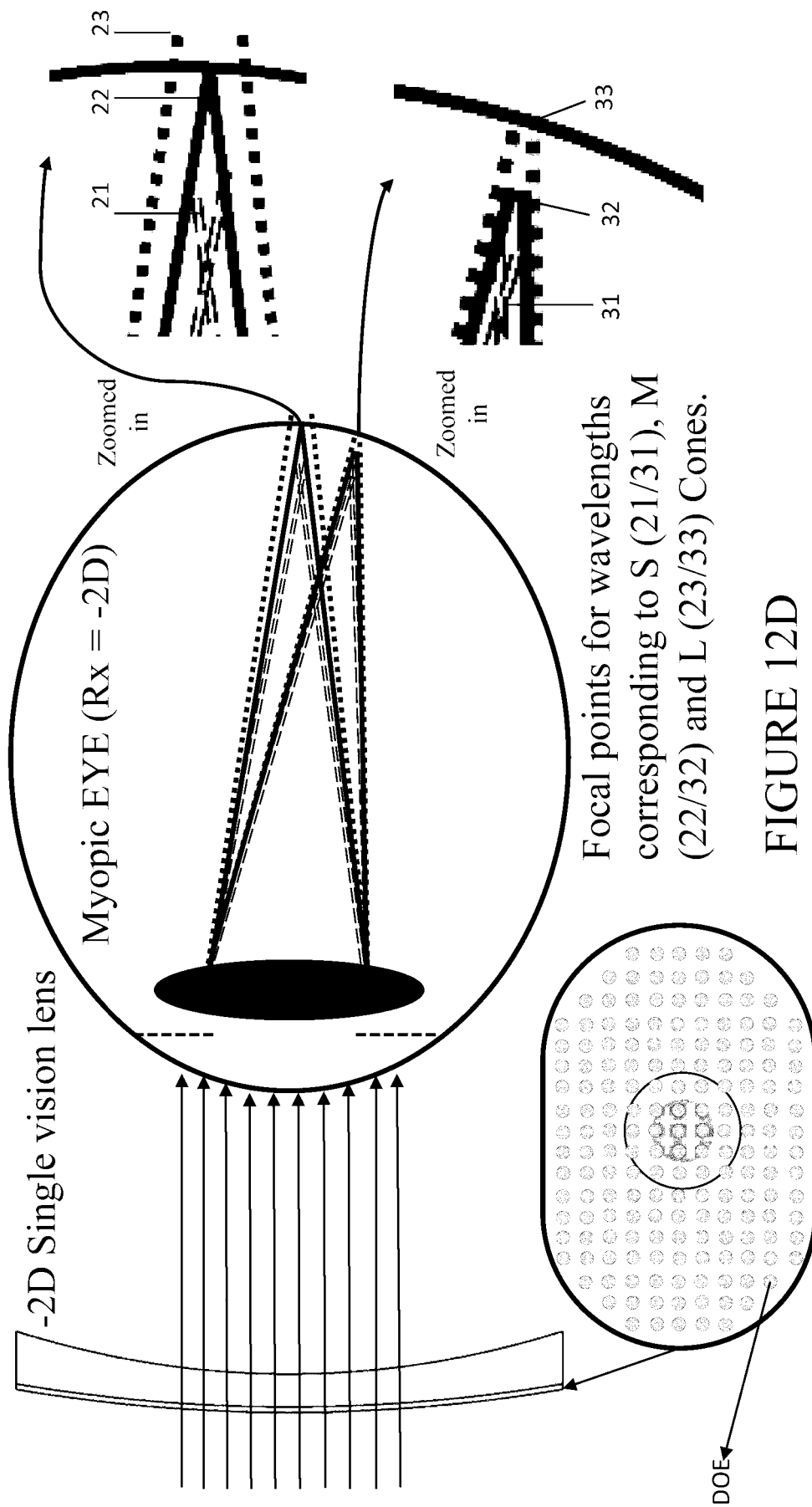
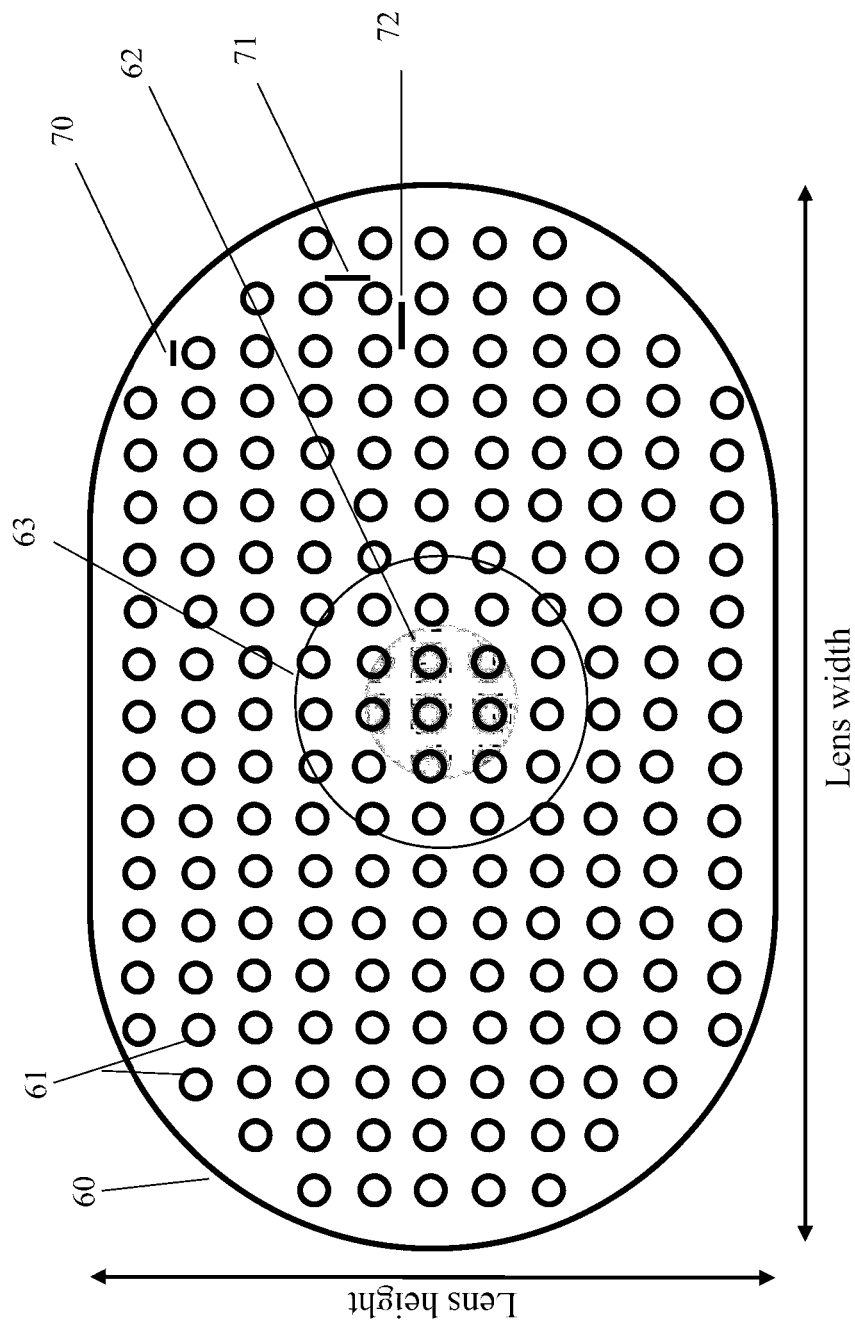
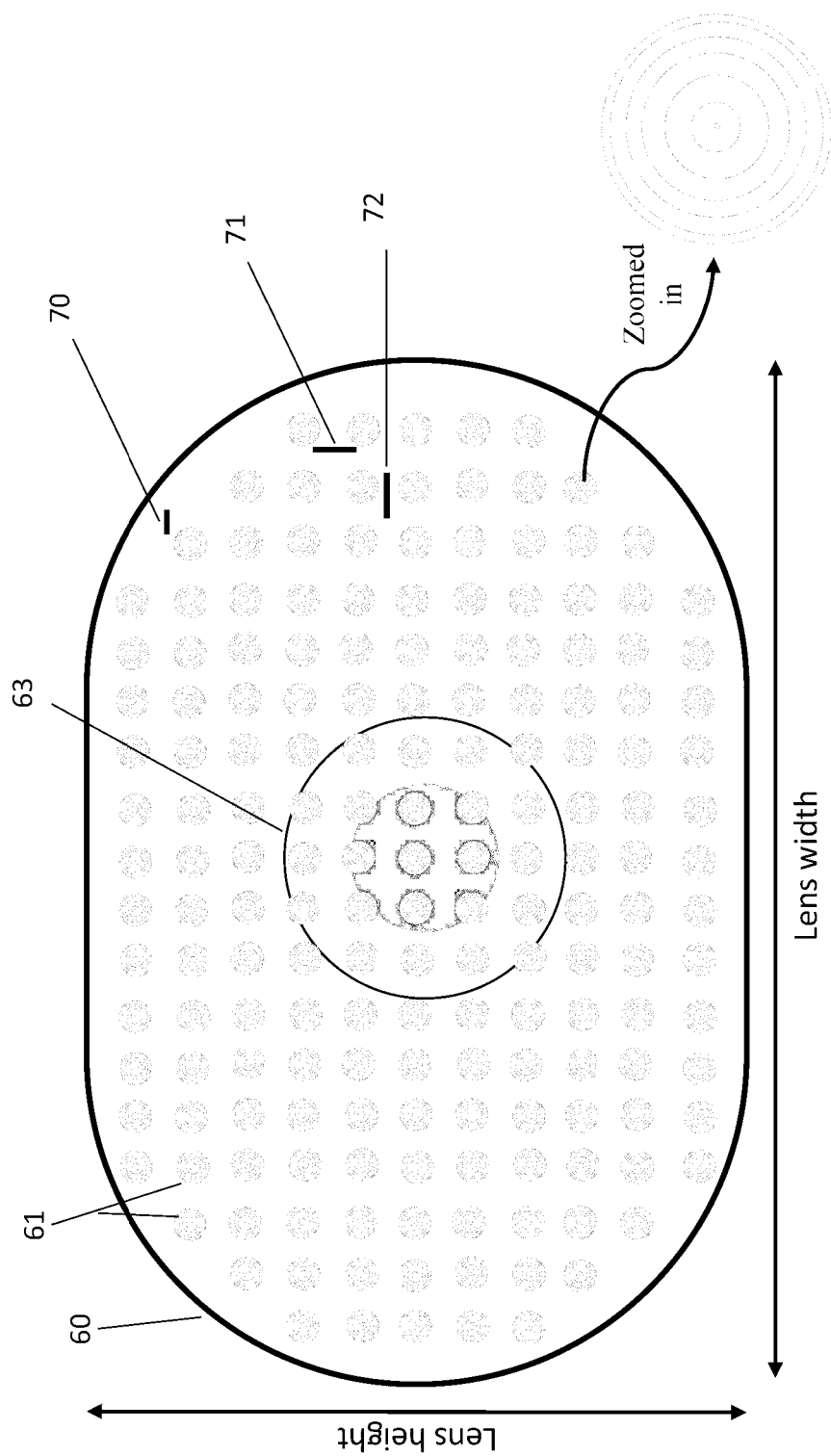


FIGURE 12D



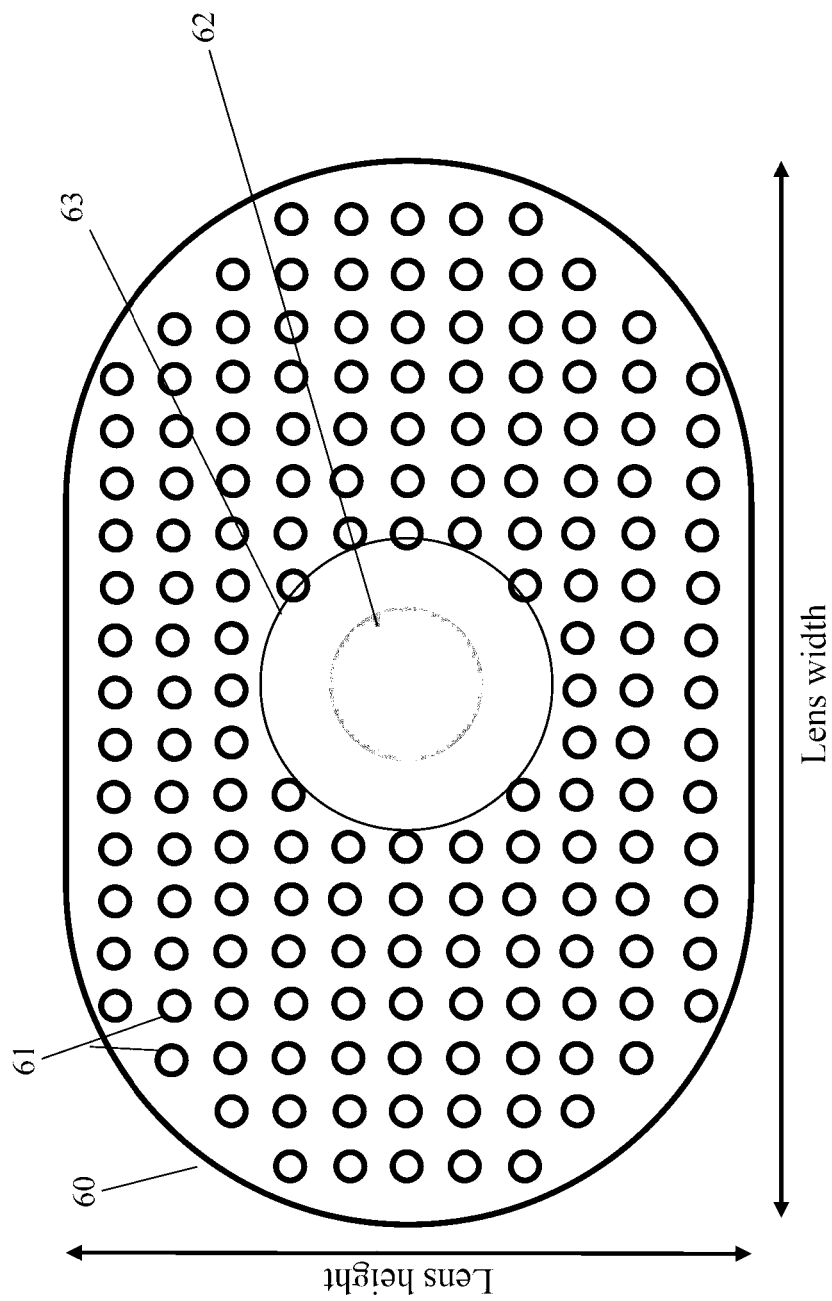
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 13A



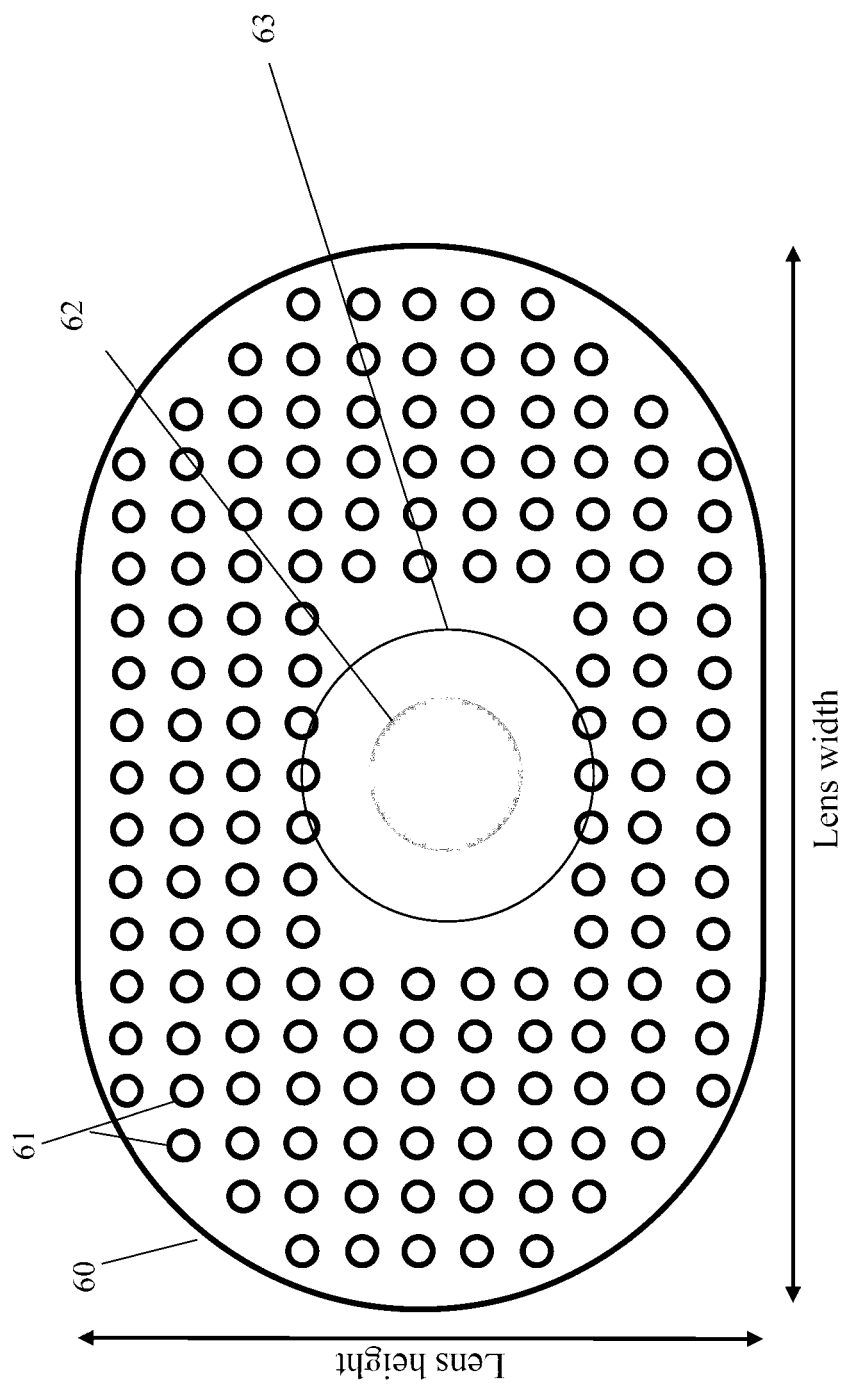
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 13B



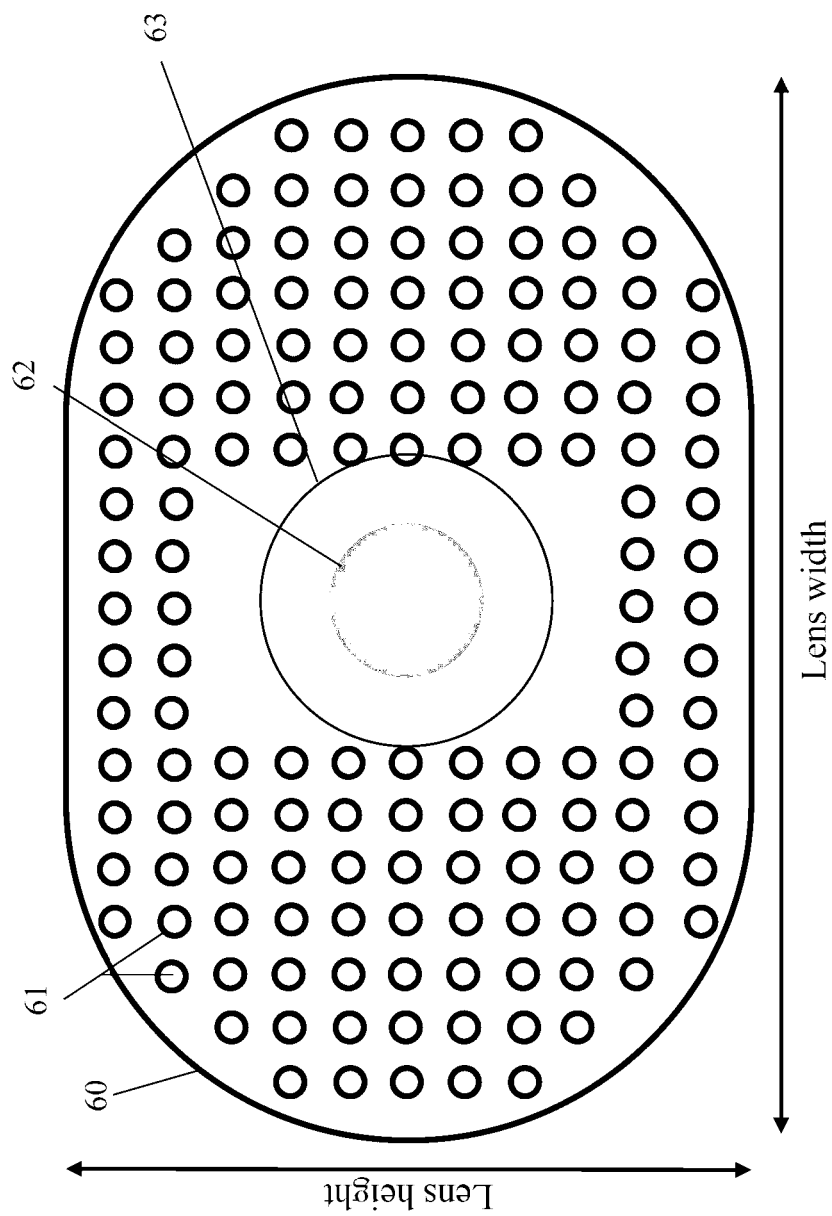
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 14A



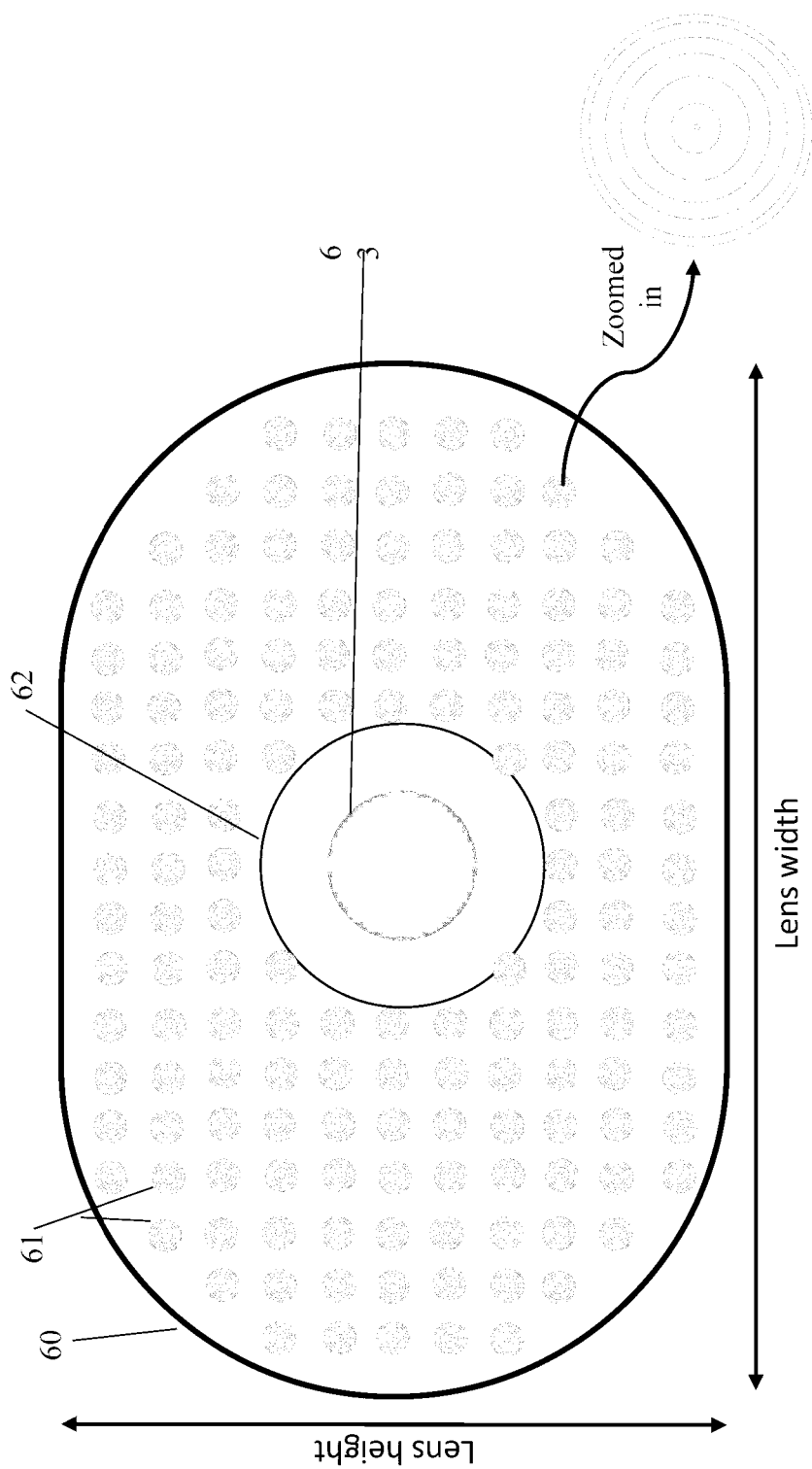
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 14B



