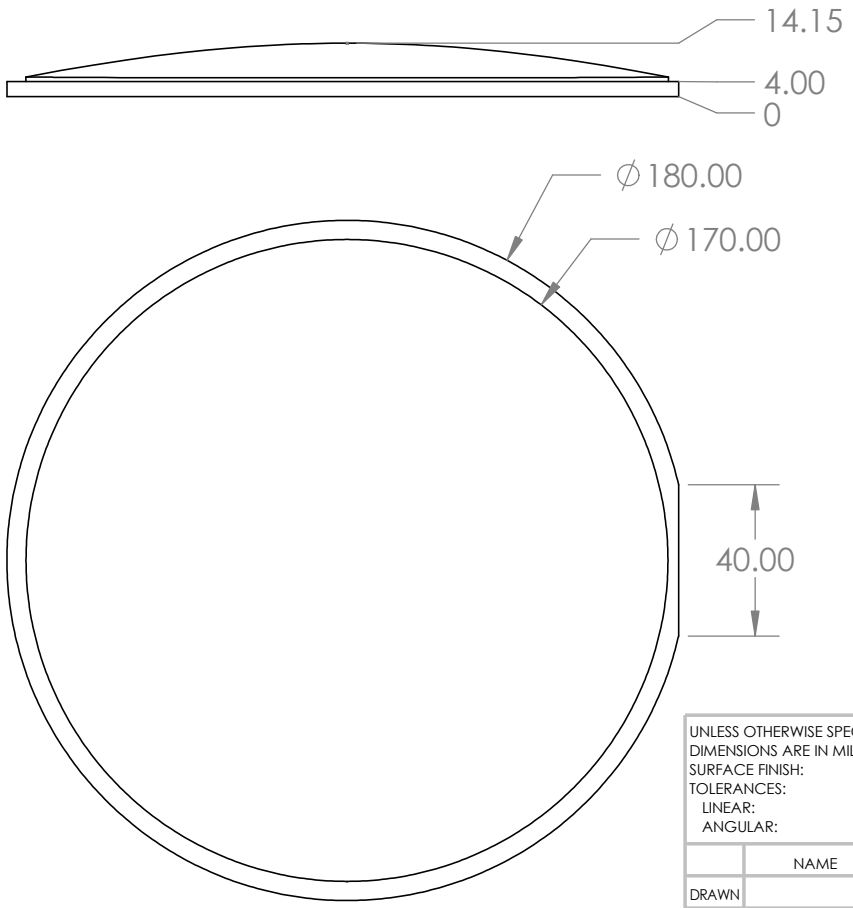
SurfType	Radius	Thickness	Semi-Diameter	Conic	X Radius	X Conic	Norm Radius
Biconic Zernike	3.1833e+02	1.4152e+01	8.5000e+01	-1.6820e+01	3.7107e+02	-7.3054e+00	1.0000e+02

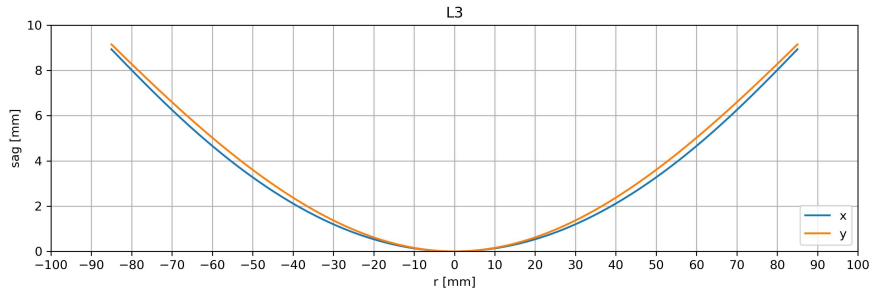
X^1	X^2	X^3	X^4	X^5	X^6	X^7	X^8	X^9	X^10	X^11	X^12	X^13	X^14	X^15	X^16
0.0000e+00	-9.8282e-07	0.0000e+00	1.9185e-10	0.0000e+00	7.6709e-15	0.0000e+00	-3.5975e-18	0.0000e+00	-1.5933e-21	0.0000e+00	-4.9065e-25	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00

Y^1	Y^2	Y^3	Y^4	Y^5	Y^6	Y^7	Y^8	Y^9	Y^10	Y^11	Y^12	Y^13	Y^14	Y^15	Y^16
0.0000e+00	2.7640e-06	0.0000e+00	-3.3734e-10	0.0000e+00	-6.3985e-14	0.0000e+00	-9.5073e-18	0.0000e+00	-1.1712e-21	0.0000e+00	-5.4911e-26	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00

$$z(x,y) = \frac{c_x x^2 + c_y y^2}{1+\sqrt{1-(1-k_x)c_x^2 x^2 - (1+k_y)c_y^2 y^2}} + \sum_{i=1}^{16} \alpha_i x^i + \sum_{j=1}^{16} \beta_j y^j$$



	r=0 mm	r=10 mm	r=20 mm	r=30 mm	r=40 mm	r=50 mm	r=60 mm	r=70 mm	r=80 mm	r=90 mm
x	0.000	0.134	0.536	1.200	2.117	3.276	4.663	6.256	8.017	9.855
y	0.000	0.157	0.620	1.369	2.376	3.607	5.027	6.599	8.284	10.027



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION	
	NAME	SIGNATURE	DATE				TITLE: Biconic Lens 3
DRAWN							
CHK'D							
APPV'D							
MFG							
Q.A				MATERIAL:		DWG NO. ver1	A4
				WEIGHT:		SCALE:1:2	SHEET 1 OF 1