NOTES:

- 1. SUBSTRATE: N-BK7
- 2. CENTERING TOLERANCE (AT 587.6nm): BEAM DEVIATION (HALF ANGLE): <3 arcmin

3. COATING (APPLY ACROSS COATING APERTURE) S1: VIS (350-700nm) Ravg < 0.5% @ 350 - 700nm @ ±30° AOI Rabs < 1.5% @ 350 - 700nm @ ±30° AOI S2: VIS (350-700nm)

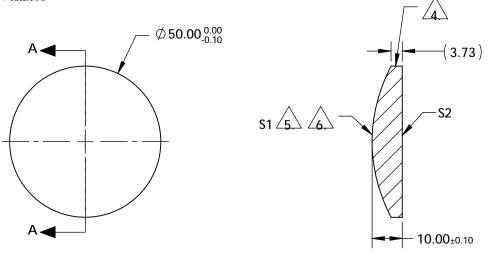
Ravg < 0.5% @ 350 - 700nm @ ±30° AOI Rabs < 1.5% @ 350 - 700nm @ ±30° AOI

EDGES: FINE GROUND

ASPHERIC FIGURE ERROR: 0.75 µm RMS

ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

$$Z_{\text{\tiny ASPH}}\left(Y\right) = \frac{(\sqrt{|P_{ADIUS}|^{3}Y^{2}})}{1 + \sqrt{1 - (1 + k)^{8}(\sqrt{|P_{ADIUS}|^{2}Y^{2}})^{2}Y^{2}}} + D^{*}Y^{2} + E^{*}Y^{4} + F^{*}Y^{6} + G^{*}Y^{8} + H^{*}Y^{10} + J^{*}Y^{12} + L^{*}Y^{10} + J^{*}Y^{10} + J^{*}Y$$



SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE **DIMENSIONS ARE FOR REFERENCE ONLY**

COEFFIECIENT TABLE 6.							
COEFFIECIENT	S 1						
SEMI-DIAMETER	2.500000E+01						
(1/RADIUS)	1.95618153E-02						
k	-7.040000E-01						
D	0.000000E+00						
E	1.206530E-07						
F	8.125950E-12						
G	0.000000E+00						
Н	0.00000E+00						
J	0.000000E+00						
L	0.000000E+00						

	S1	S2			R	Edmund Optics	C ®
SHAPE	CONVEX	PLANO	BFL @ 780	nm: 93.39			9
RADIUS	51.120	INFINITY		1		50mm Dia., 0.25 NA, 350-700nm Coated	4 NID
SURFACE QUALITY	40-20	40-20	THIRD ANGLE PROJECTION		TITLE	Aspheric Lens	
CLEAR APERTURE	45 mm	45 mm		 		Asplicite Letis	
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	16277	SHEET 1 OF 1