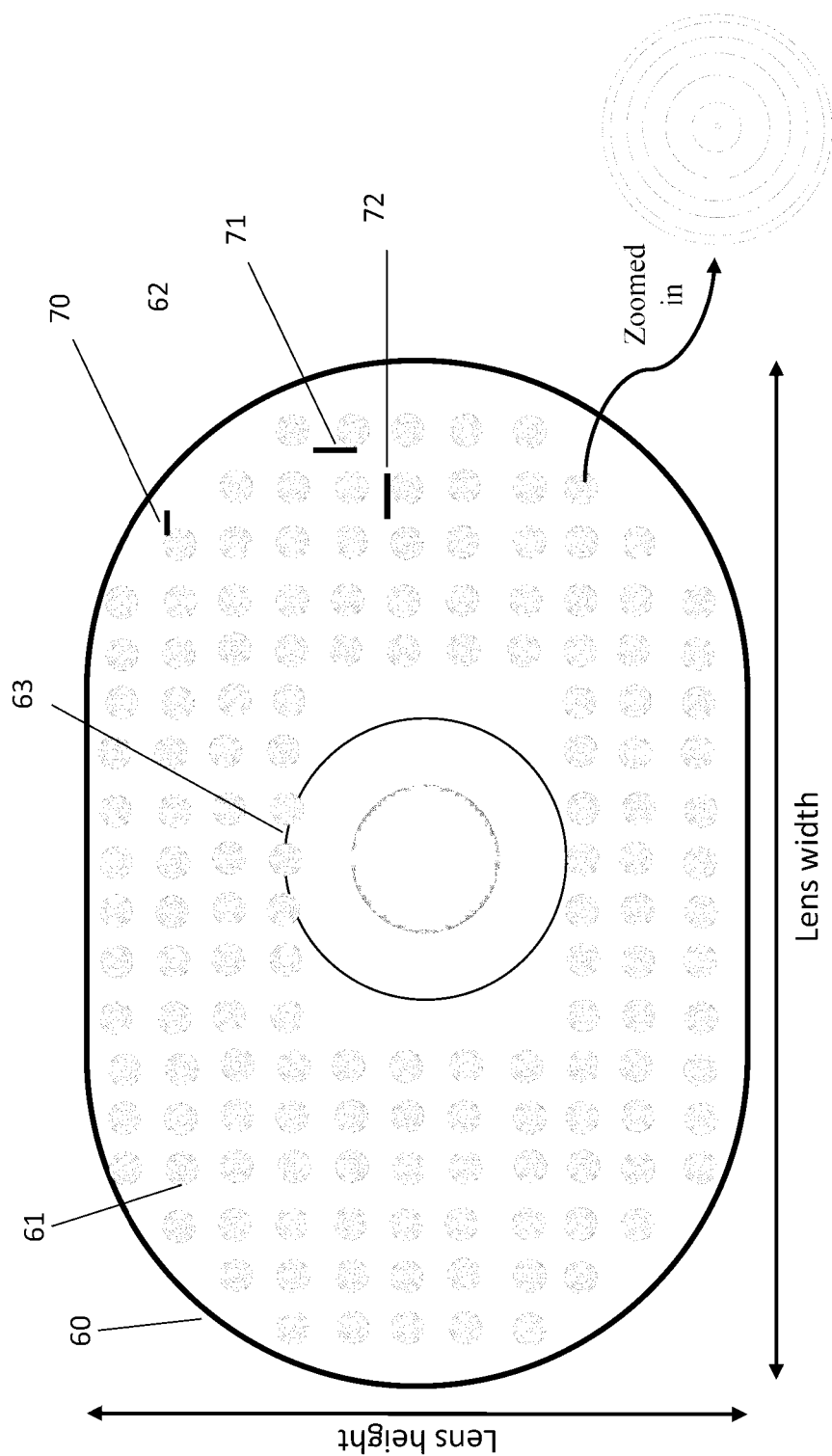
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 14C



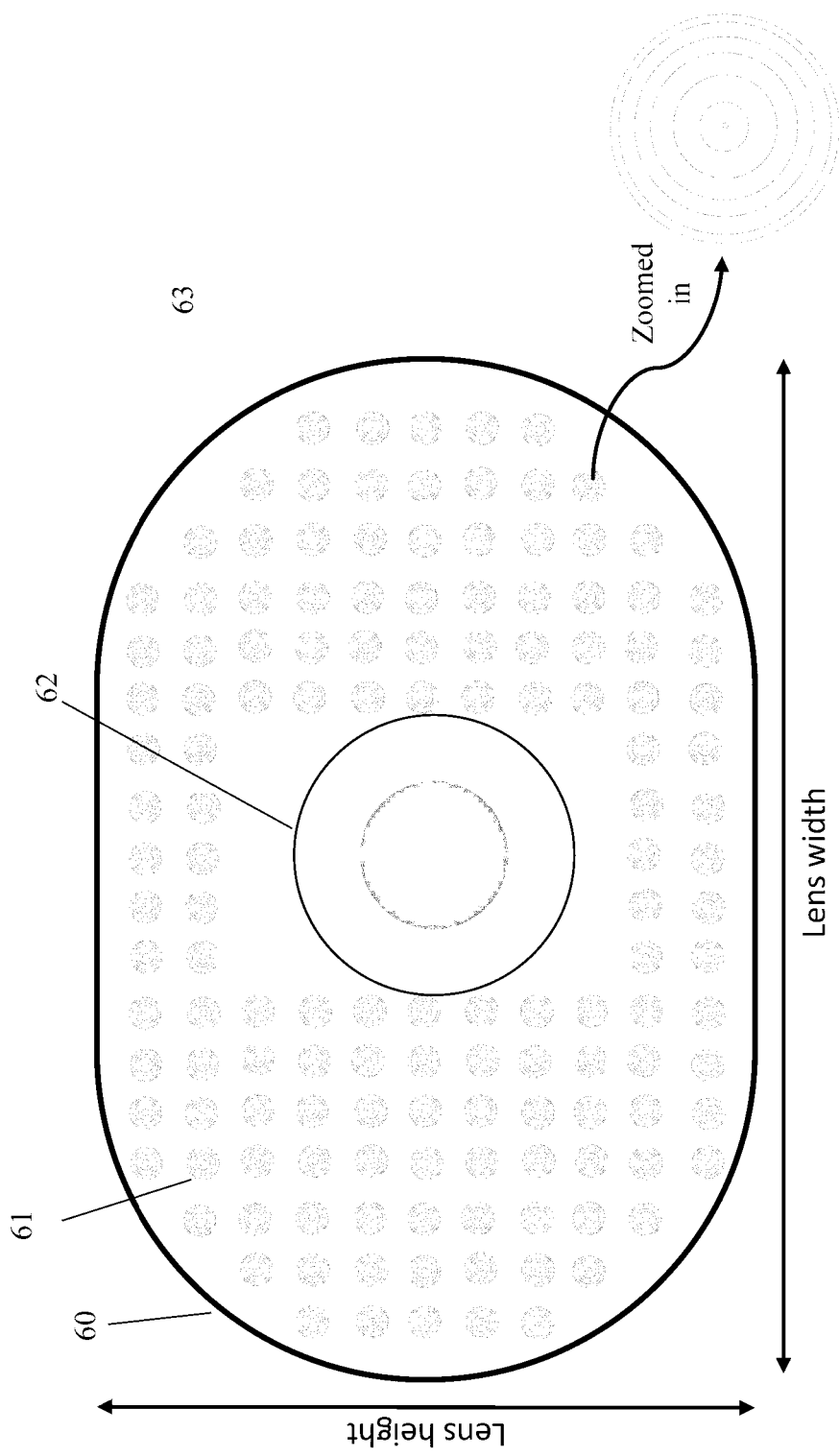
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 14D



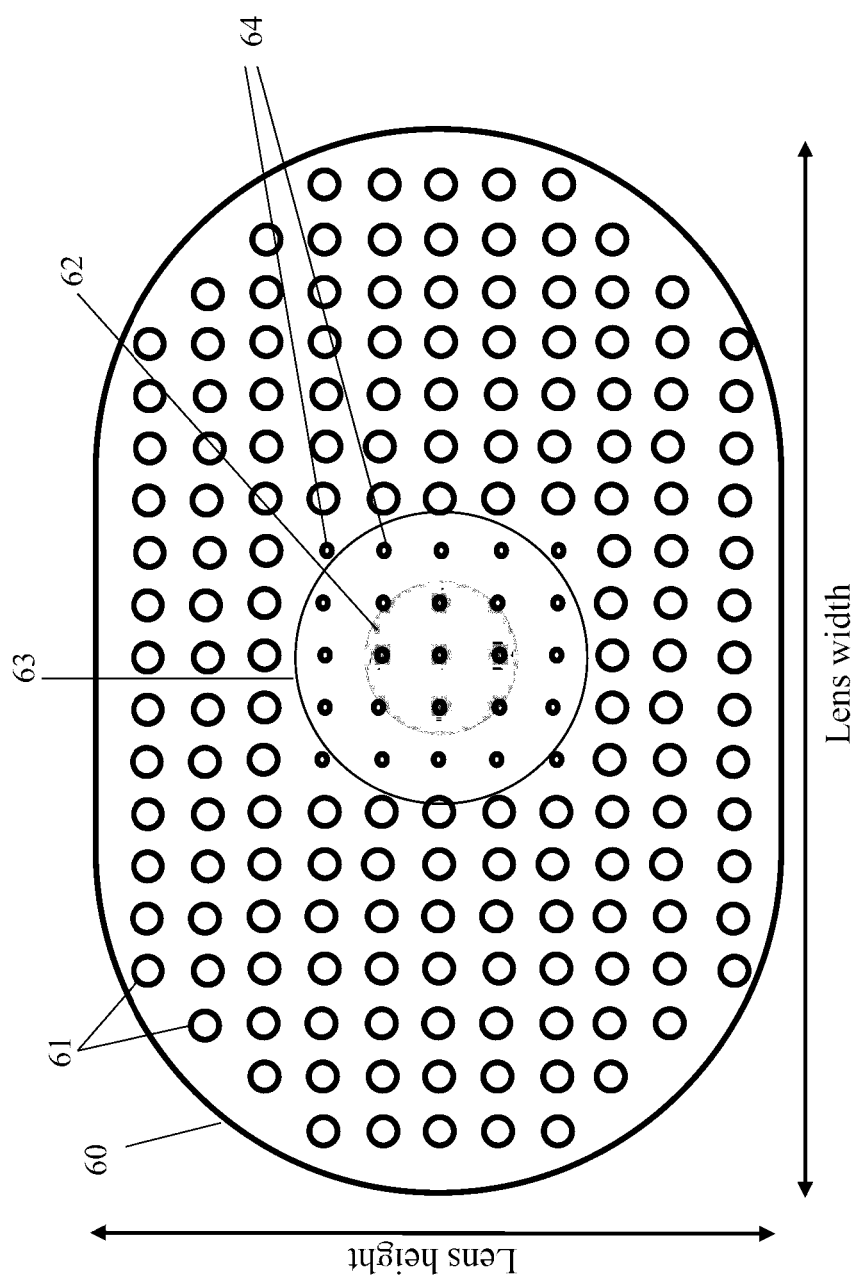
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 14E



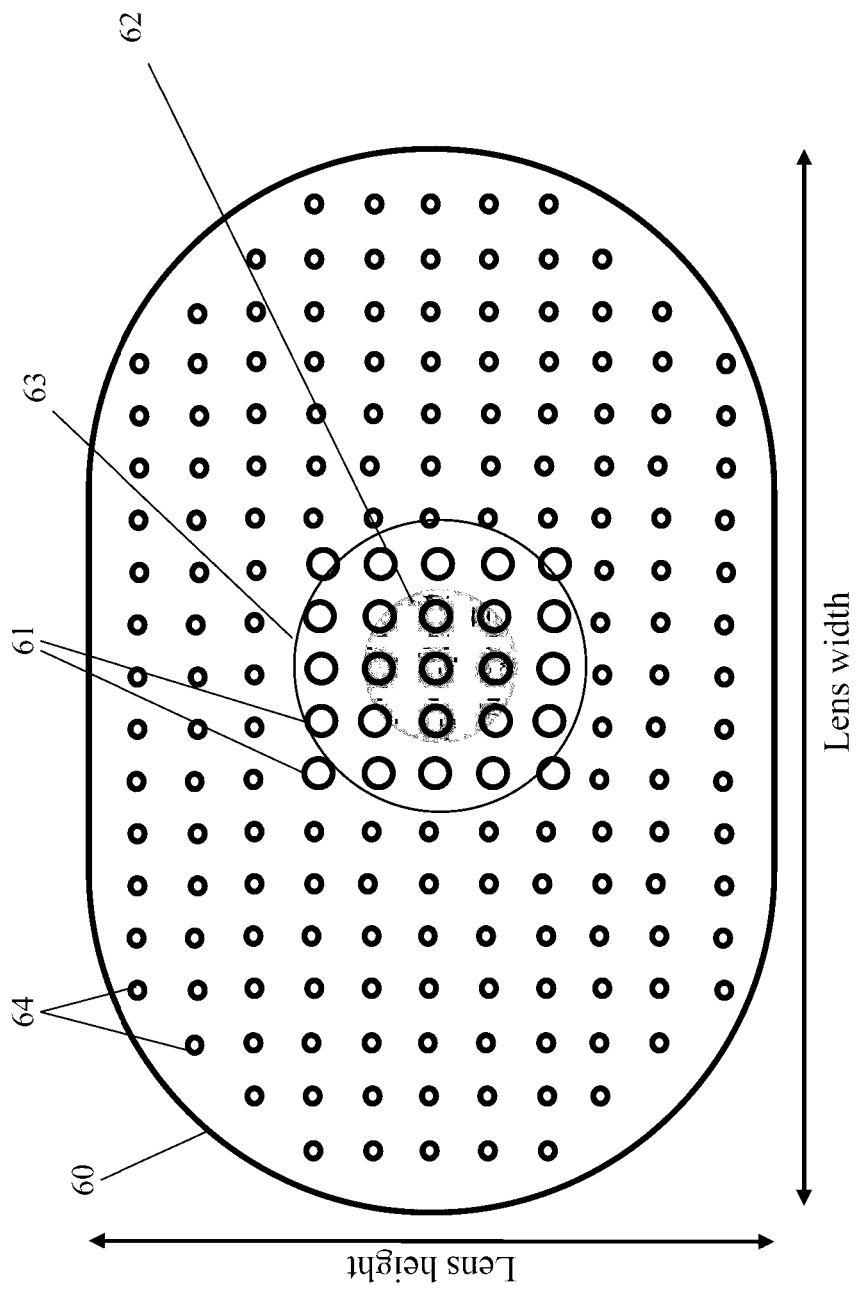
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 14F



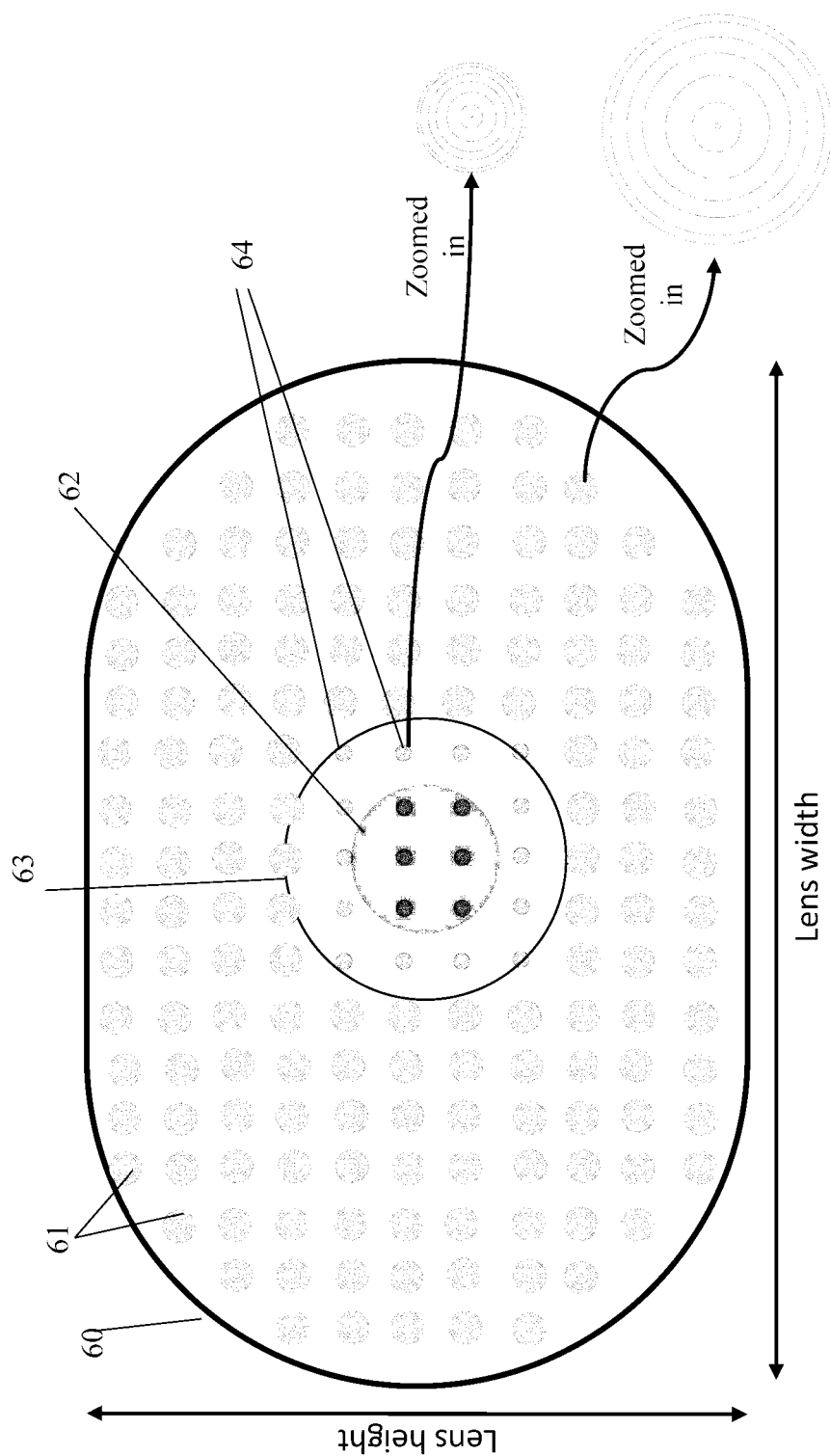
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 15A



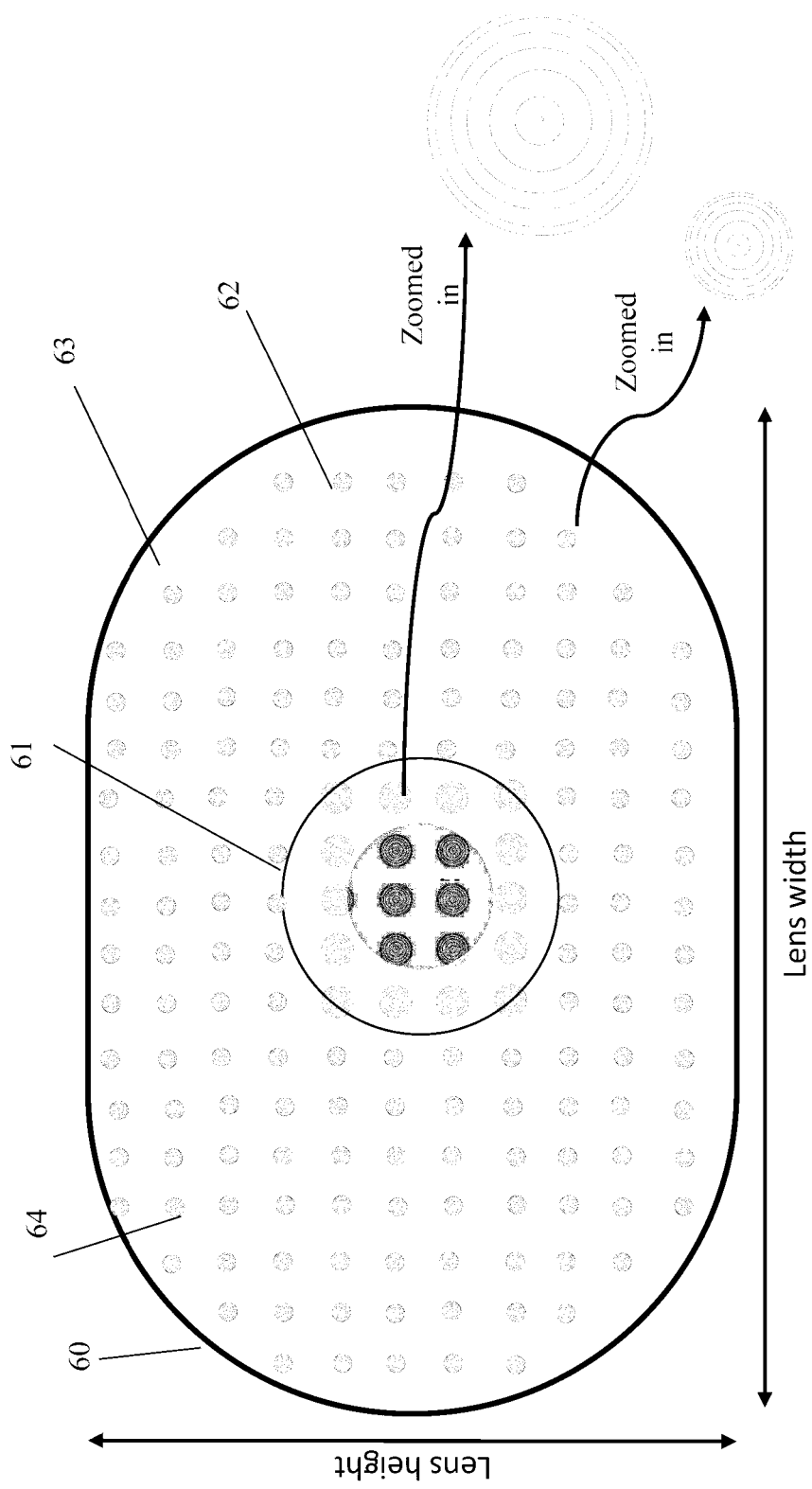
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 15B



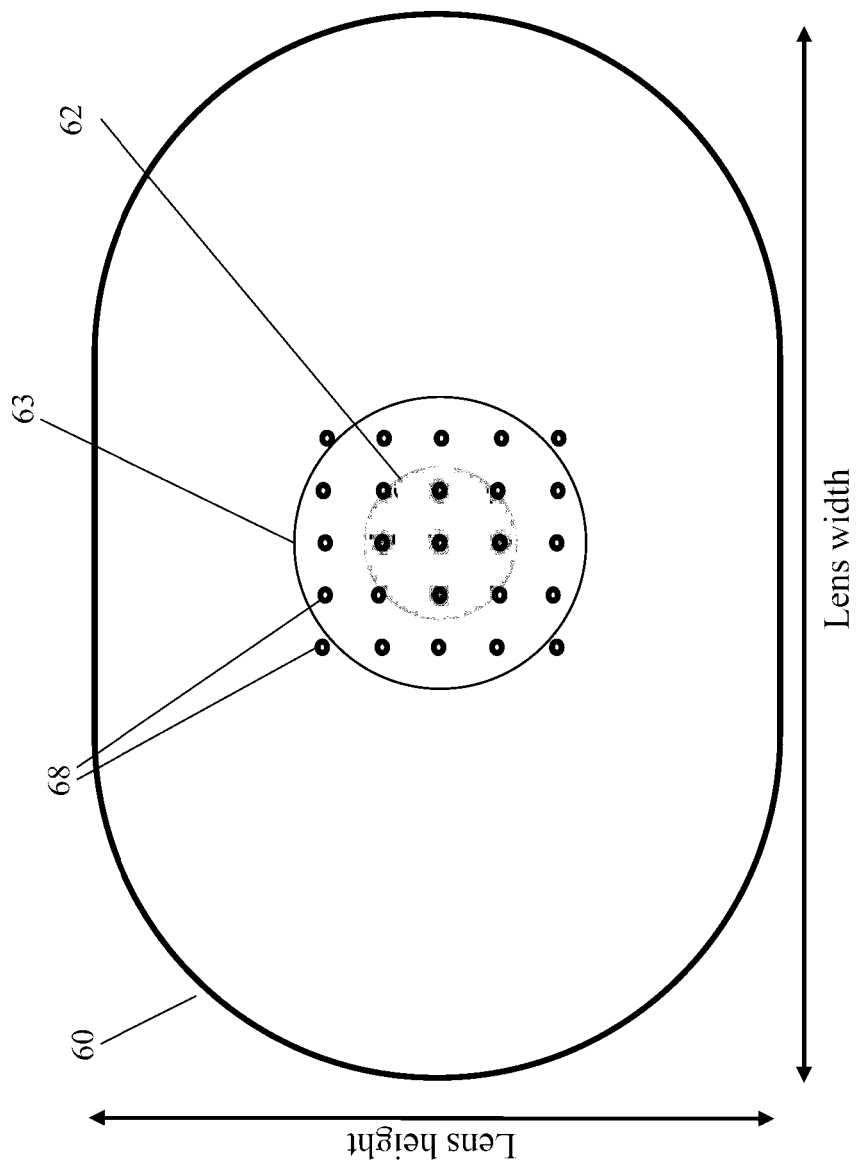
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 15C



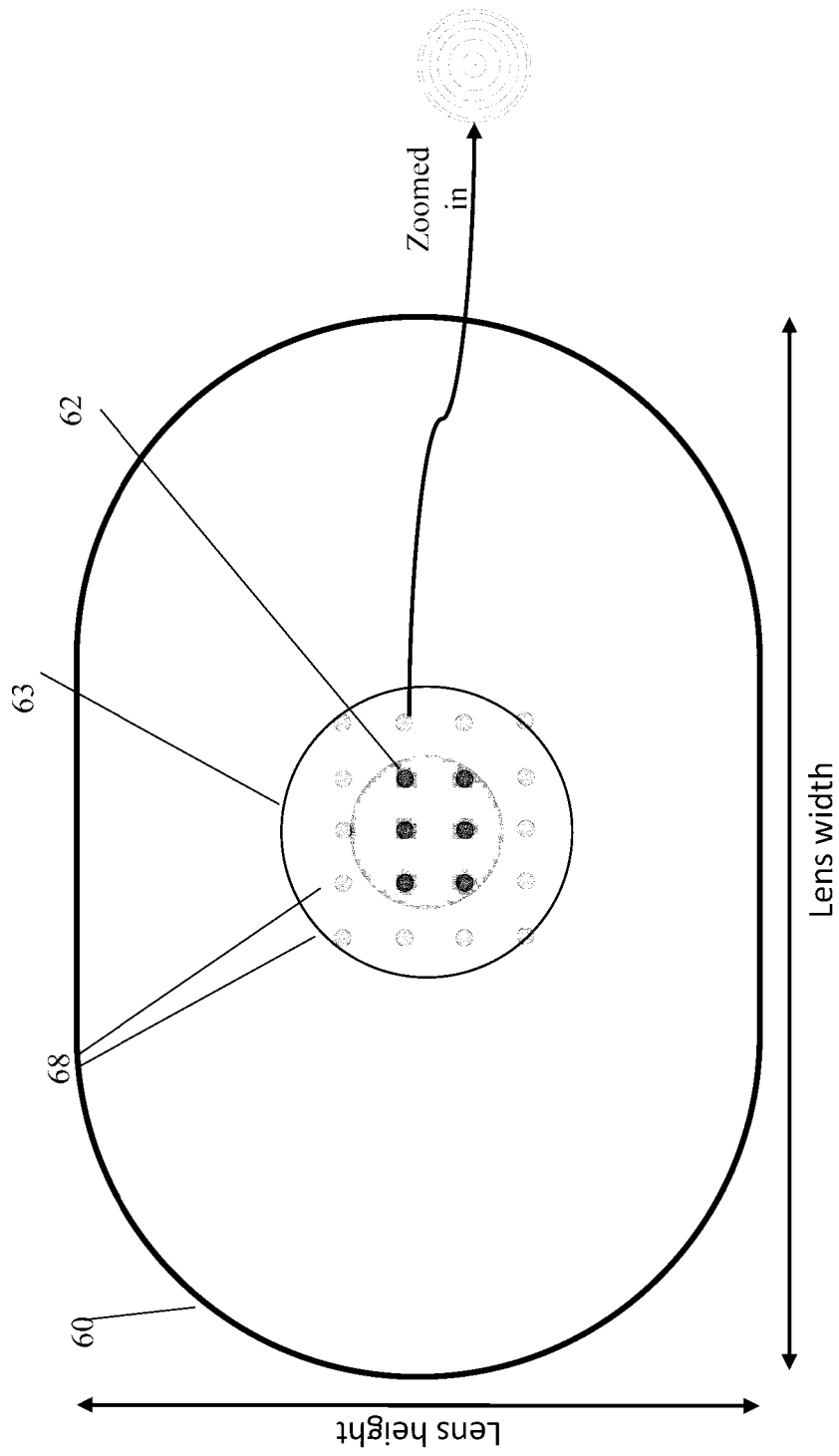
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 15D



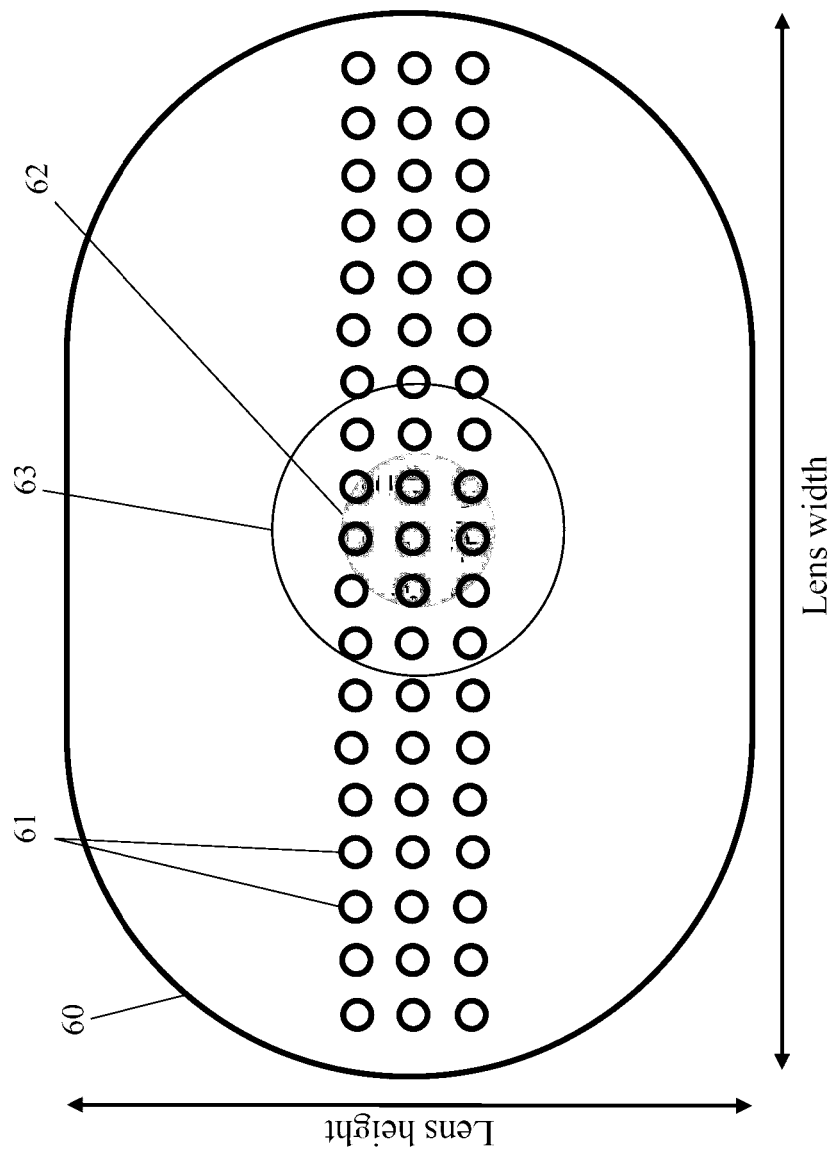
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 16A



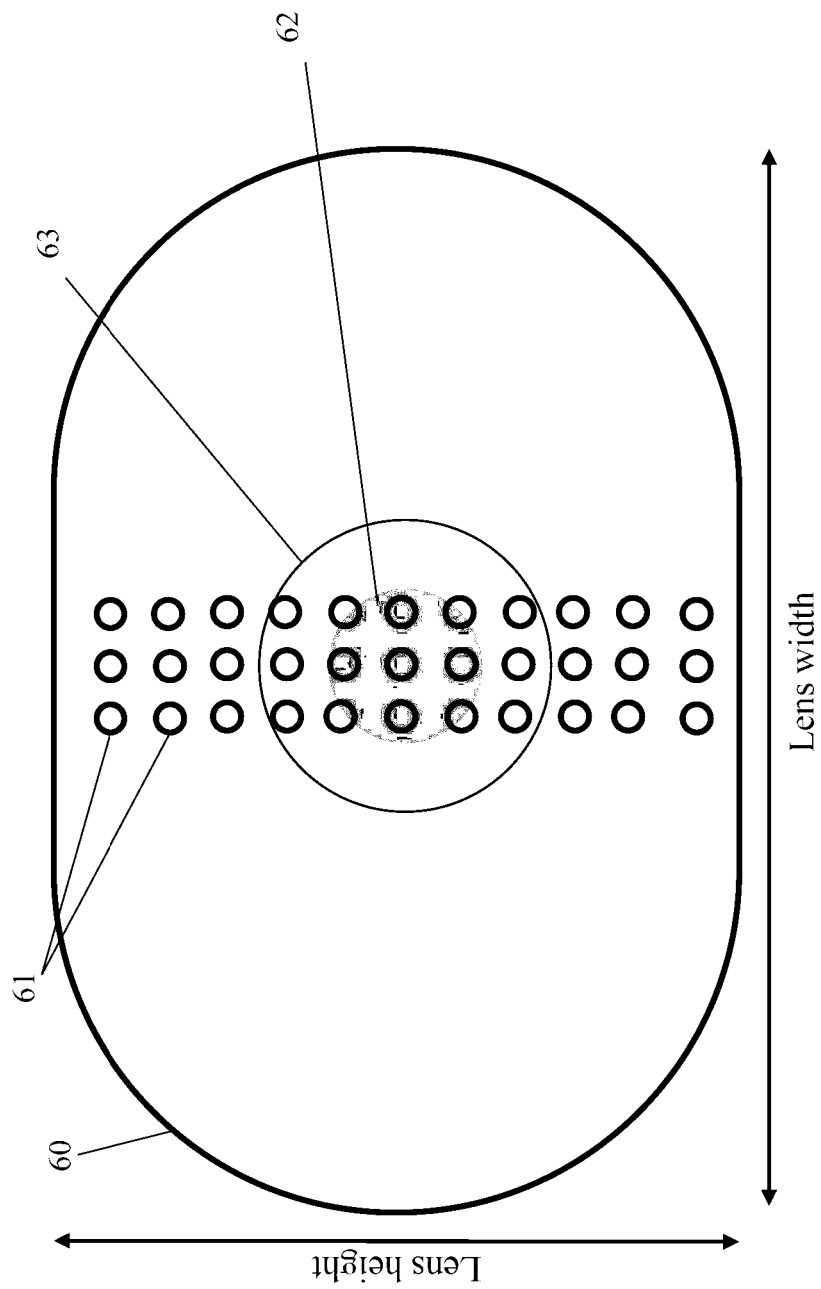
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 16B



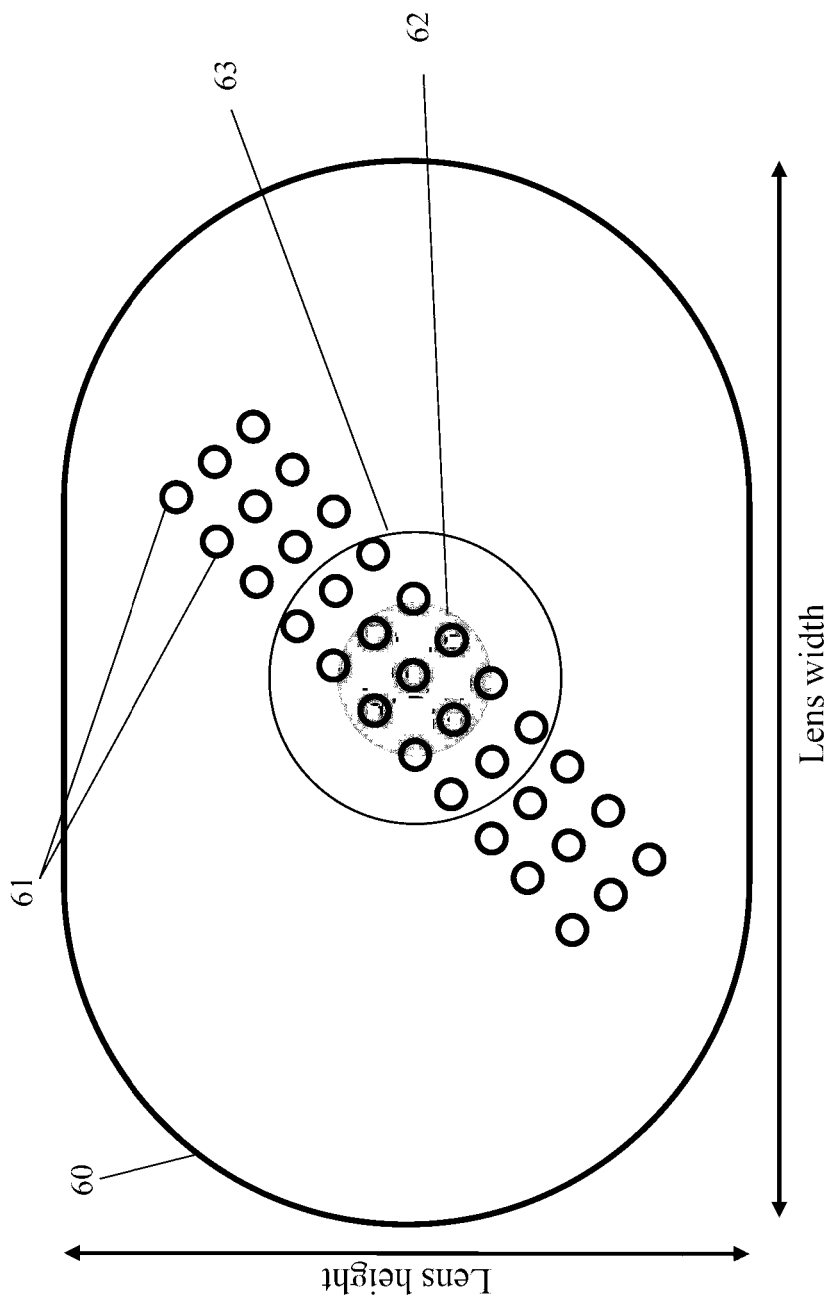
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 17A



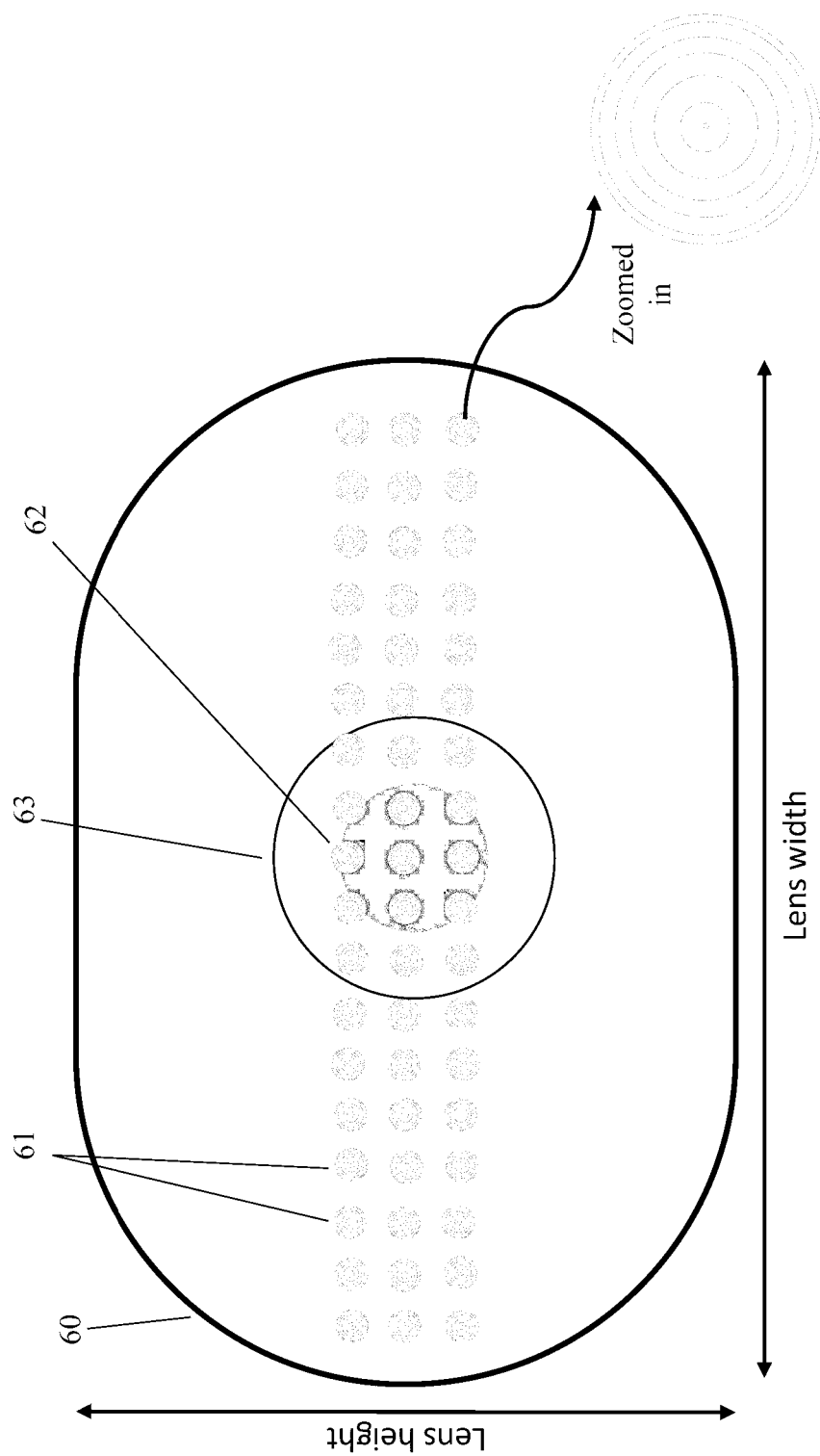
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 17B



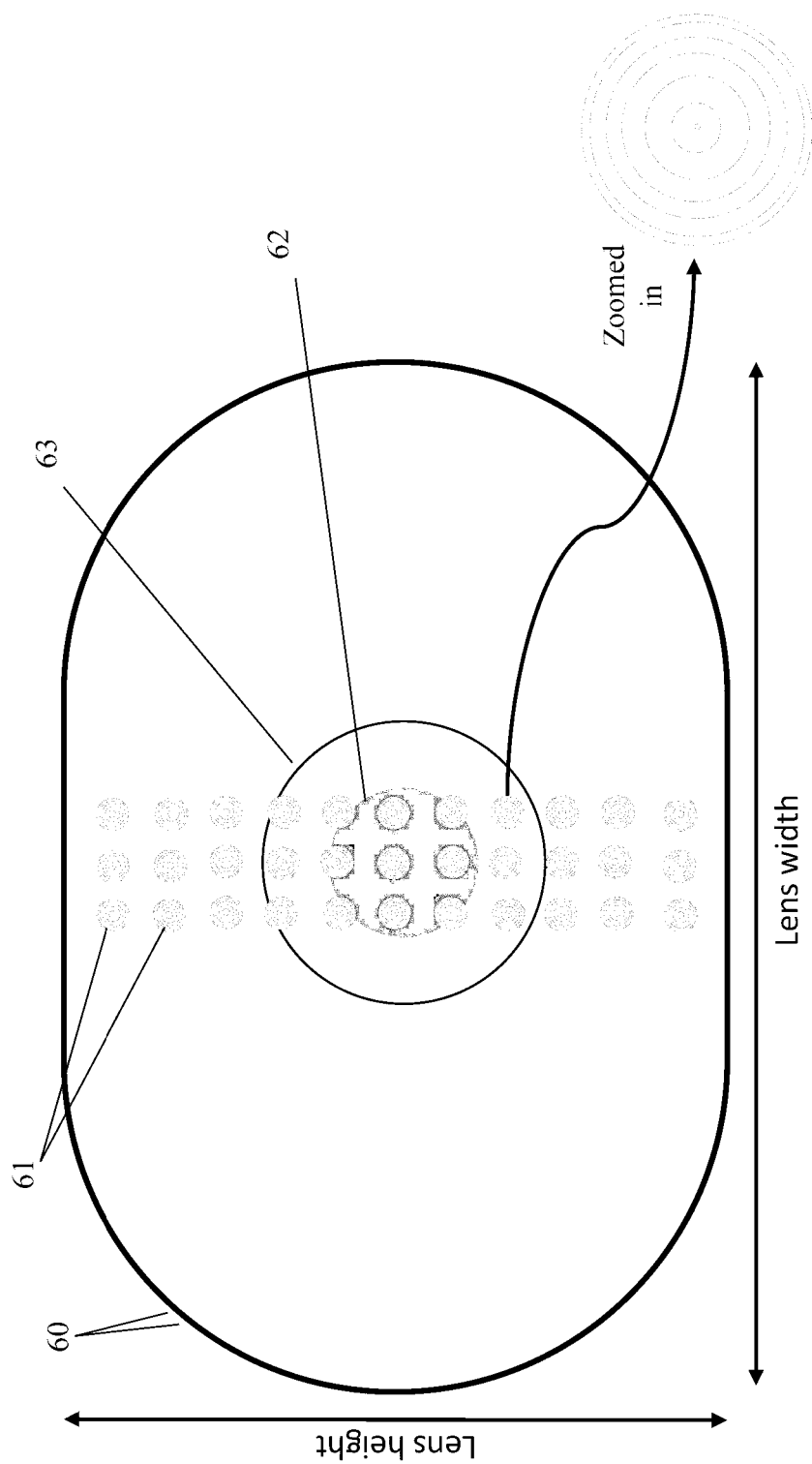
Refractive optical elements (ROE)
embedded into a spectacle lens

FIGURE 17C



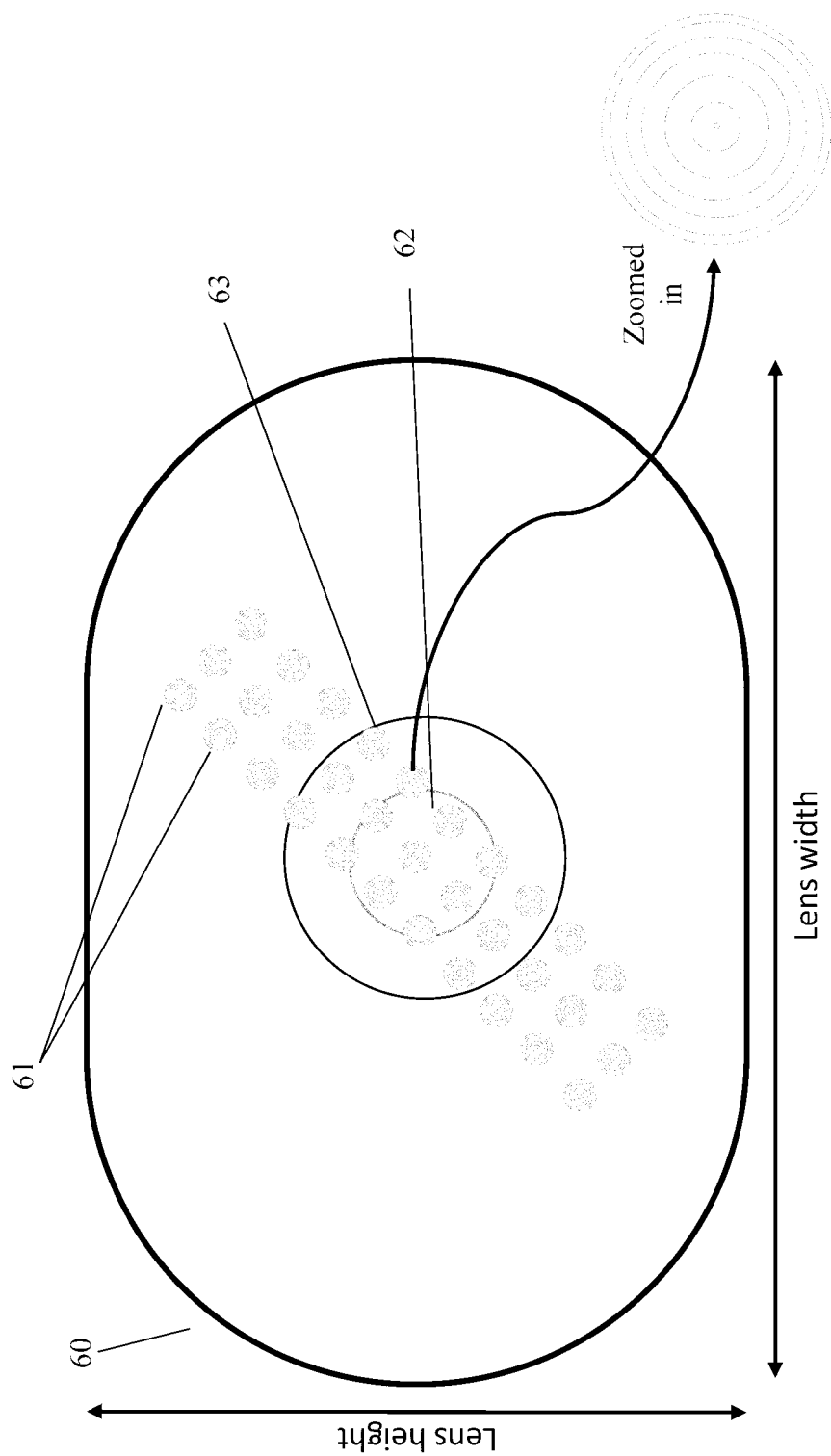
Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 17D



Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 17E



Diffractive optical elements (DOE)
embedded into a spectacle lens

FIGURE 17F

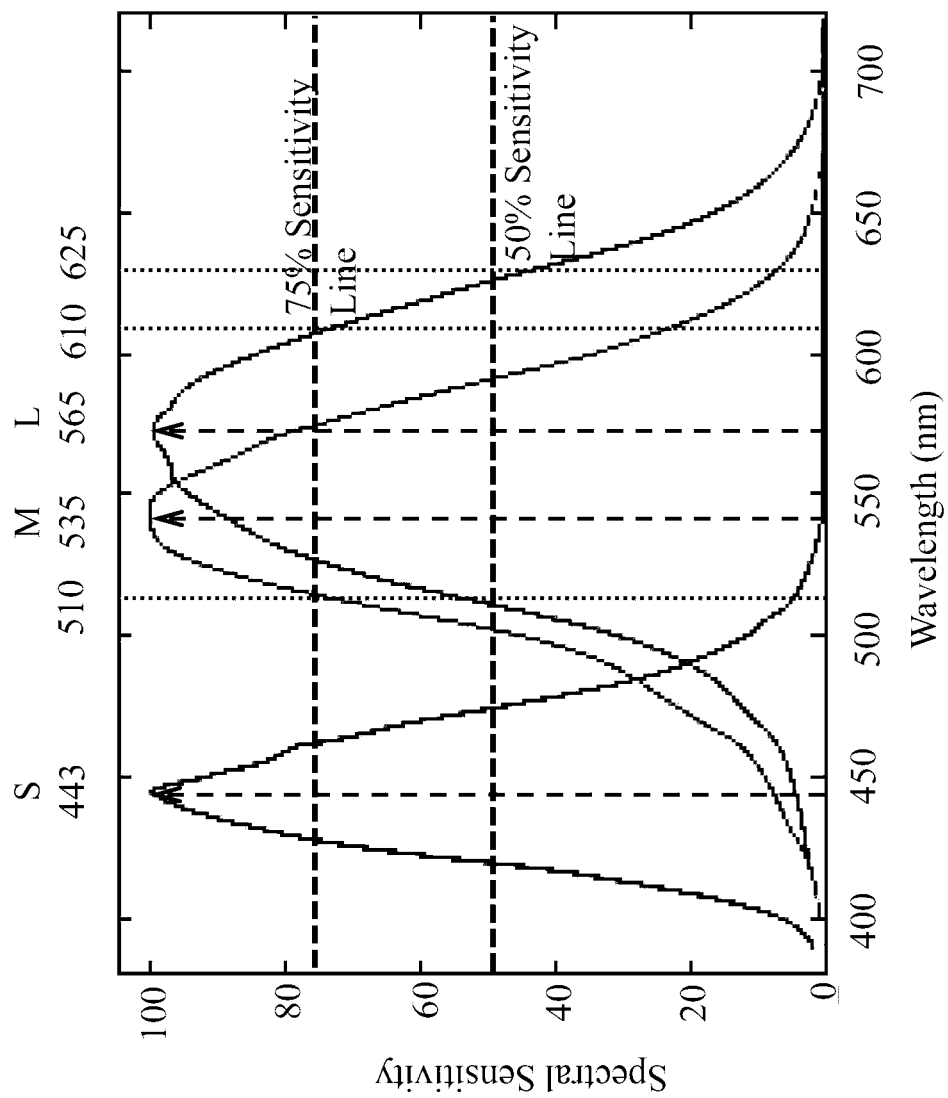


FIGURE 18A

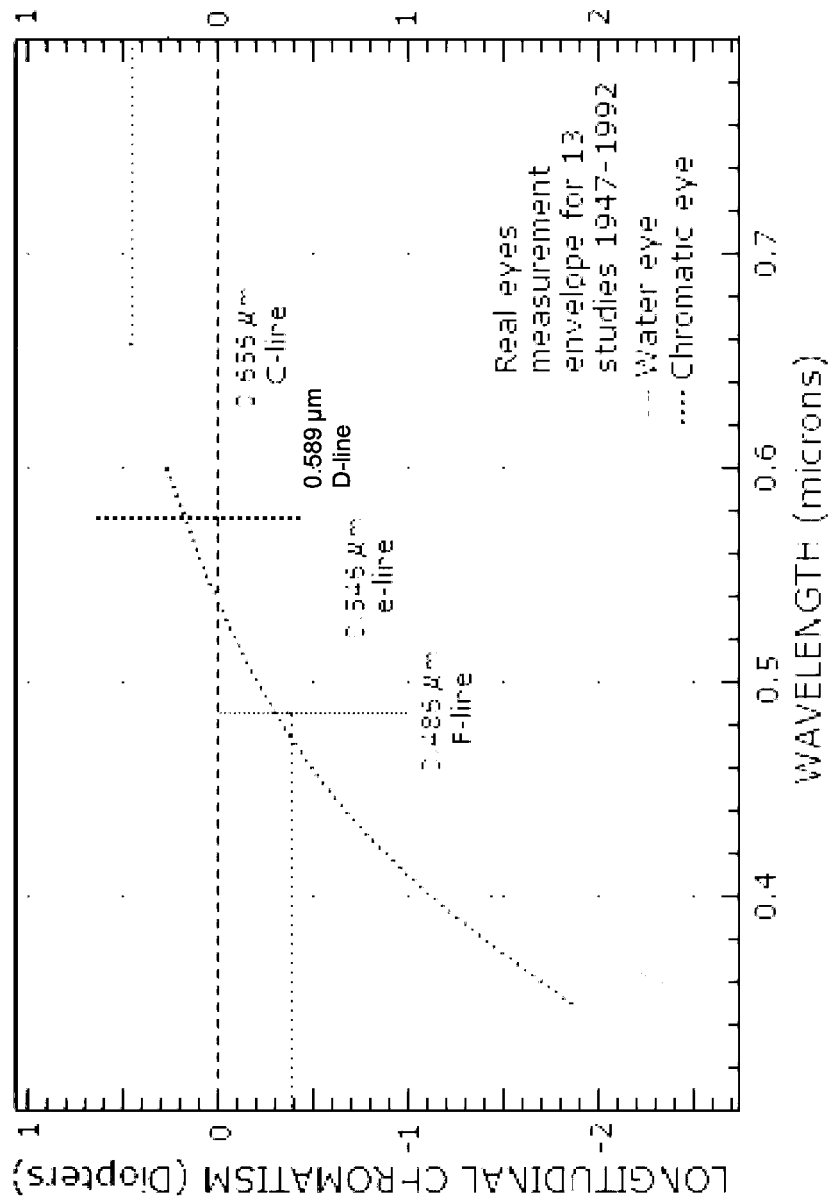


FIGURE 18B

http://www.telescope-optics.net/eye_chromatism.htm

FIGURE 19A

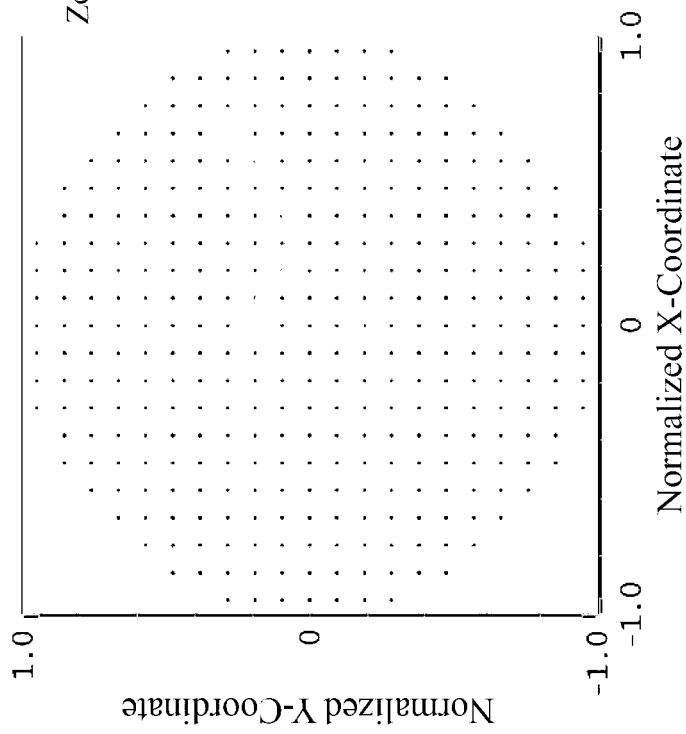
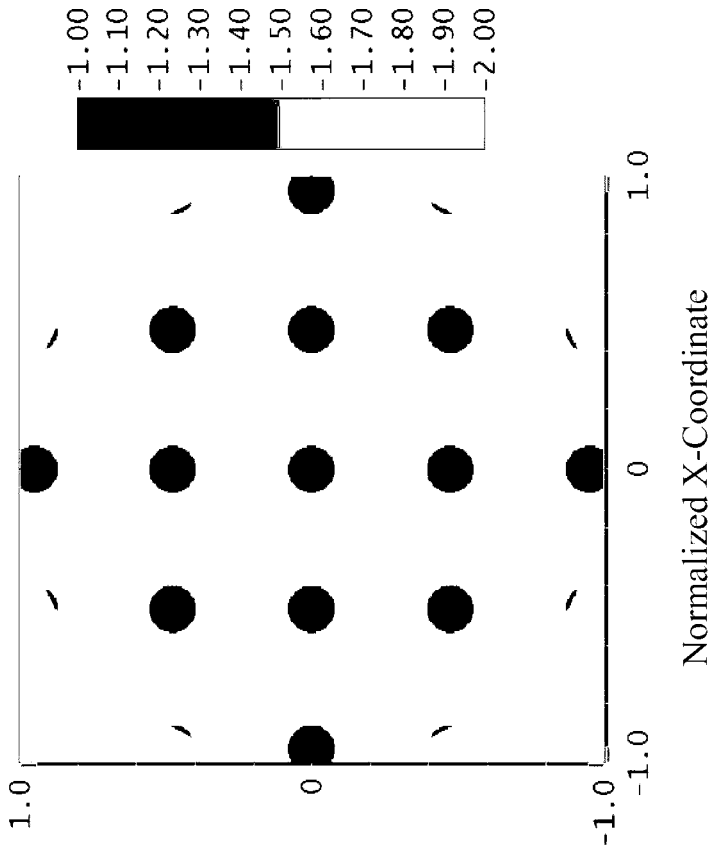


FIGURE 19B



Power Pupil Map - Spherical Power (Diopters)		
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5	
	-2D Myope with Lenslet example #1.ZMX Configuration 1 of 1	

FIGURE 19D

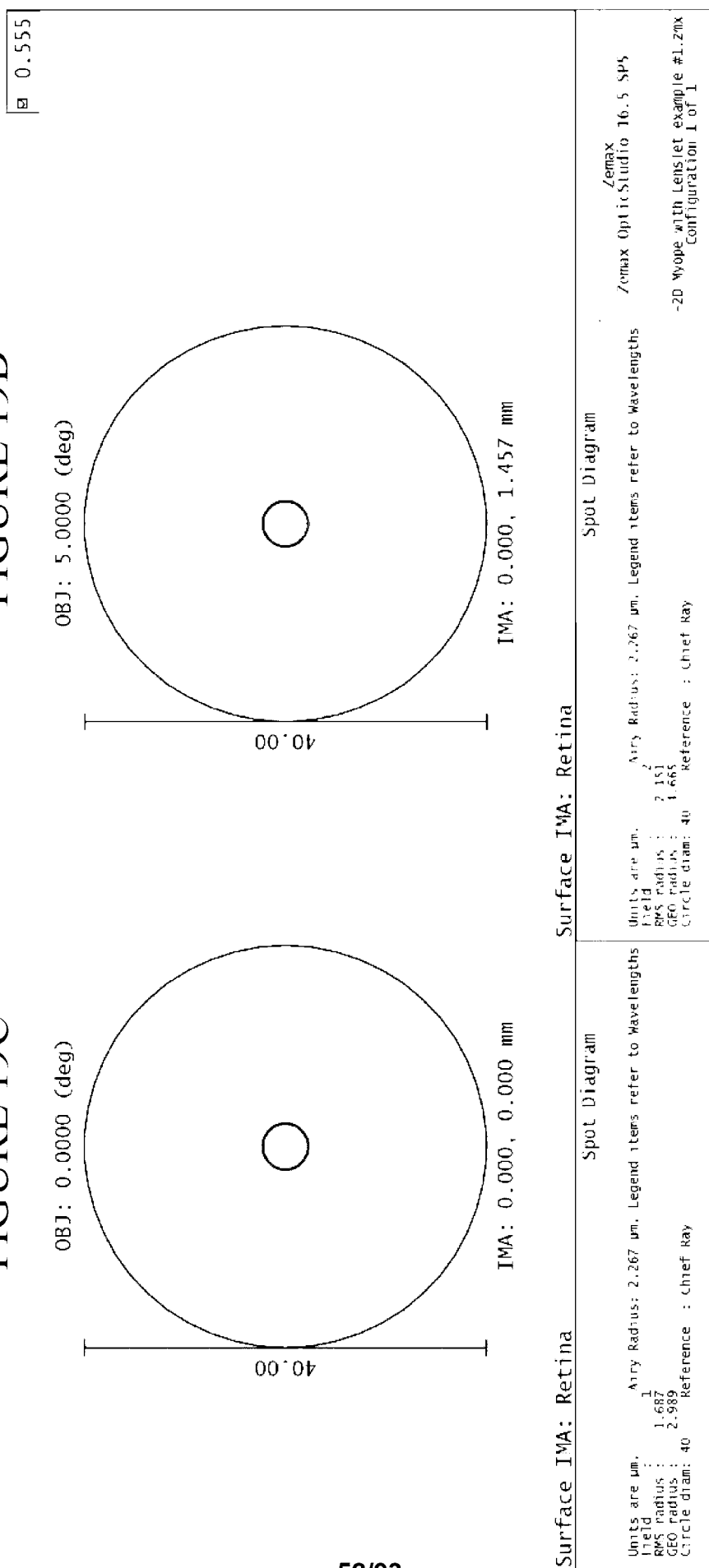


FIGURE 19E

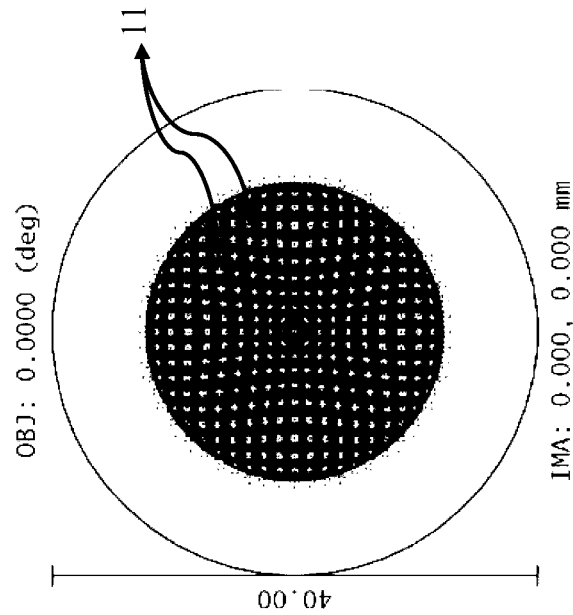
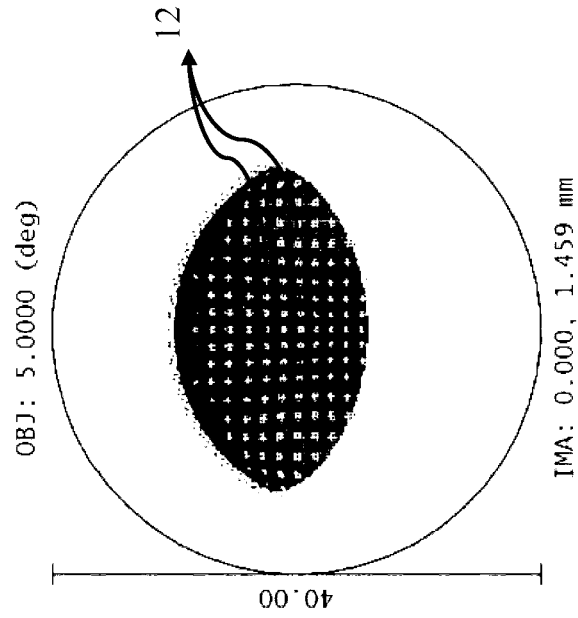


FIGURE 19F



0.61

Surface IMA: Retina	Spot Diagram	Surface IMA: Retina	Spot Diagram
Units are μm . Field : 1 RMS radius : 9.123 GEO radius : 13.017 Circle diam: 40 Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray		Units are μm . Field : 2 RMS radius : 8.556 GEO radius : 13.726 Circle diam: 40 Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray	
Zemax Zemax OpticStudio 16.5 SP5 -2D Wyothe with Lenslet example #1.zmx Configuration 1 of 1			

FIGURE 20A

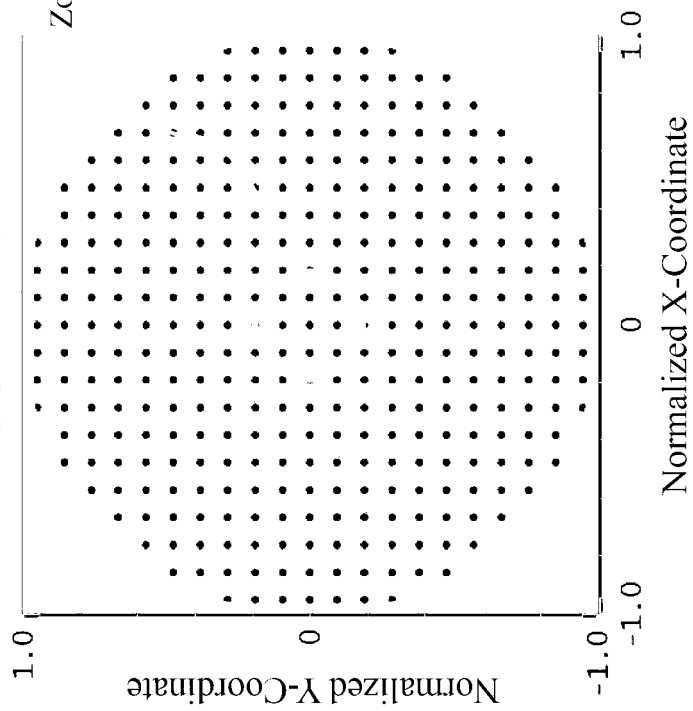
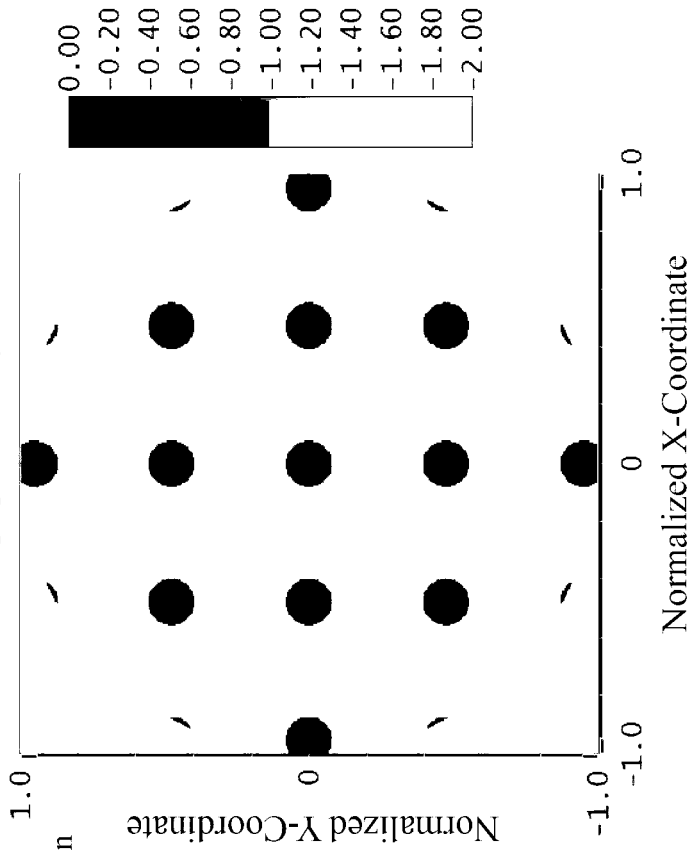


FIGURE 20B



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax
	Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #2.zmx Configuration 1 of 1

FIGURE 20C

OBJ: 0.0000 (deg)

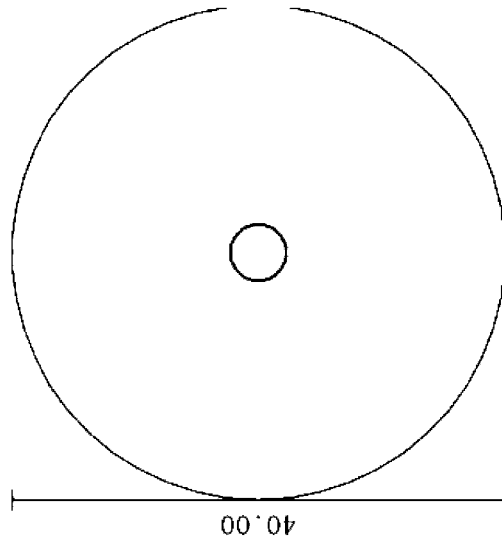
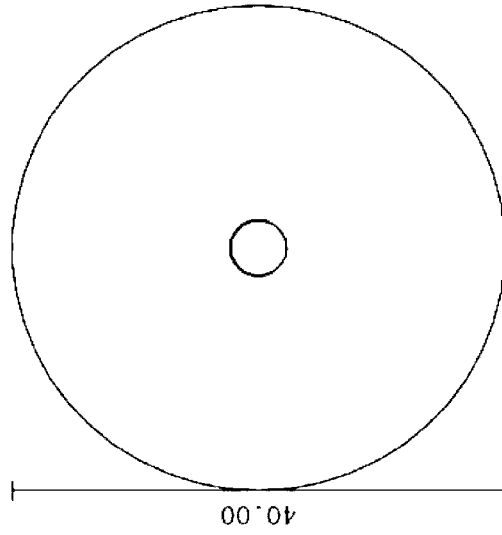


FIGURE 20D

OBJ: 5.0000 (deg)



0.555

Surface IMA: Retina

Spot Diagram

Units are μm . Airy Radius: 2.267 μm . Legend items refer to Wavelengths:
Field : 1
RMS radius : 1.778
GEO radius : 3.870
Circle diam: 40 Reference : Chief Ray

Surface IMA: Retina

Spot Diagram

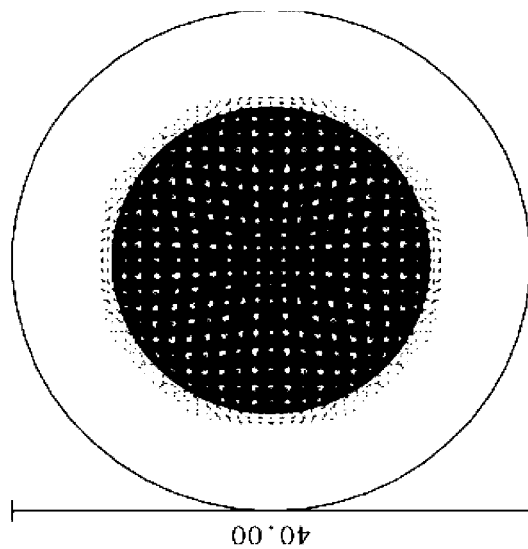
Units are μm . Airy Radius: 2.267 μm . Legend items refer to Wavelengths:
Field : 2
RMS radius : 2.334
GEO radius : 5.380
Circle diam: 40 Reference : Chief Ray

Zemax
Zemax OpticStudio 16.5 SP5

-2D Wyoque with Lenslet example #2.2mx
Configuration 1 of 1

FIGURE 20E

OBJ: 0.0000 (deg)



IMA: 0.000, 0.000 mm

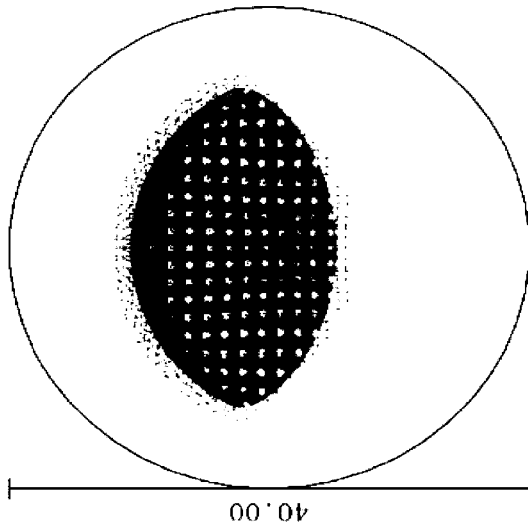
Surface IMA: Retina

Spot Diagram

Units are μm .
Field : 1
RMS radius : 9.179
GEO radius : 13.590
Circle diam: 40
Airy Radius: 2.491 μm . Legend items refer to Wavelengths
Reference : Chief Ray

FIGURE 20F

OBJ: 5.0000 (deg)



IMA: 0.000, 1.458 mm

Surface IMA: Retina

Spot Diagram

Units are μm .
Field : 2
RMS radius : 8.853
GEO radius : 14.188
Circle diam: 40
Airy Radius: 2.491 μm . Legend items refer to Wavelengths
Reference : Chief Ray
Zemax
Zemax OpticStudio 16.5 SP5
-2D Myope with Lenslet example #2.zmx
Configuration 1 of 1

FIGURE 21A

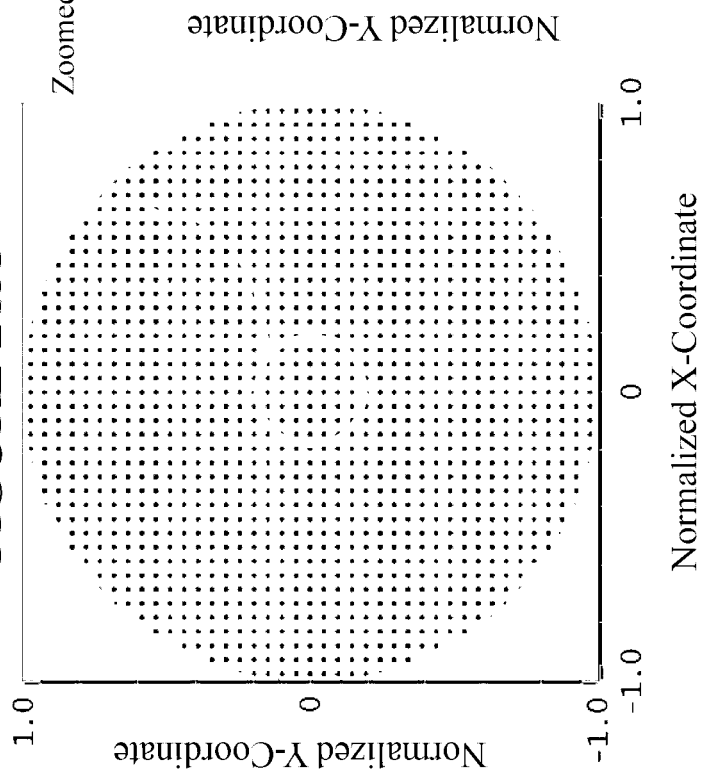
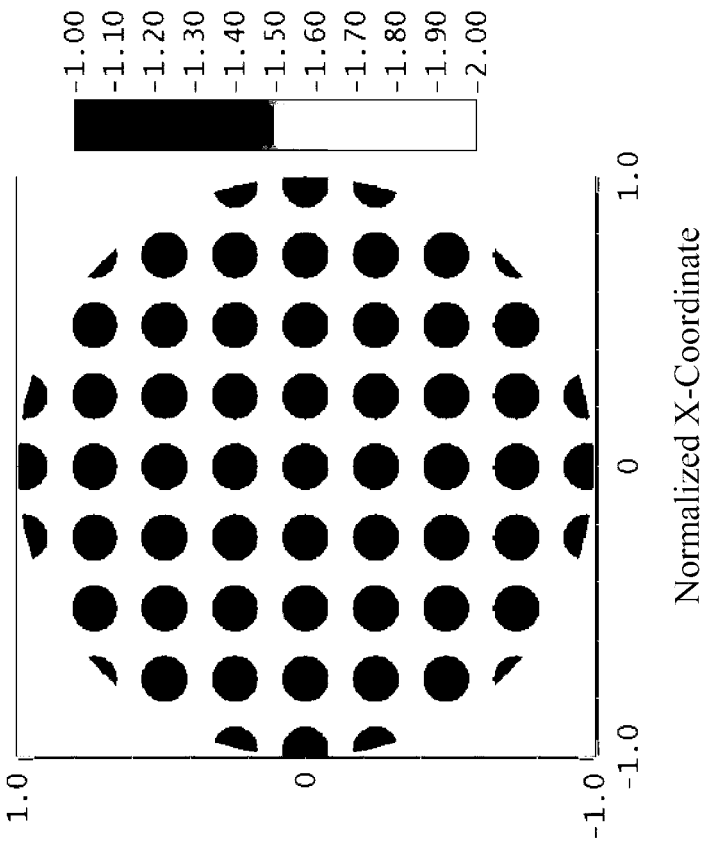


FIGURE 21B



Power Pupil Map - Spherical Power (Diopters)		
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax	Zemax
	Zemax OpticStudio 16.5 SP5	-2D Myope with Lenslet example #3.zmx Configuration 1 of 1

FIGURE 21C

OBJ: 0.0000 (deg)

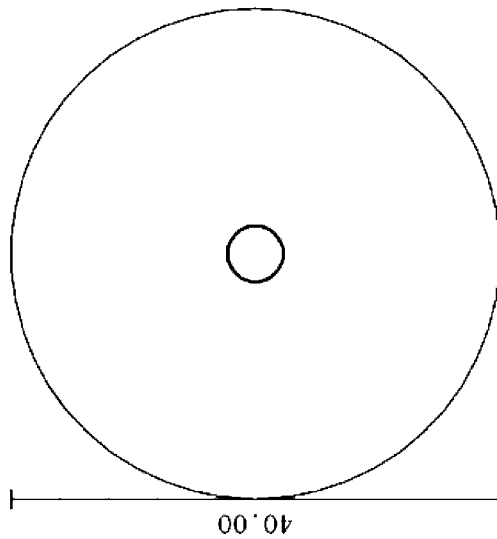
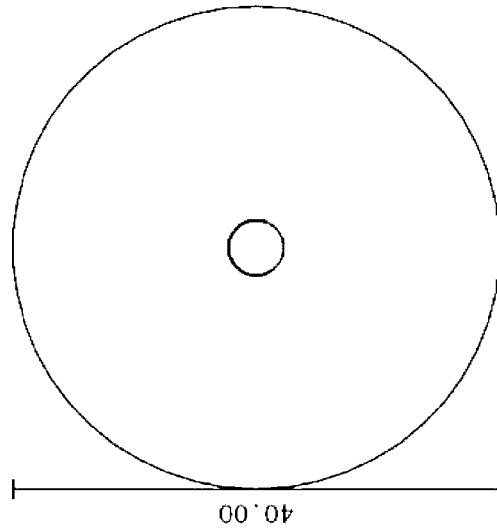


FIGURE 21D

OBJ: 5.0000 (deg)



0.555

Surface IMA: Retina

Spot Diagram

Units are μm .
Field : 1
RMS radius : 1.727
GEO radius : 3.067
Circle diam: 40
Airy Radius: 2.267 μm . Legend items refer to Wavelengths
Reference : Chief Ray

Surface IMA: Retina

Spot Diagram

Units are μm .
Field : 2.330
RMS radius : 4.758
GEO radius : 4.758
Circle diam: 40
Airy Radius: 2.267 μm . Legend items refer to Wavelengths
Reference : Chief Ray

Zemax
Zemax OpticStudio 16.5 SP5

-2D Wyoze with Lenslet example #3.2mx
Configuration 1 of 1

FIGURE 21E

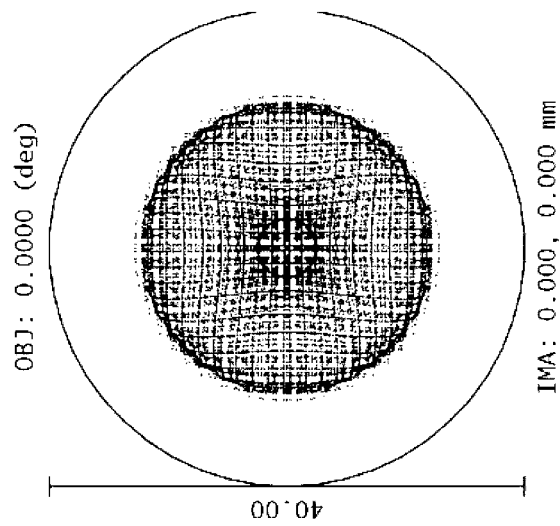
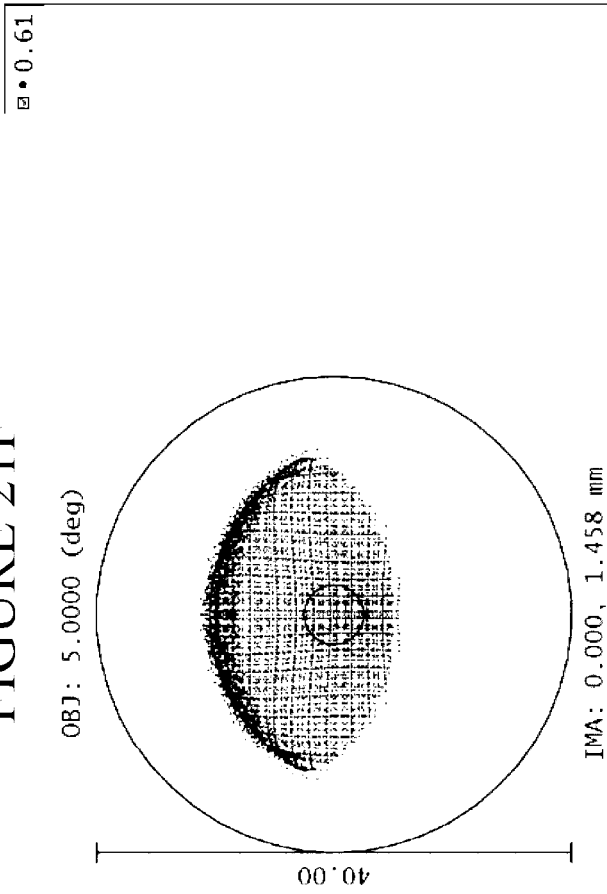


FIGURE 21F



0.061

Surface IMA: Retina

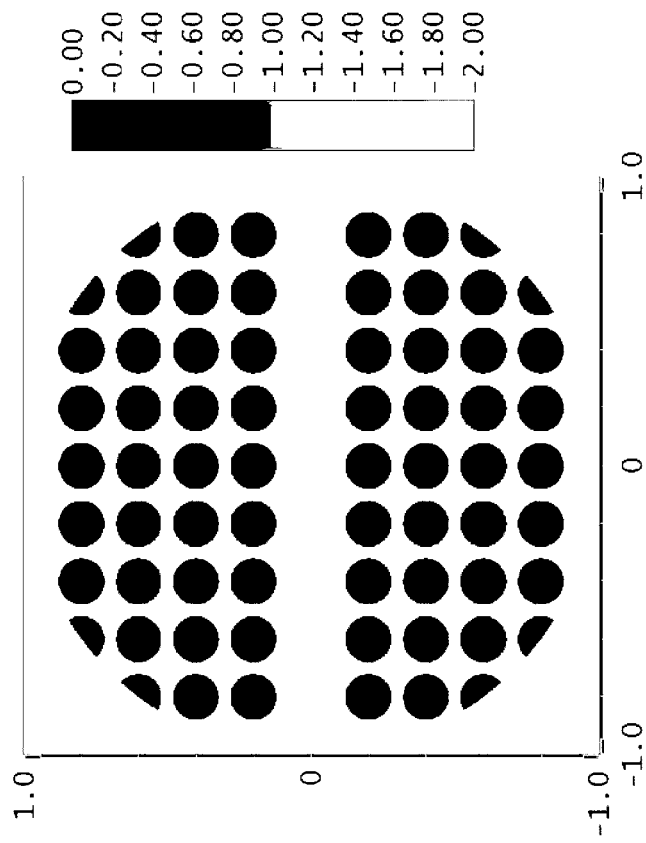
Units are μm .
Field : 1
RMS radius : 9.129
GEO radius : 12.878
Circle diam: 40 Reference : Chief Ray

Surface IMA: Retina

Units are μm .
Field : 2
RMS radius : 8.819
GEO radius : 13.950
Circle diam: 40 Reference : Chief Ray

Spot Diagram

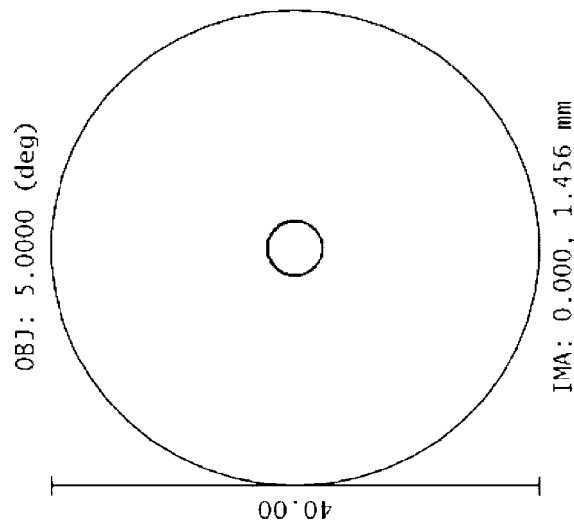
Zemax
Zemax OpticStudio 16.5 SP5
-2D Wyoze with Lenslet example #3.zmx
Configuration 1 of 1



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #4.zmx Configuration 1 of 1

FIGURE 22A

FIGURE 22D



Surface IMA: Retina	Spot Diagram	Surface IMA: Retina	Spot Diagram
Units are μm . Field : 1 RMS radius : 4.885 GEO radius : 10.380 Circle diam: 40 Reference : Chief Ray	Airy Radius: 2.267 μm . Legend items refer to Wavelengths Units are μm . Field : 1 RMS radius : 5.250 GEO radius : 11.869 Circle diam: 40 Reference : Chief Ray	Airy Radius: 2.267 μm . Legend items refer to Wavelengths Units are μm . Field : 2 RMS radius : 5.250 GEO radius : 11.869 Circle diam: 40 Reference : Chief Ray	Zemax Zemax OpticStudio 16.5 SP5 -2D Wyome with Lenslet example #4.Zmx Configuration 1 of 1

FIGURE 22E

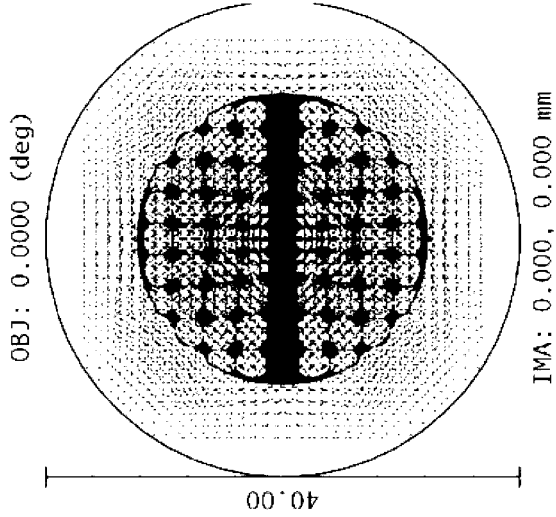
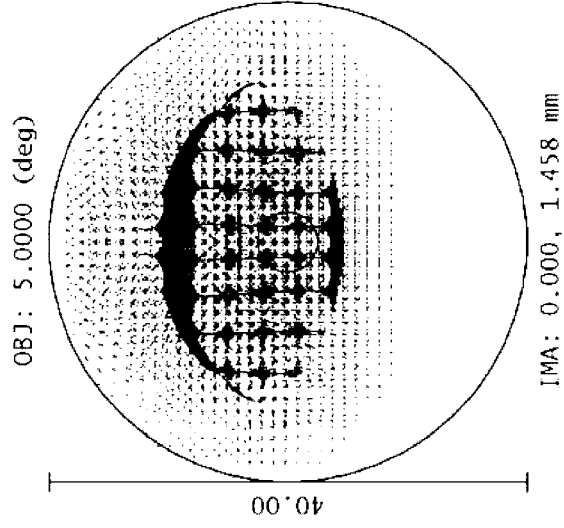


FIGURE 22F



0.61

Surface IMA: Retina		Spot Diagram	
Units are μm . Field : 1 RMS radius : 10.000 GEO radius : 19.724 Circle diam: 40	Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray	Units are μm . Field : 1 RMS radius : 10.155 GEO radius : 20.172 Circle diam: 40	Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray
		Zemax Zemax OpticStudio 16.5 SP5 -2D Wyoque with Lenslet example #4.zmx Configuration 1 of 1	

FIGURE 23A

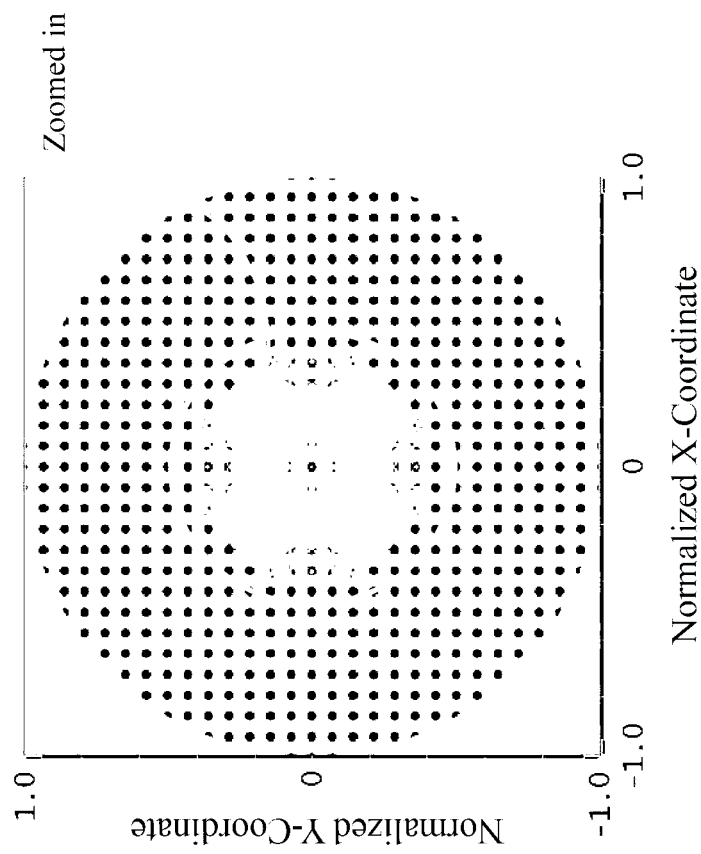
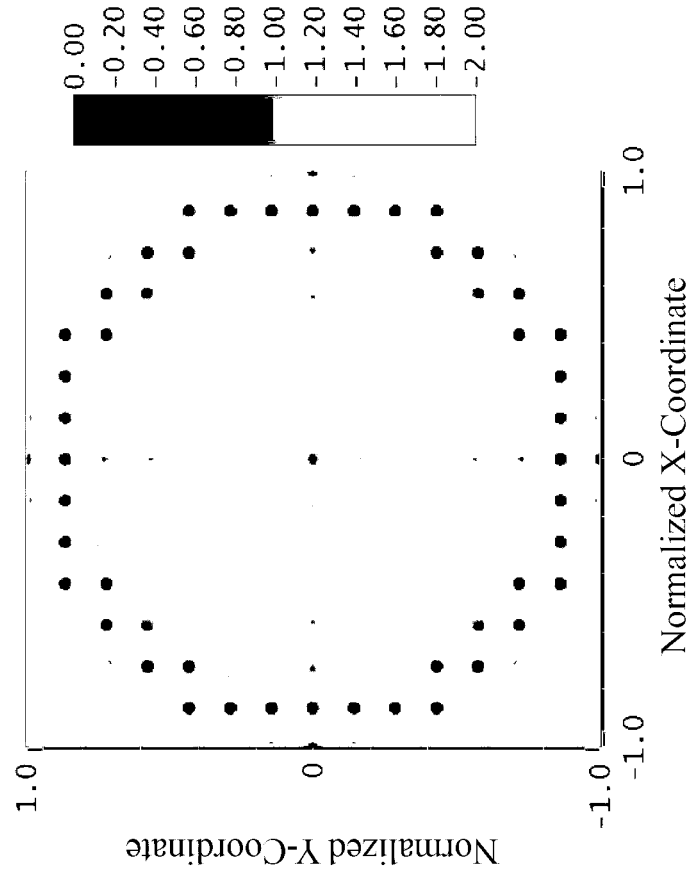


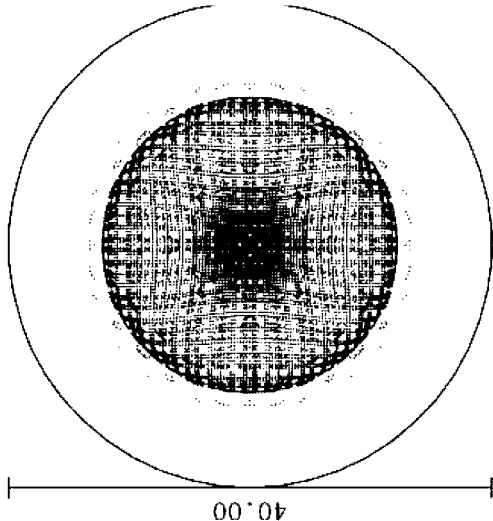
FIGURE 23B



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax
	Zemax OpticStudio 16.5 SP5
	-20 Myope with Lenslet example #5.zmx Configuration 1 of 1

FIGURE 23E

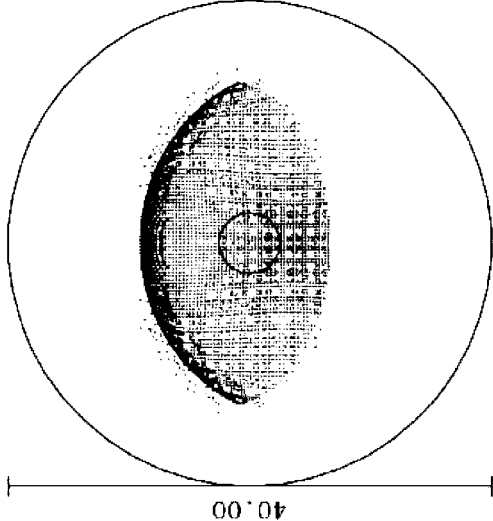
OBJ: 0.0000 (deg)



IMA: 0.000, 0.000 mm

FIGURE 23F

OBJ: 5.0000 (deg)



IMA: 0.000, 1.460 mm

Surface IMA: Retina

Spot Diagram	
Units are μm .	Airy Radius: 2.491 μm . Legend items refer to Wavelengths
I-Field	1
RMS Radius :	9.142
GEO Radius :	13.713
Circle diam: 40	Reference : Chief Ray

Surface IMA: Retina

Spot Diagram	
Units are μm .	Airy Radius: 2.491 μm . Legend items refer to Wavelengths
I-Field	8.257
RMS Radius :	13.365
GEO Radius :	Reference : Chief Ray
Circle diam: 40	

Zemax
Zemax OpticStudio 16.5 SP5
-2D Myope with Lenslet example #5.zmx
Configuration 1 of 1

FIGURE 24A

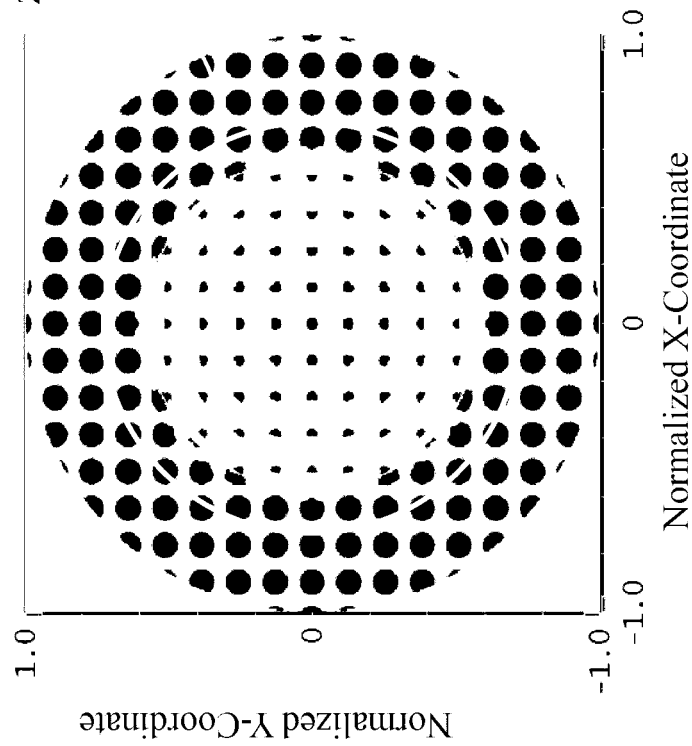
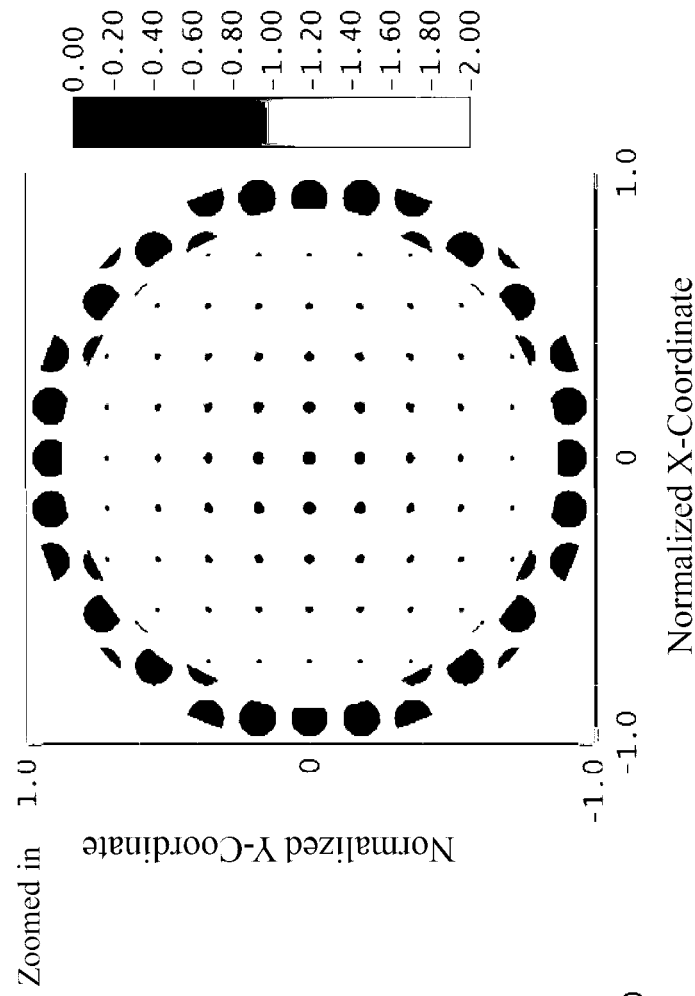


FIGURE 24B



Power Pupil Map - Spherical Power (Diopters)		
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5	
	-2D Myope with Lenslet example #6.zmx Configuration 1 of 1	

FIGURE 24C

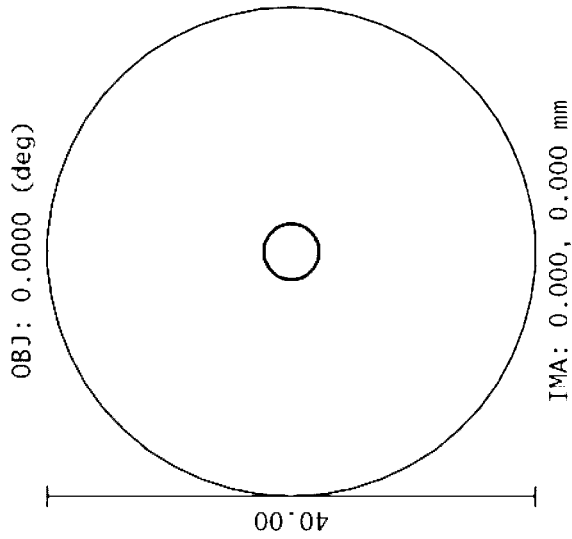
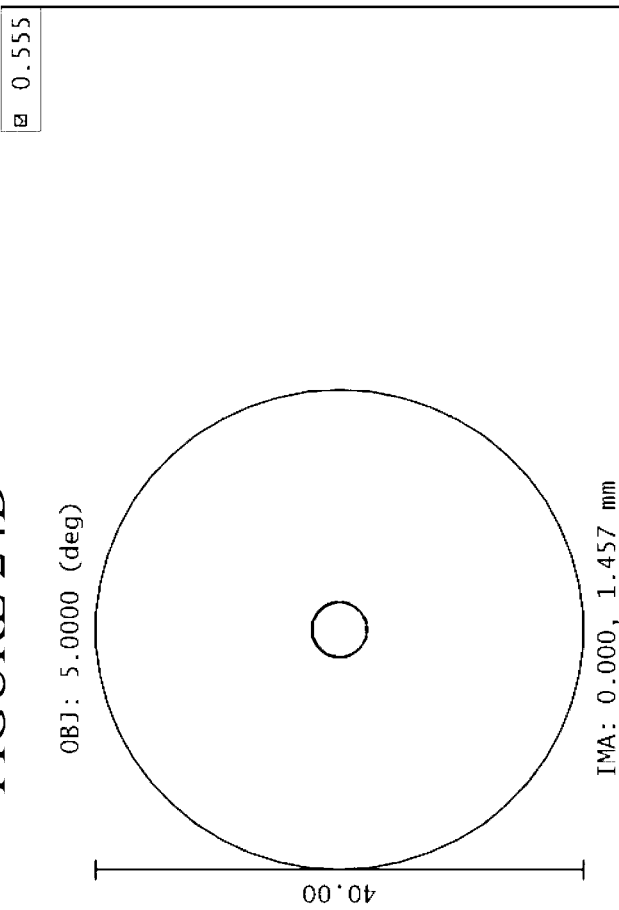


FIGURE 24D



Surface IMA: Retina		Surface IMA: Retina	
Spot Diagram		Spot Diagram	
Units are μm . Field : 1 RMS radius : 2.924 CFO radius : 7.191 Circle diam: 40 Airy Radius: 2.266 μm . Legend items refer to wavelengths Reference : Chief Ray		Units are μm . Field : 2 RMS radius : 3.142 CFO radius : 8.536 Circle diam: 40 Airy Radius: 2.266 μm . Legend items refer to wavelengths Reference : Chief Ray	
		Zemax Zemax OpticStudio 16.5 SP5 -2D Myope with lenslet example #6.7mx Configuration 1 of 1	

FIGURE 24E

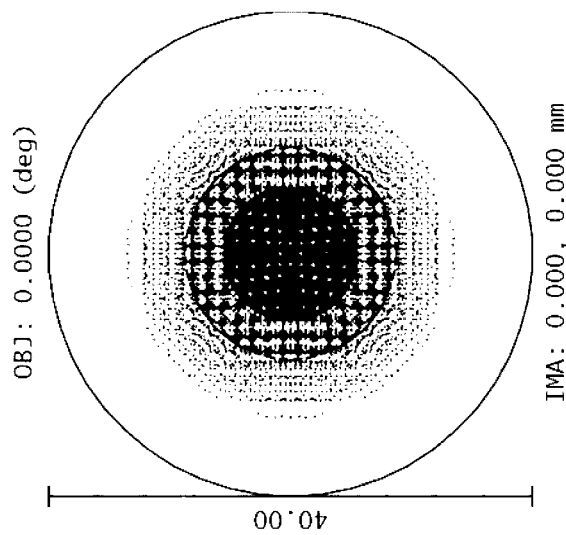
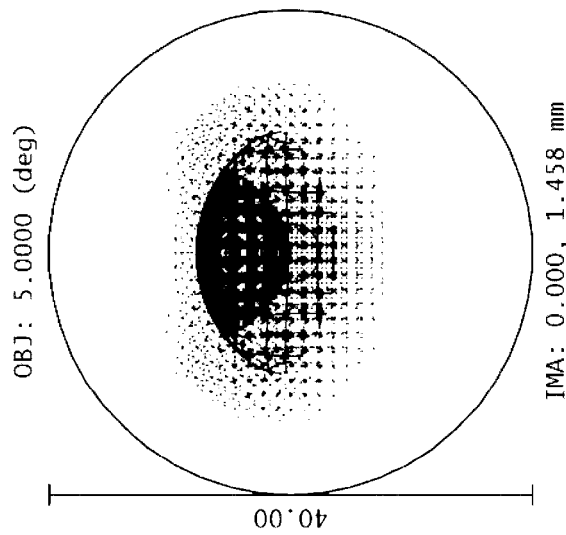


FIGURE 24F



0.59

Surface IMA: Retina		Surface IMA: Retina	
Spot Diagram		Spot Diagram	
Units are μm . Field : RMS radius : 7.083 GEO radius : 13.586 Circle diam: 40		Units are μm . Field : RMS radius : 6.473 GEO radius : 14.307 Circle diam: 40	
Airy Radius: 2.409 μm . Legend items refer to wavelengths Reference : Chief Ray		Airy Radius: 2.409 μm . Legend items refer to wavelengths Reference : Chief Ray	
		Zemax Zemax OpticStudio 16.5 SP5	
		-2D Myope with lenslet example #6.7mx Configuration 1 of 1	

FIGURE 25A

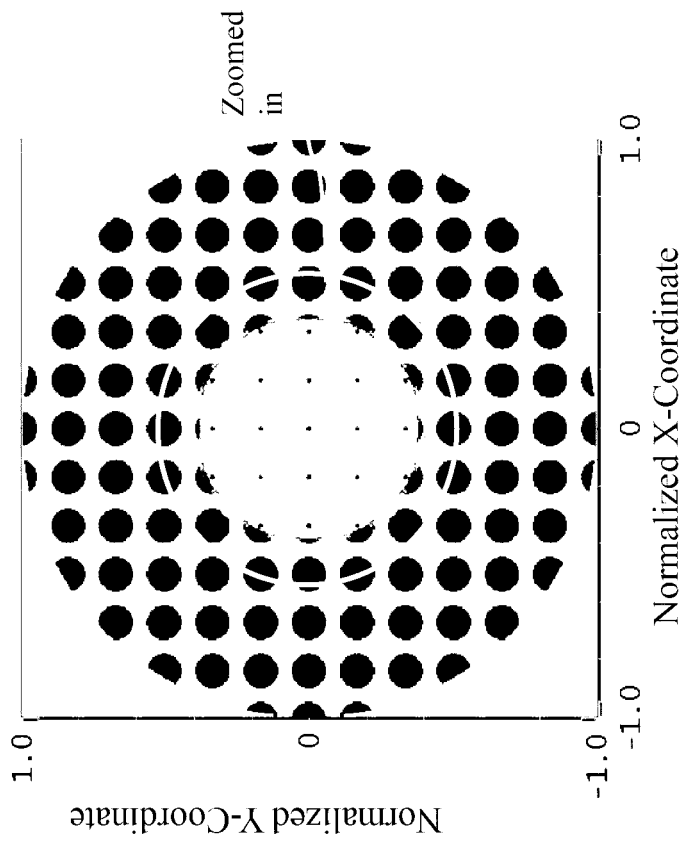
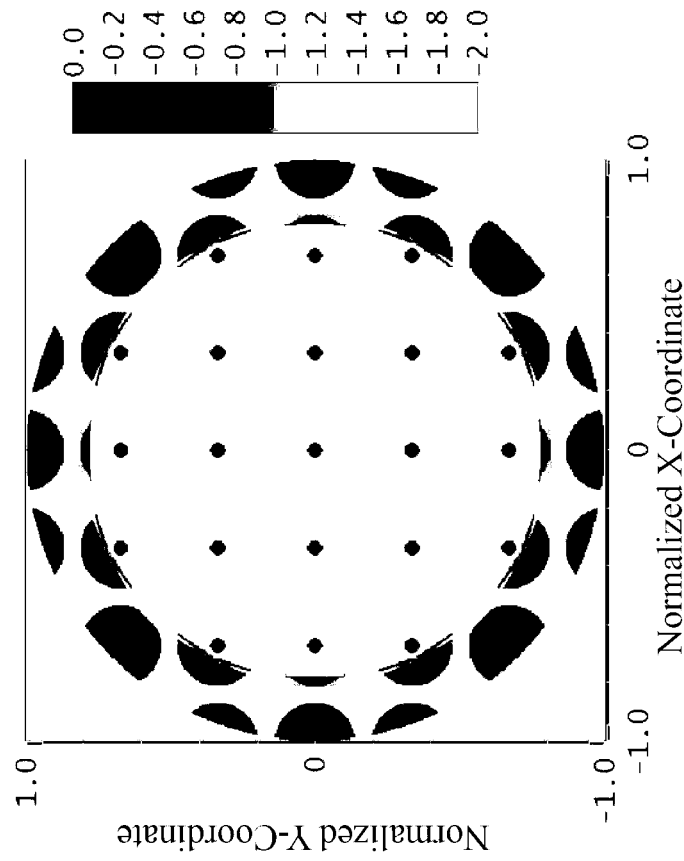


FIGURE 25B



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5
	-20 Myope with Lenslet example #7.zmx Configuration 1 of 1

FIGURE 25C

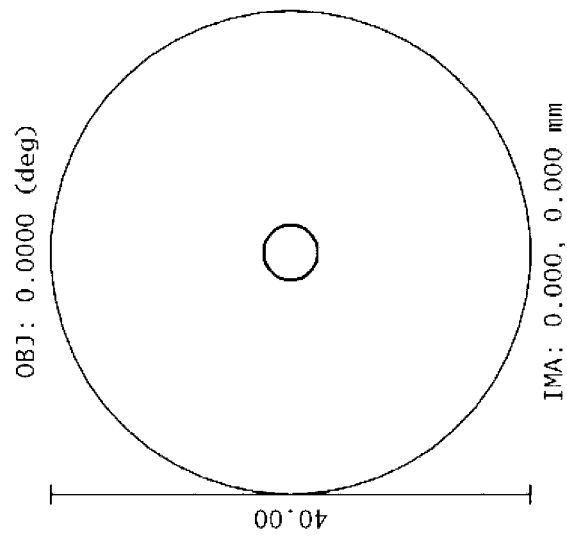
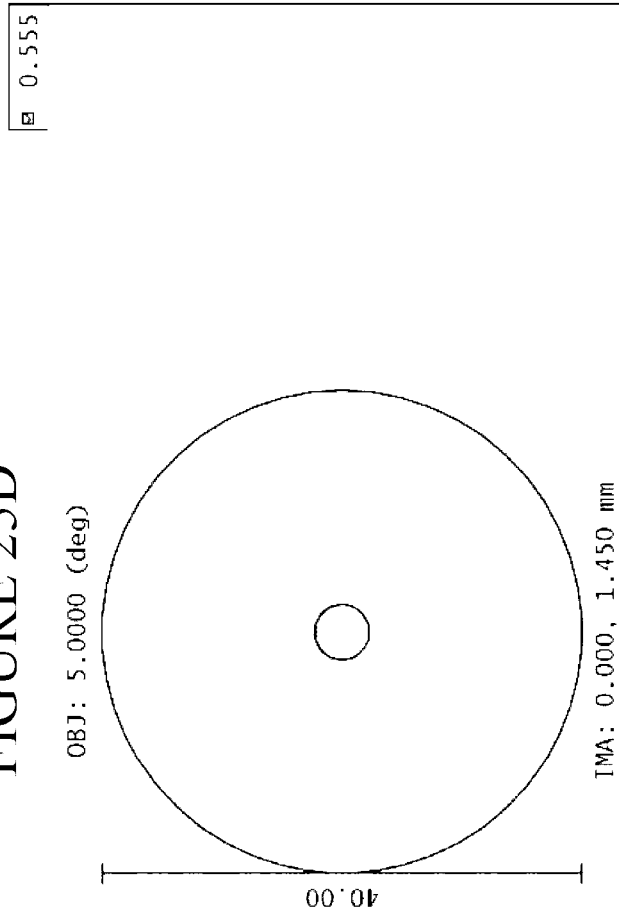


FIGURE 25D



Surface IMA: Retina	Surface IMA: Retina	Spot Diagram	Spot Diagram
Units are μm . Field : 1 RMS radius : 4.044 GEO radius : 8.747 Circle diam: 40	Units are μm . Field : 2 RMS radius : 8.192 GEO radius : 15.110 Circle diam: 40	Airy Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray	Airy Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray
			Zemax Zemax OpticStudio 16.5 SP5 -2D Myope with Lenslet example #7.zmx Configuration 1 of 1

FIGURE 25E

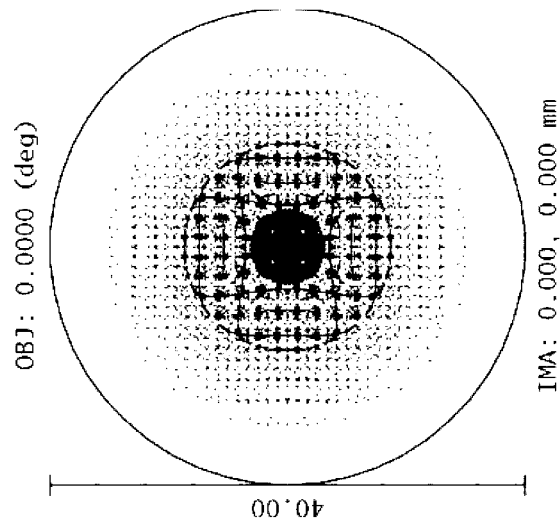
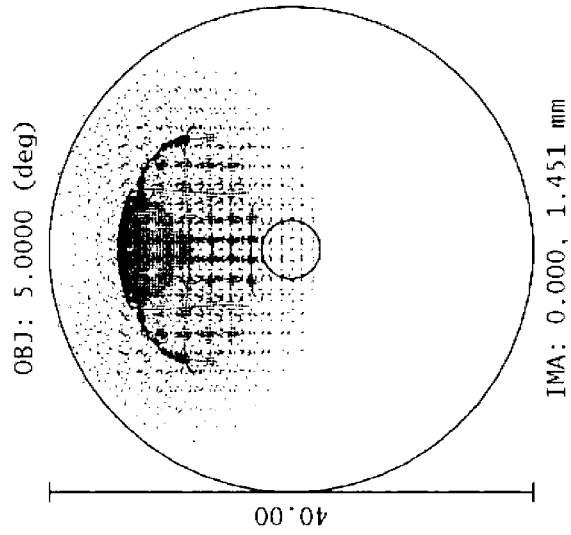


FIGURE 25F



0.59

Surface IMA: Retina

Units are μm . Airy Radius: 2.41 μm . Legend items refer to wavelengths
Field : 1
RMS radius : 7.615
GEO radius : 15.319
Circle diam: 40 Reference : Chief Ray

Spot Diagram

Surface IMA: Retina

Units are μm . Airy Radius: 2.41 μm . Legend items refer to wavelengths
Field : 2
RMS radius : 11.674
GEO radius : 20.379
Circle diam: 40 Reference : Chief Ray

Spot Diagram

Zemax
Zemax OpticStudio 16.5 SP5
-2D Wyope with Lenslet example #7.zmx
Configuration 1 of 1

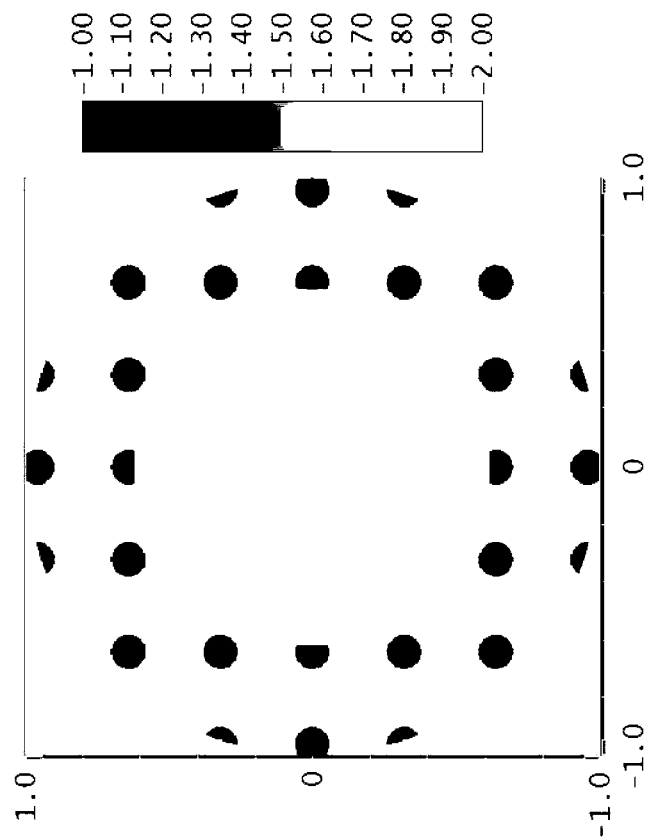


FIGURE 26A

Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #8.zmx Configuration 1 of 1

FIGURE 26C

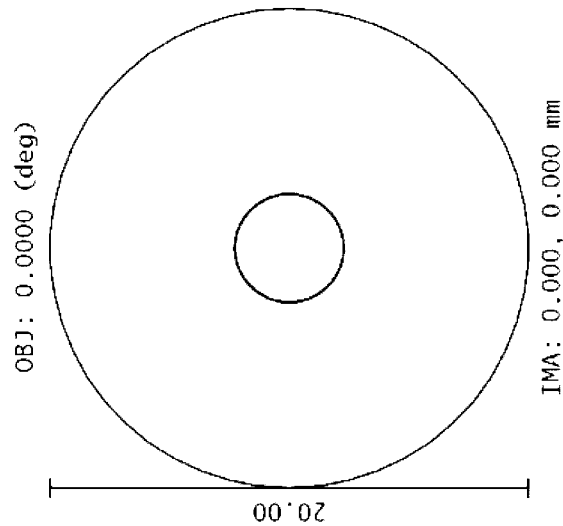
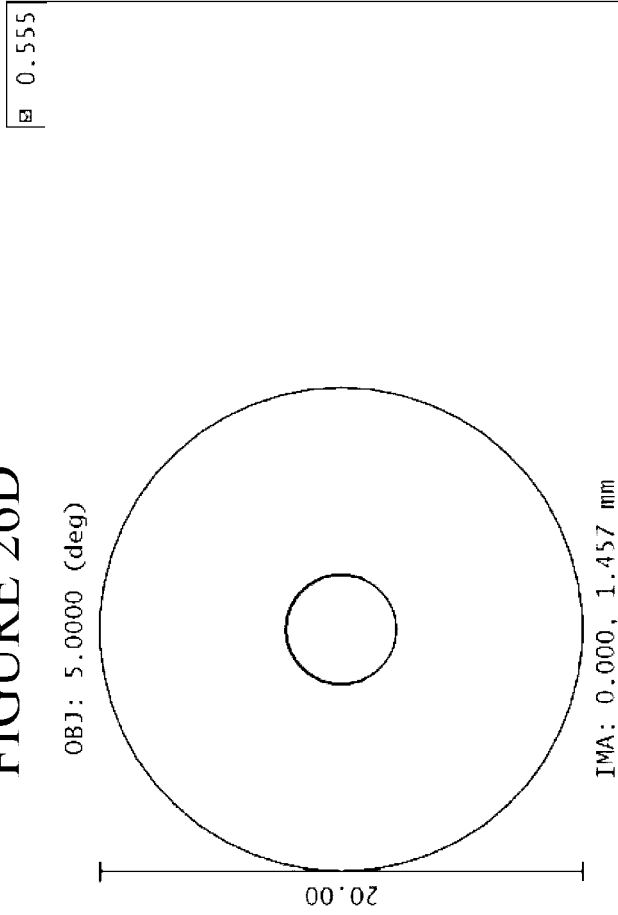


FIGURE 26D



0.555

Surface IMA: Retina	Surface IMA: Retina	Spot Diagram
Units are μm . Field : 1 RMS radius : 1.888 GEO radius : 5.266 Circle diam: 20	Units are μm . Field : 2 RMS radius : 2.709 GEO radius : 6.373 Circle diam: 20	Spot Diagram
Arry Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray	Arry Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray	
Zemax OpticStudio 16.5 Sp5 -20 Myope with Lenslet example #8.zmx Configuration 1 of 1		

FIGURE 26E

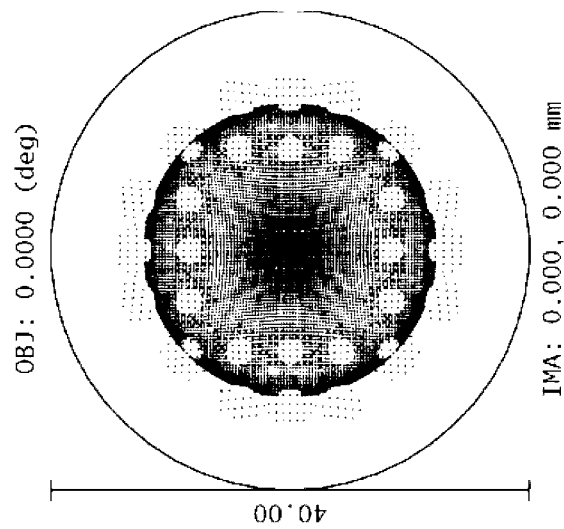
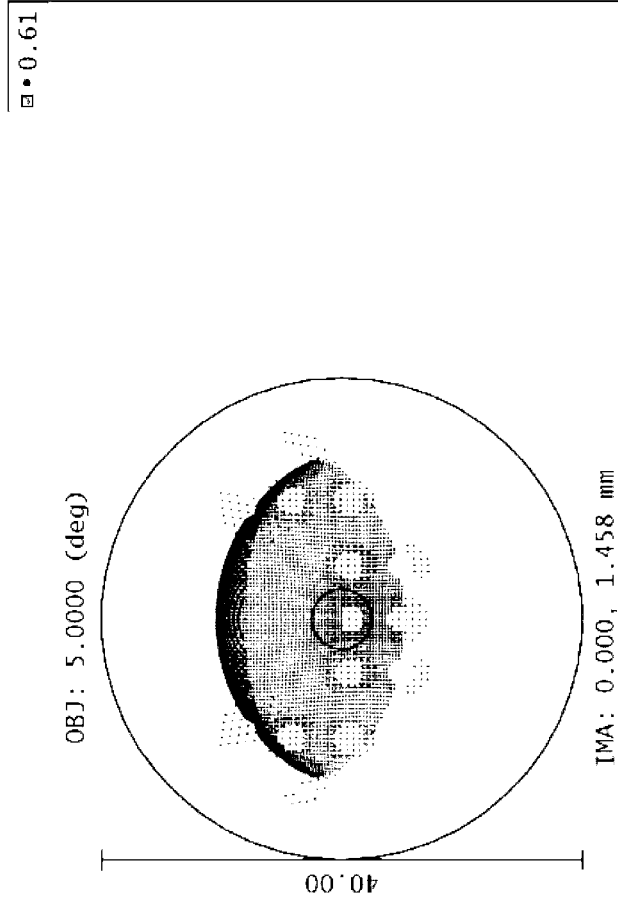


FIGURE 26F



Surface IMA: Retina	Spot Diagram	Surface IMA: Retina	Spot Diagram
Units are μm . Field : 1 RMS radius : 9.189 GEO radius : 14.947 Circle diam: 40 Reference : Chief Ray	Units are μm . Field : 1 RMS radius : 8.822 GEO radius : 16.185 Circle diam: 40 Reference : Chief Ray	Units are μm . Field : 1 RMS radius : 8.822 GEO radius : 16.185 Circle diam: 40 Reference : Chief Ray	Units are μm . Field : 1 RMS radius : 8.822 GEO radius : 16.185 Circle diam: 40 Reference : Chief Ray
Array Radius: 2.492 μm . Legend items refer to Wavelengths	Array Radius: 2.492 μm . Legend items refer to Wavelengths	Array Radius: 2.492 μm . Legend items refer to Wavelengths	Array Radius: 2.492 μm . Legend items refer to Wavelengths
Zemax OpticStudio 16.5 SP5	Zemax OpticStudio 16.5 SP5	Zemax OpticStudio 16.5 SP5	Zemax OpticStudio 16.5 SP5
-2D Myope with Lenslet example #8.zmx	-2D Myope with Lenslet example #8.zmx	-2D Myope with Lenslet example #8.zmx	-2D Myope with Lenslet example #8.zmx
Configuration 1 of 1	Configuration 1 of 1	Configuration 1 of 1	Configuration 1 of 1

FIGURE 27A

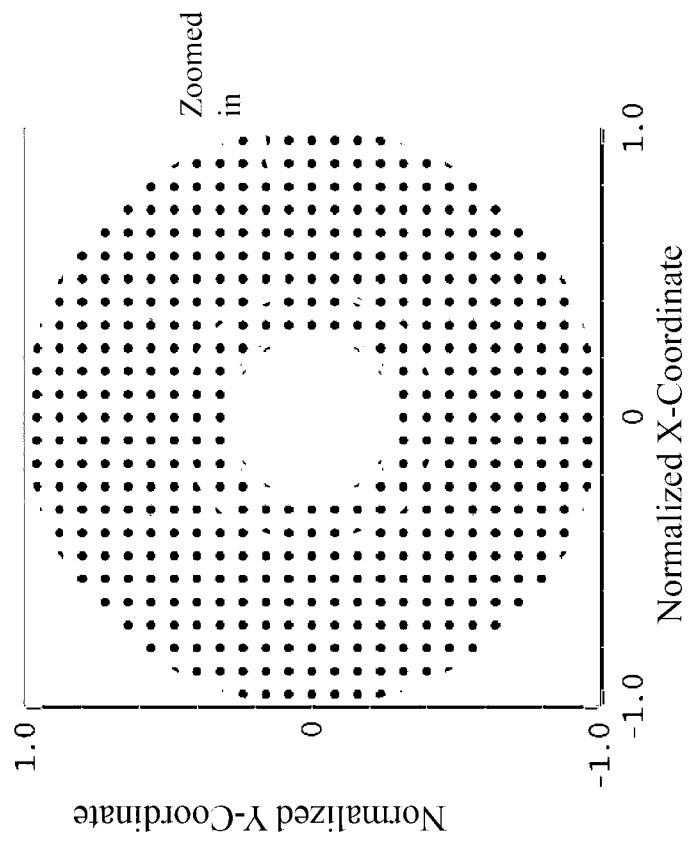
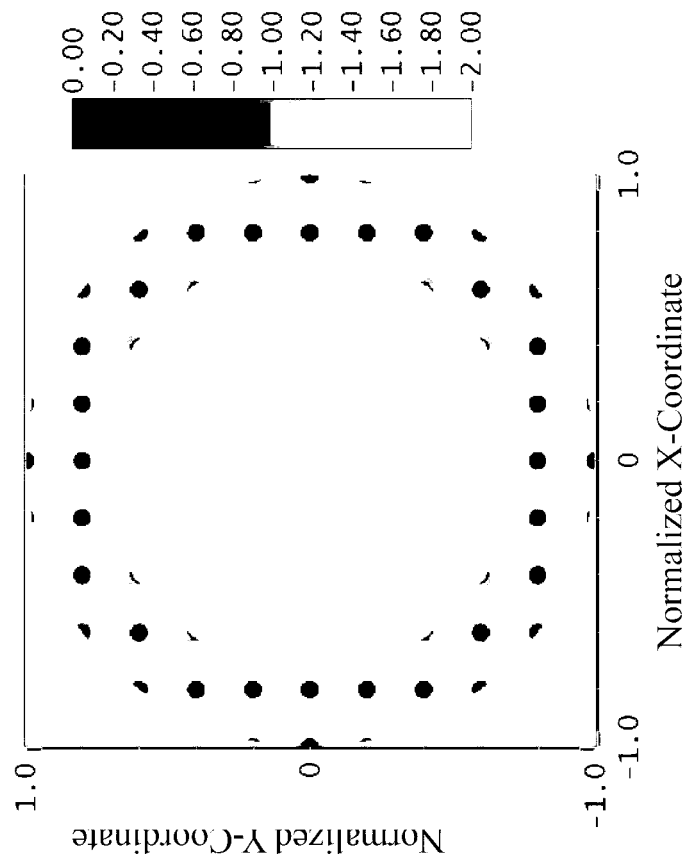


FIGURE 27B



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #9.zmx Configuration 1 of 1

FIGURE 27C

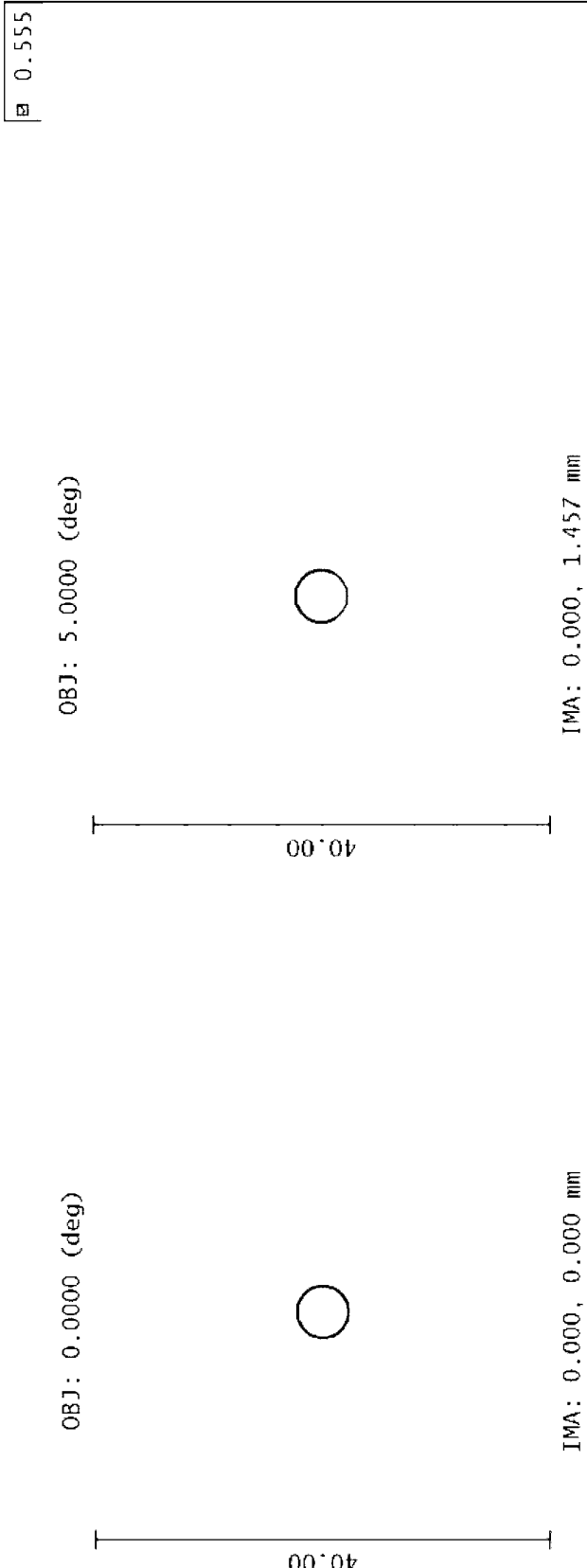
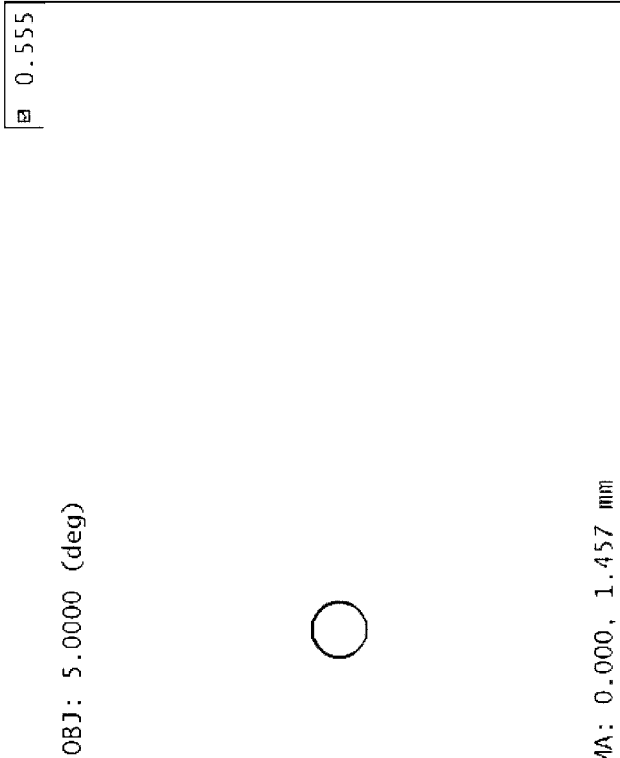


FIGURE 27D



Surface IMA: Retina	Surface IMA: Retina
Spot Diagram	Spot Diagram
Units are μm . Field : 1 RMS Radius : 1.748 GEO Radius : 3.798 Scale Bar : 40 Reference : Chief Ray	Units are μm . Field : 2 RMS Radius : 2.342 GEO Radius : 5.399 Scale Bar : 40 Reference : Chief Ray
Airy Radius: 2.267 μm . Legend items refer to Wavelengths	Airy Radius: 2.267 μm . Legend items refer to Wavelengths
Zemax OpticStudio 16.5 SPS	Zemax OpticStudio 16.5 SPS
-20 Myope with Lenslet example #9.zmx	-20 Myope with Lenslet example #9.zmx
Configuration 1 of 1	Configuration 1 of 1

FIGURE 27E

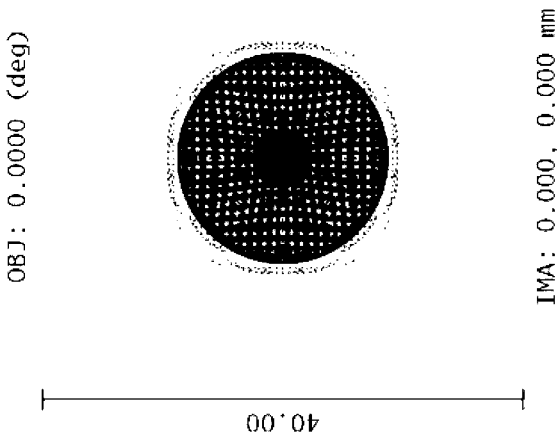
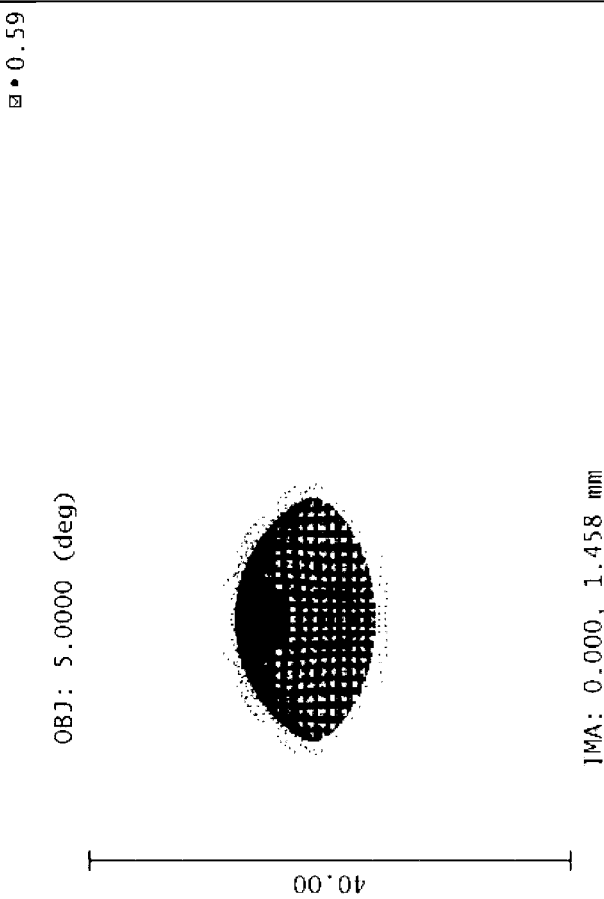


FIGURE 27F



Surface IMA: Retina		Surface IMA: Retina		Spot Diagram	
Units are μm .		Units are μm .		Zemax	
Field	1	Field	1	Zemax OpticStudio 16.5 SP5	
RMS radius	6.651	RMS radius	6.630	Legend items refer to wavelengths	
GEO radius	10.339	GEO radius	11.372	-2D Myope with Lenslet example #9.zmx	
Scale bar	40	Scale bar	40	Configuration 1 of 1	
Reference : Chief Ray		Reference : Chief Ray			

FIGURE 28A

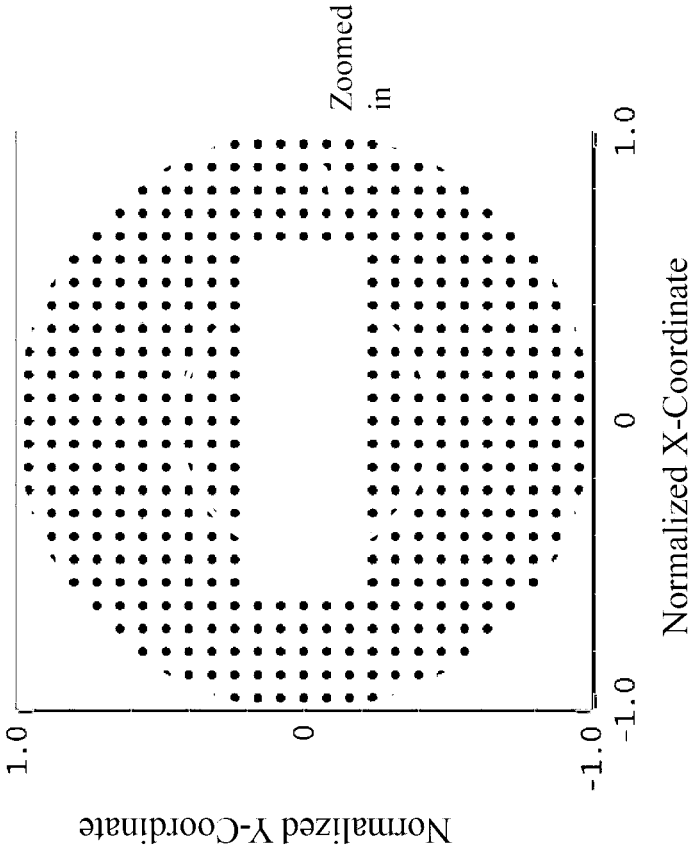
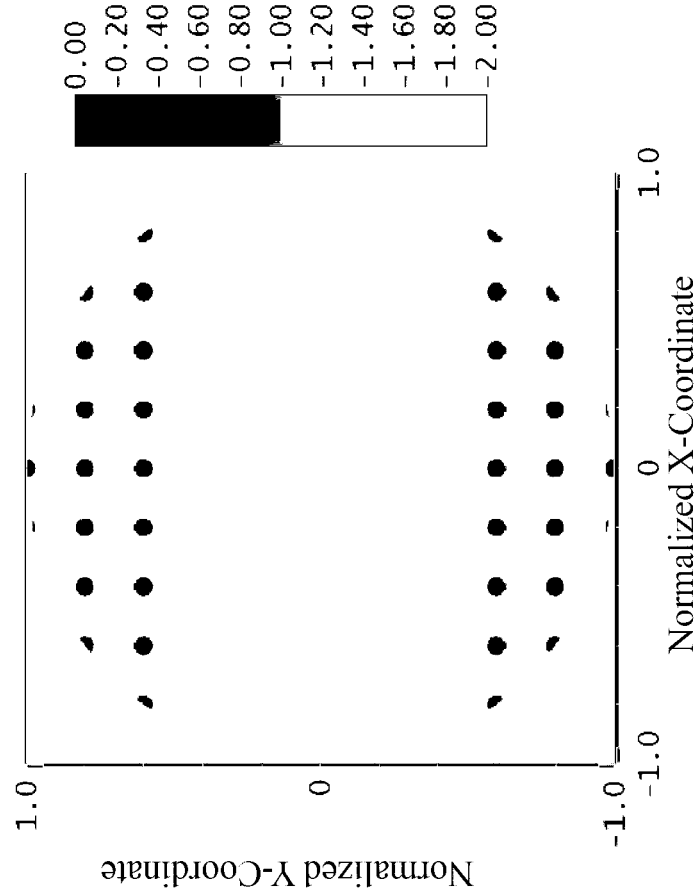


FIGURE 28B



Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax
	Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #10.zmx Configuration 1 of 1

FIGURE 28C

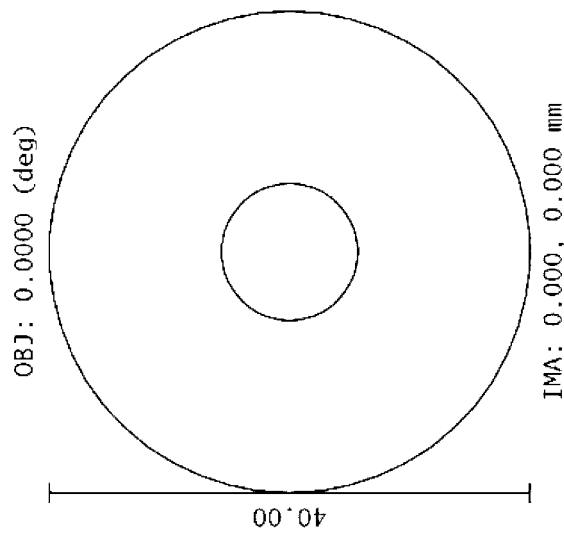
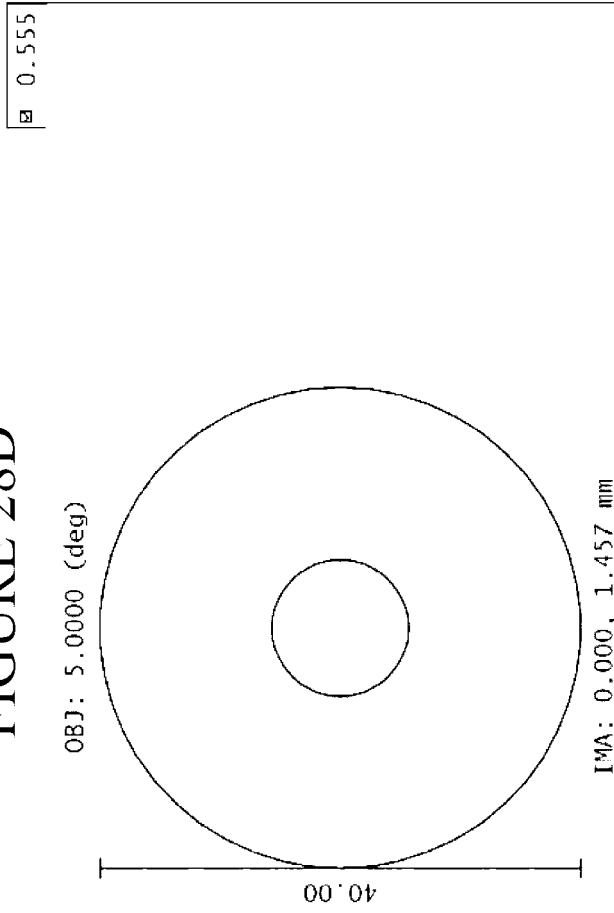


FIGURE 28D



Surface IMA: Retina

Surface IMA: Retina

Spot Diagram

Spot Diagram

Units are μm .
Field : 1
RMS radius : 0.402
GEO radius : 1.967
Circle diam: 40
Reference : Chief Ray

Units are μm .
Field : 1
RMS radius : 1.172
GEO radius : 3.199
Circle diam: 40
Reference : Chief Ray

Zemax
Zemax OpticStudio 16.5 SP5
-2D Myope with Lenslet example #10.zmx
Configuration 1 of 1

FIGURE 28E

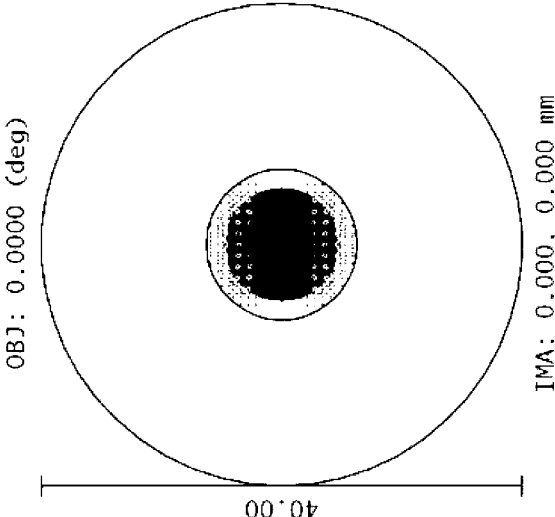
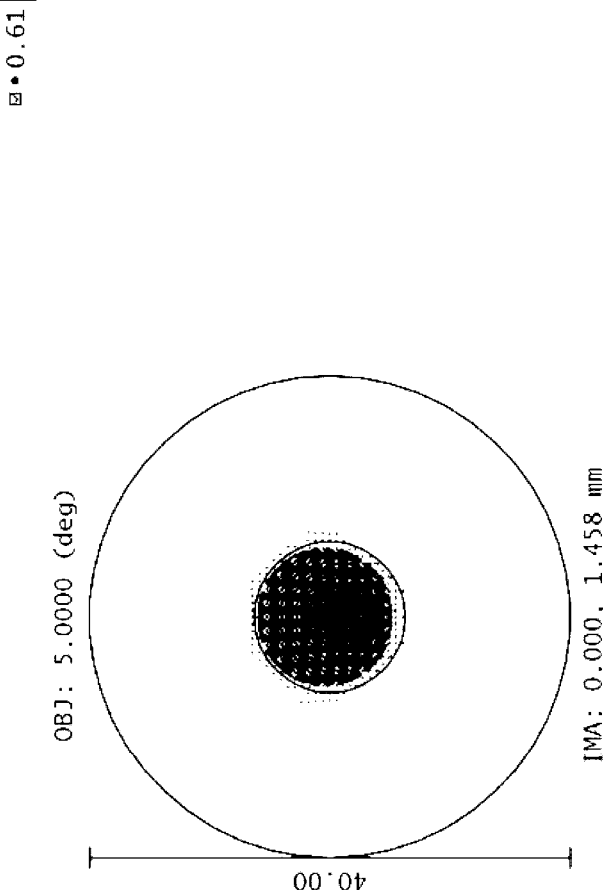


FIGURE 28F



0.061

Surface IMA: Retina		Surface IMA: Retina	
Spot Diagram		Spot Diagram	
Units are μm . Field : 1 RMS radius : 3.219 GEO radius : 6.131 Circle diam: 40	Airy Radius: 6.23 μm . Legend items refer to wavelengths Reference : Chief Ray	Units are μm . Field : 2 RMS radius : 3.969 GEO radius : 7.410 Circle diam: 40	Airy Radius: 6.23 μm . Legend items refer to wavelengths Reference : Chief Ray
		Zemax Zemax OpticStudio 16.5 SP5 -20 Myope with Lenslet example #10.zmx Configuration 1 of 1	

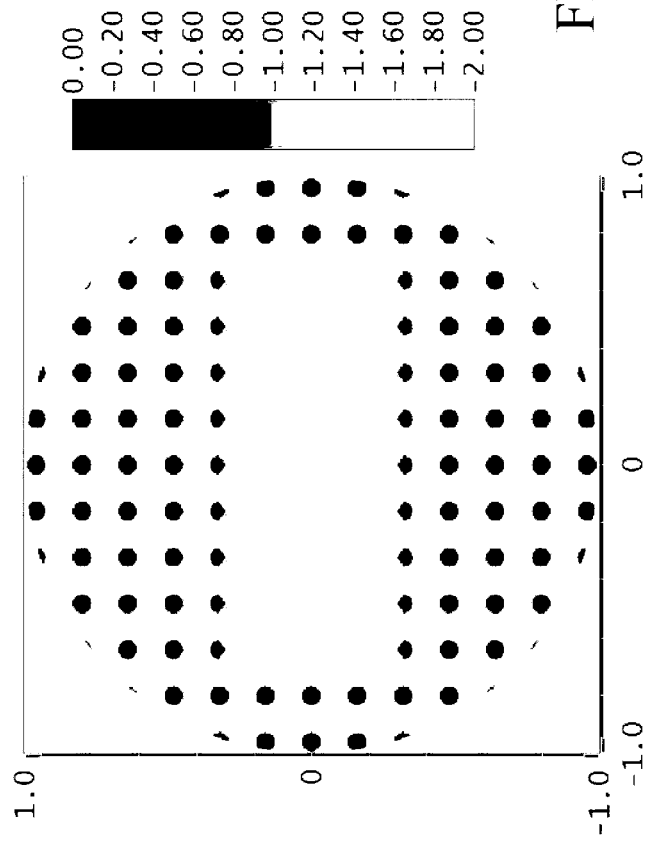


FIGURE 29(A)

Power Pupil Map - Spherical Power (Diopters)	
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5
	-2D Myope with Lenslet example #11.zmx Configuration 1 of 1

FIGURE 29C

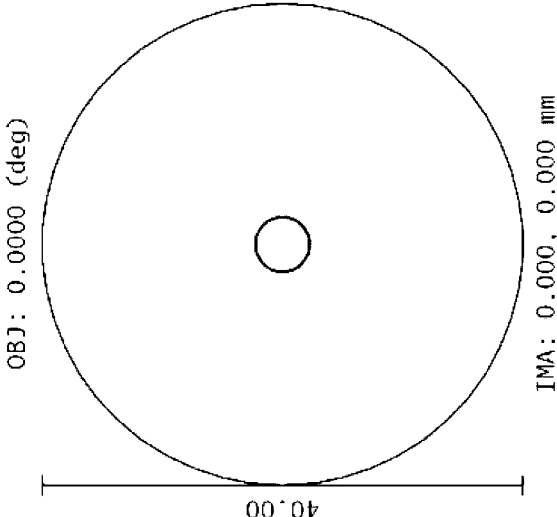
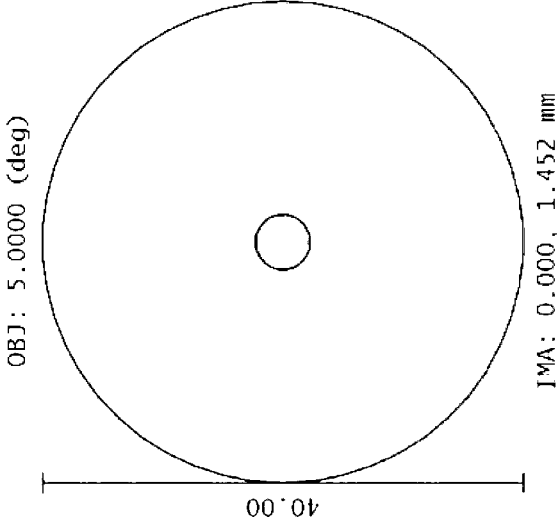


FIGURE 29D



0.555

Surface IMA: Retina	Surface IMA: Retina	Spot Diagram	Spot Diagram
Units are μm . 1 field RMS radius : 2.481 GEO radius : 8.787 Circle diam: 40 Airy Radius: 2.269 μm . Legend items refer to Wavelengths Reference : Chief Ray	Units are μm . 2 field RMS radius : 5.746 GEO radius : 12.688 Circle diam: 40 Airy Radius: 2.269 μm . Legend items refer to Wavelengths Reference : Chief Ray		Zemax Zemax OpticStudio 16.5 SP5 -2D Myope with Lenslet example #11.zmx Configuration 1 of 1

FIGURE 29E

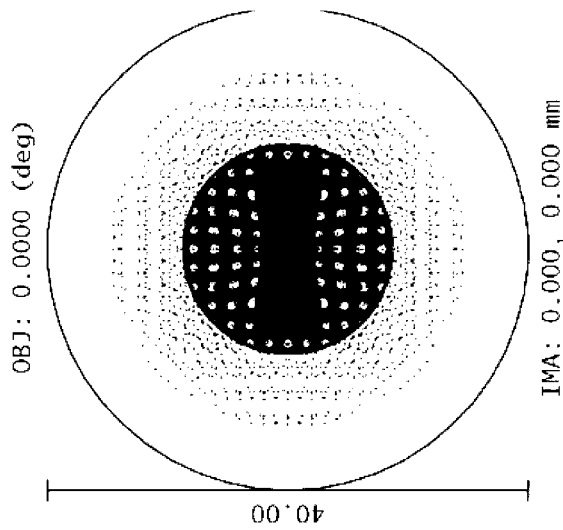
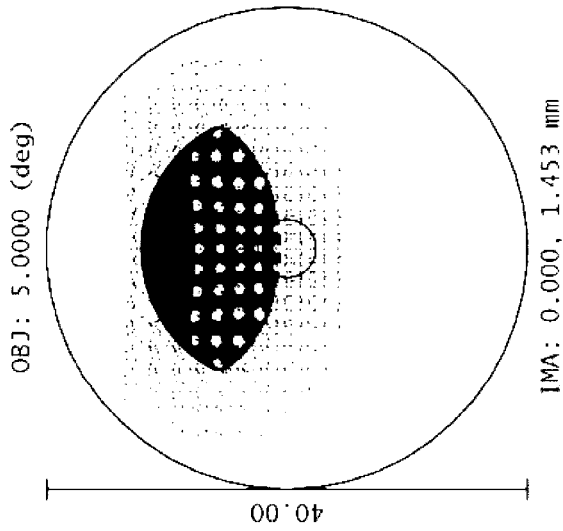


FIGURE 29F



0.59

Surface IMA: Retina	Surface IMA: Retina	Spot Diagram	Spot Diagram
Units are μm . Field : RMS radius : GEO radius : Circle diam: 40	Airy Radius: 2.412 μm . Legend items refer to Wavelengths 9.517 18.181 Reference : Chief Ray	Units are μm . Field : RMS radius : GEO radius : Circle diam: 40	Airy Radius: 2.412 μm . Legend items refer to Wavelengths 9.517 18.181 Reference : Chief Ray
			Zemax /Zemax OpticStudio 16.5 SP5 -20 Myope with Lenslet example #11.zmx Configuration 1 of 1

FIGURE 30A

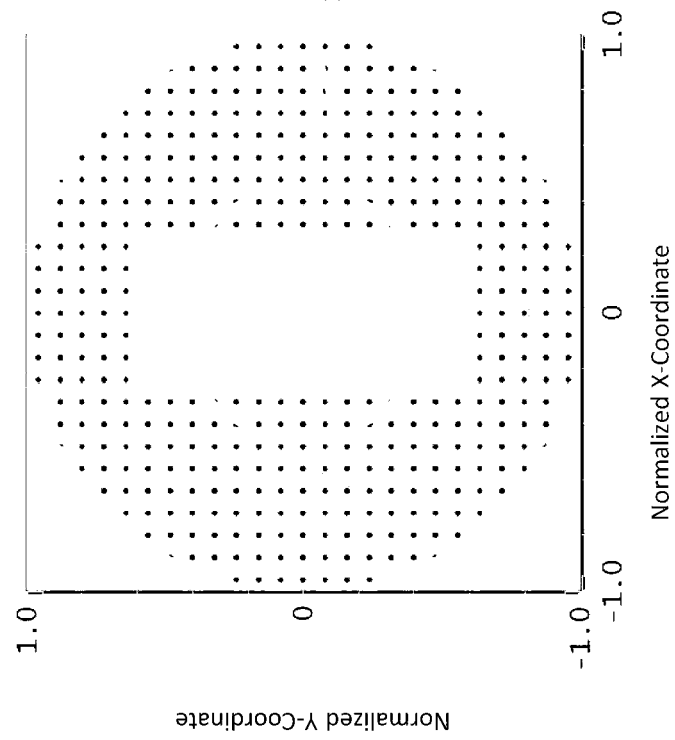
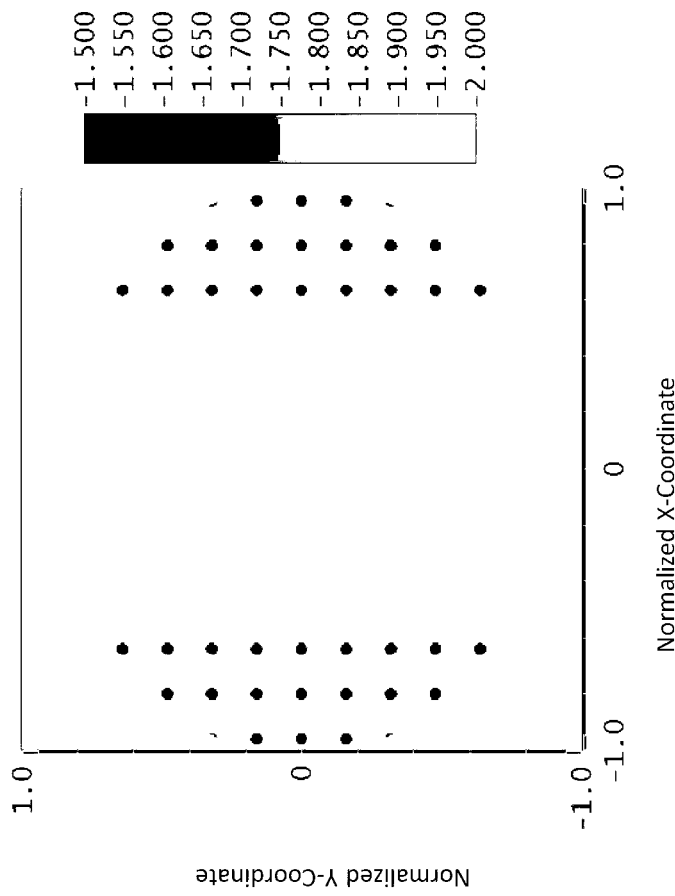


FIGURE 30B



Power Pupil Map - Spherical Power (Diopters)		
Field: 0.0000 (deg) Wavelength: 0.5550 μm Computed after refraction from surface 4	Zemax Zemax OpticStudio 16.5 SP5	
	-2D Myope with Lenslet example #13.zmx Configuration 1 of 1	

FIGURE 30C

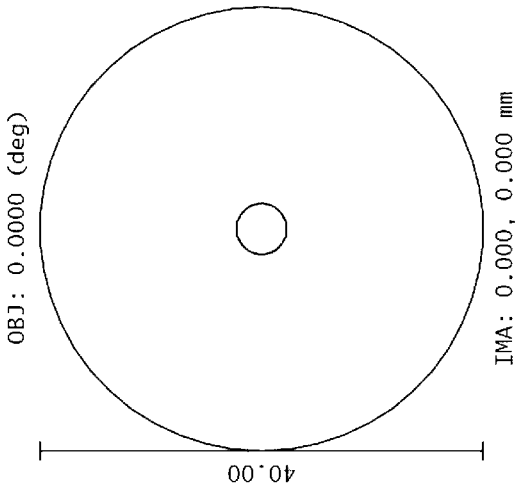
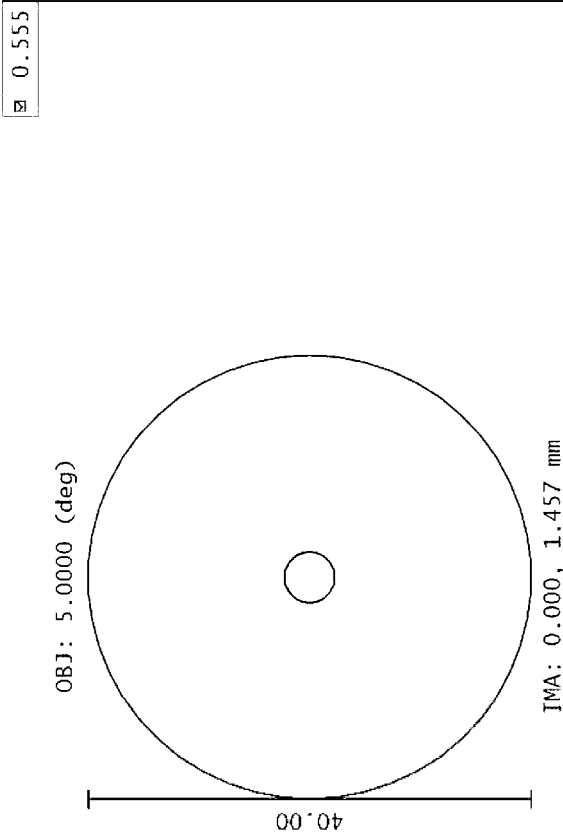


FIGURE 30D



Surface IMA: Retina	Surface IVA: Retina	Spot Diagram	Spot Diagram
Units are μm . Field : 1 RMS radius : 1.675 Circ radius : 2.683 Circle diam: 40 Airy Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray	Units are μm . Field : 2 RMS radius : 2.277 Circ radius : 4.598 Circle diam: 10 Airy Radius: 2.267 μm . Legend items refer to Wavelengths Reference : Chief Ray		Zemax Zemax OpticStudio 16.5 SP5 -2D Myope with Lenslet example #13.zmx Configuration 1 of 1

FIGURE 30E

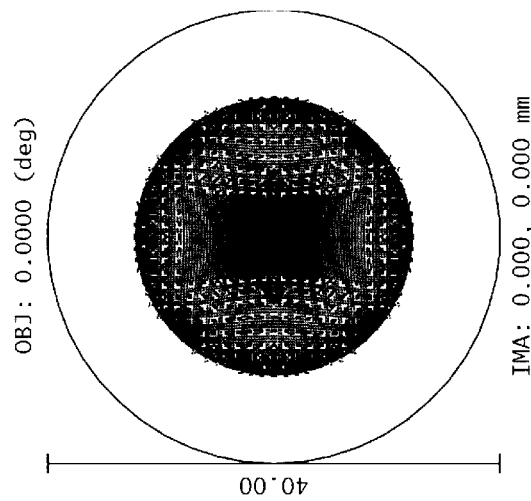
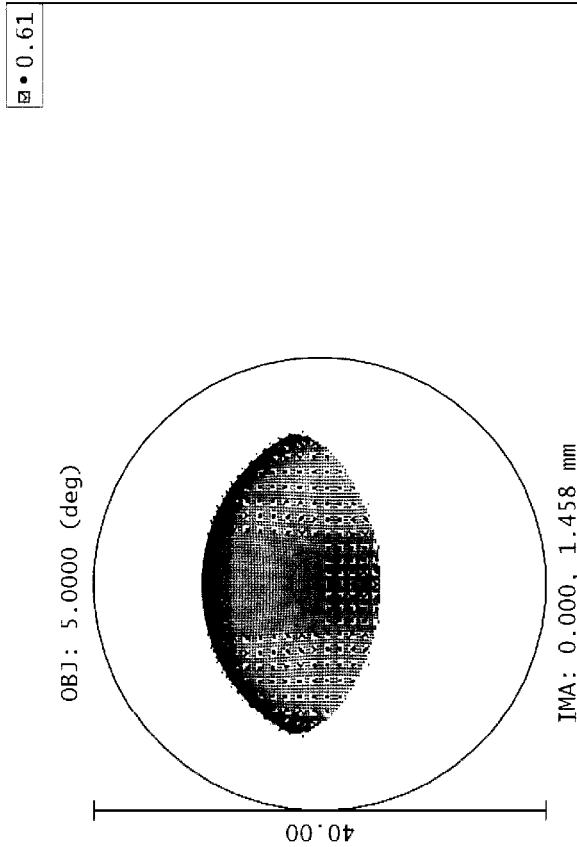


FIGURE 30F



0.61

Surface IMA: Retina		Surface IMA: Retina	
Spot Diagram		Spot Diagram	
Units are μm . Field : 1 RMS Radius : 9.137 GEO Radius : 12.609 Circle diam: 40 Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray		Units are μm . Field : 2 RMS Radius : 8.772 GEO Radius : 13.548 Circle diam: 40 Airy Radius: 2.491 μm . Legend items refer to Wavelengths Reference : Chief Ray	
Zemax Zemax OpticStudio 16.5 SP5		Zemax Zemax OpticStudio 16.5 SP5	
		-2D Myope with Lenslet example #13.zmx Configuration 1 of 1	

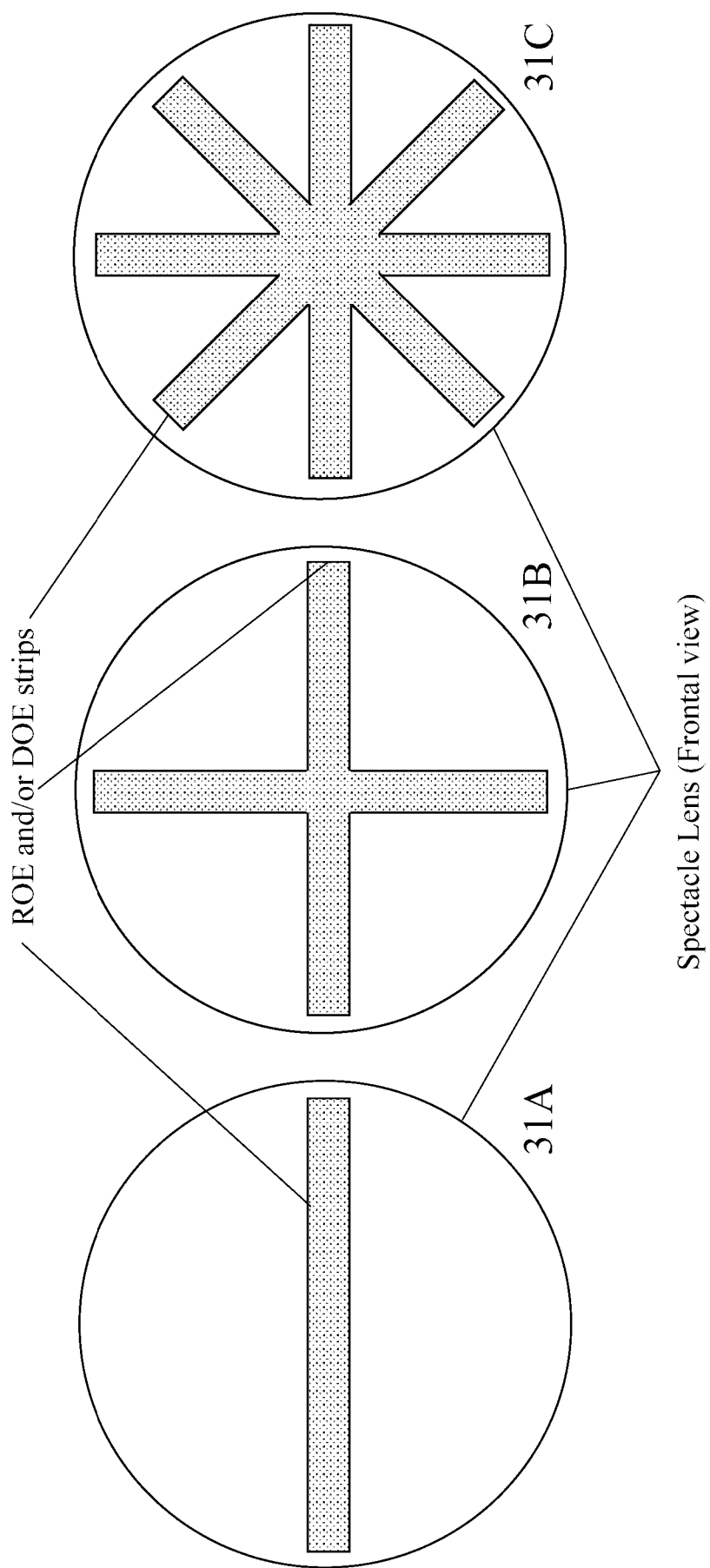


FIGURE 31

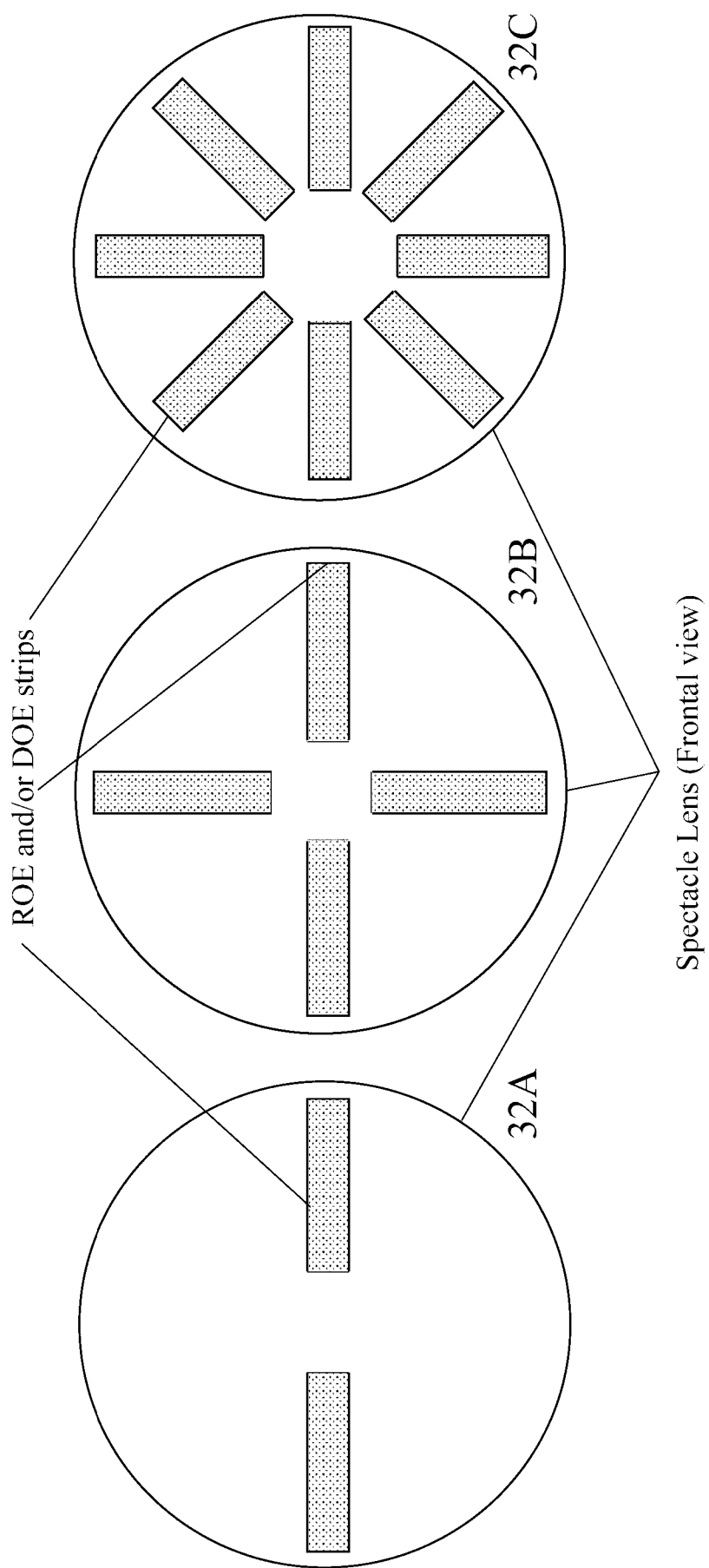


FIGURE 32

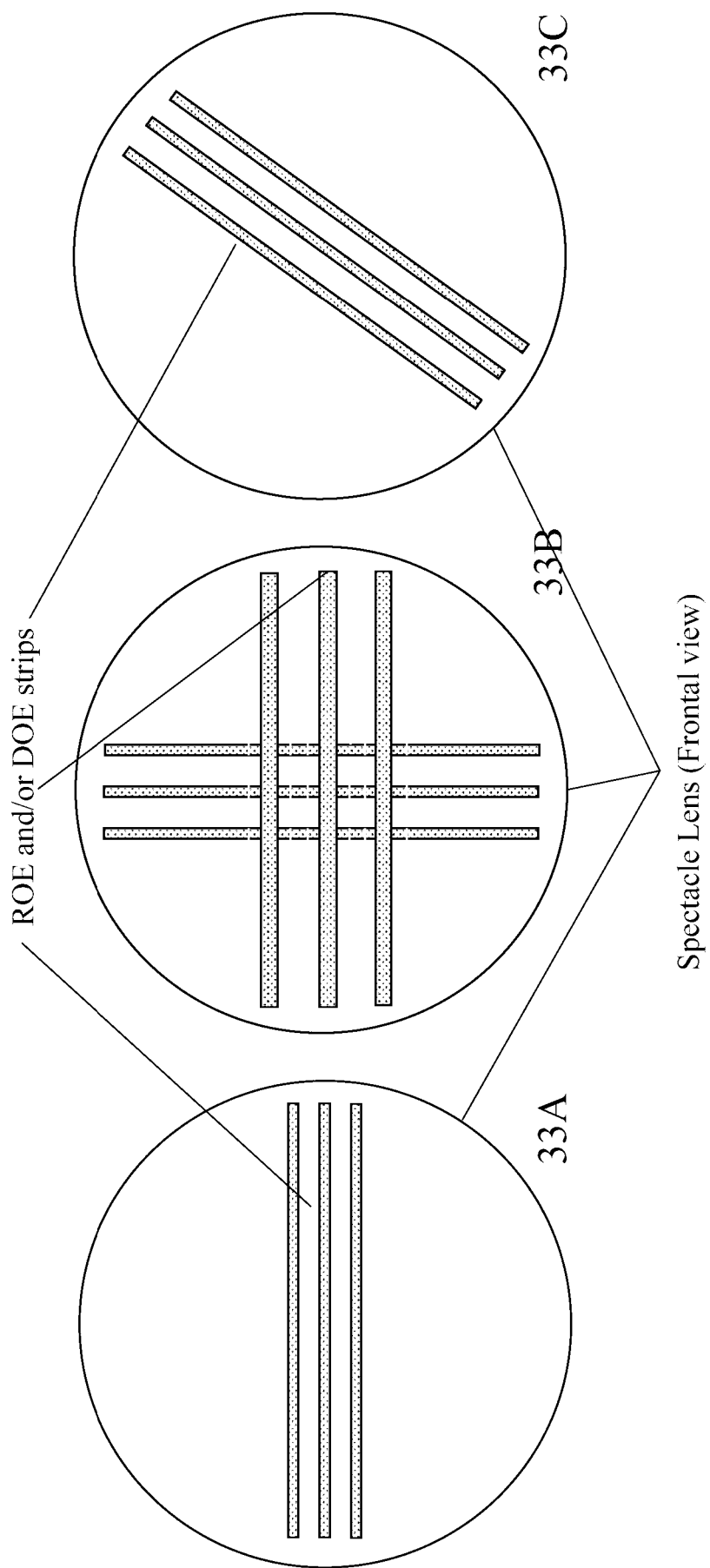


FIGURE 33

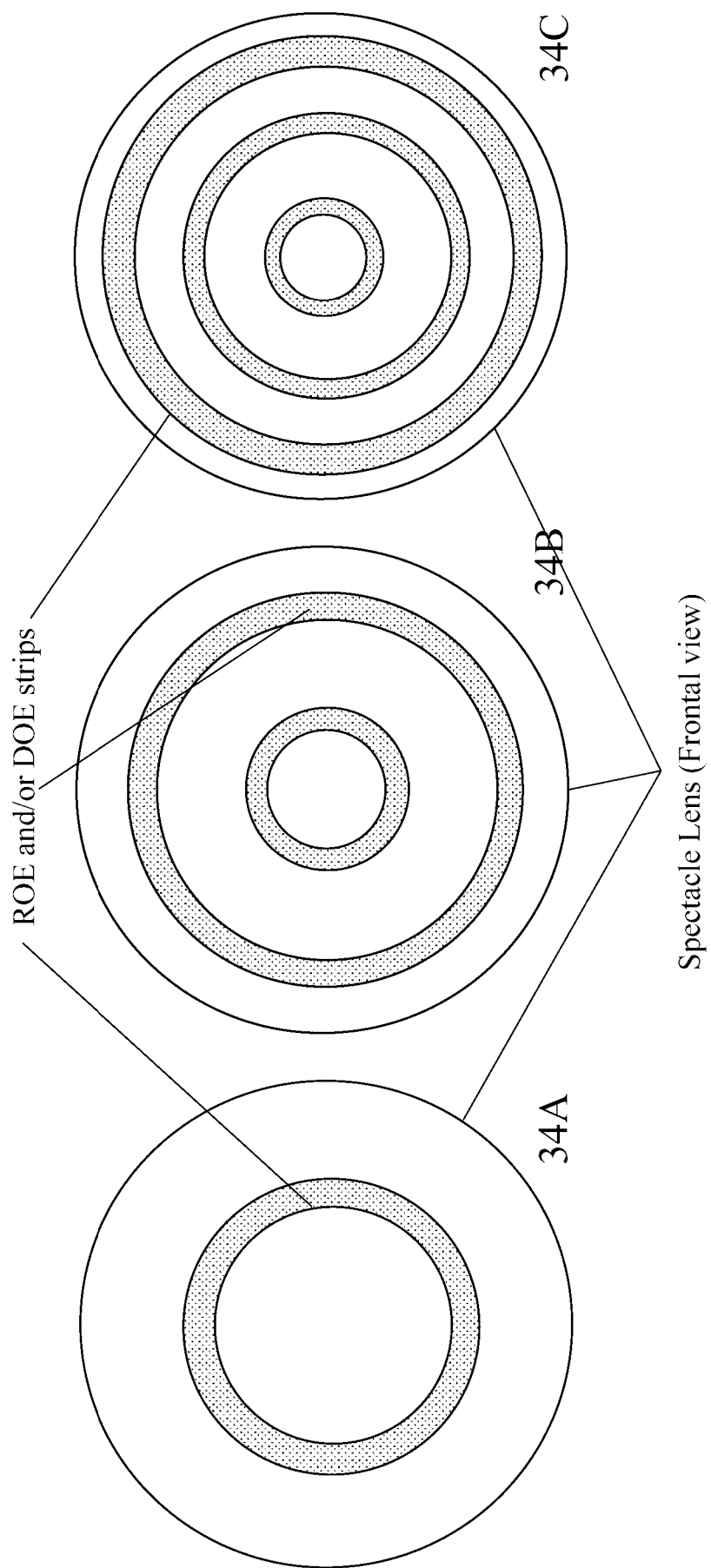


FIGURE 34

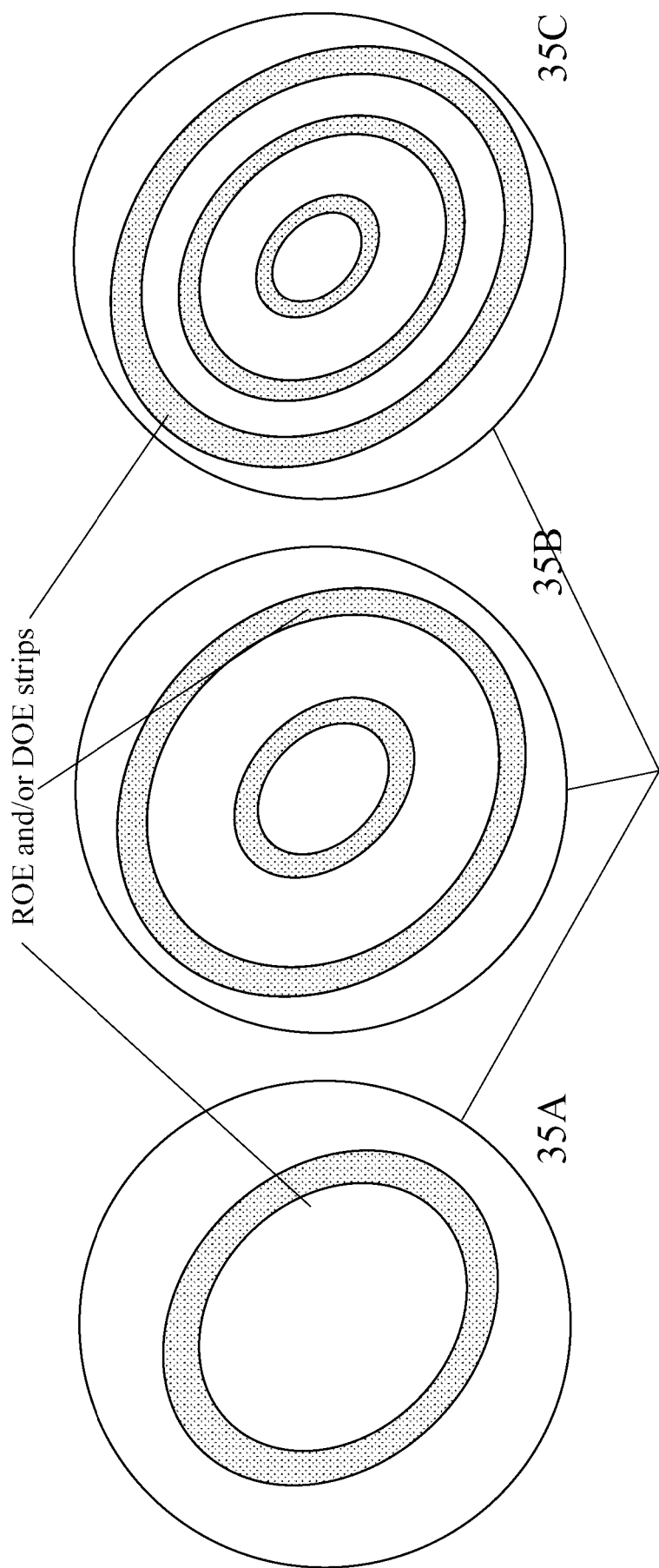


FIGURE 35

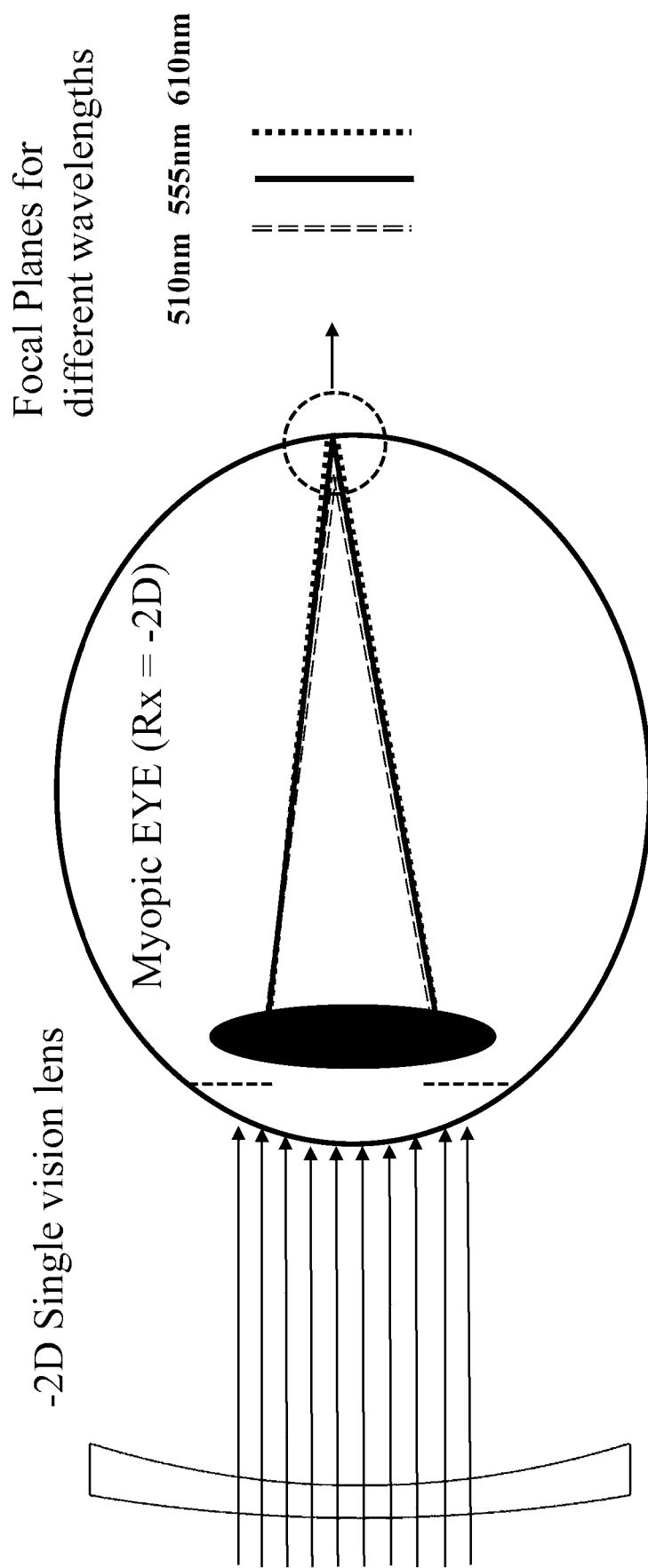


FIGURE 36

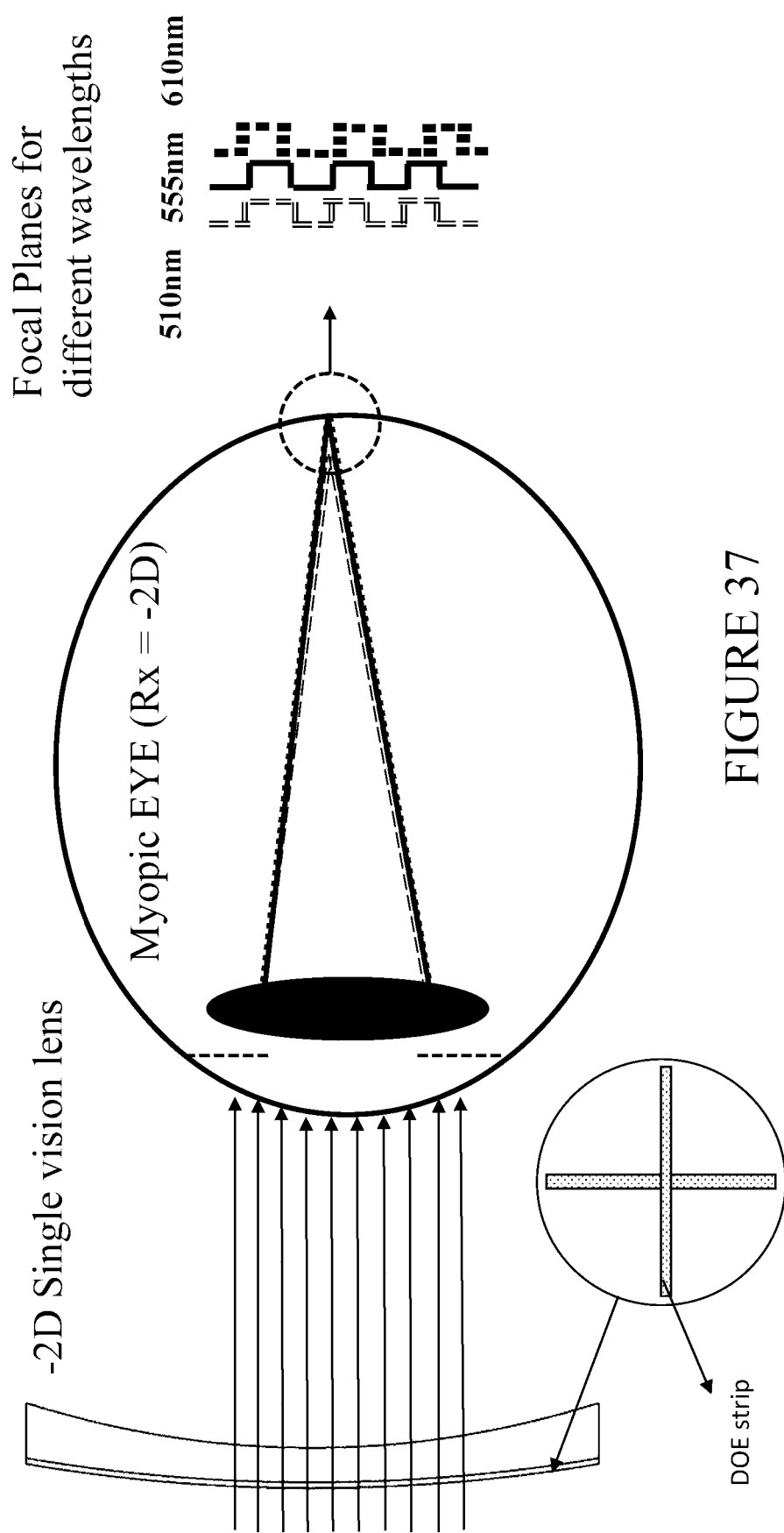


FIGURE 37