NOTES:

1. SUBSTRATE:
   N-BK7

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1 & S2: NIR (600 - 1050nm)
   Ravg ≤1.5% @ 600 - 1050nm

3. EDGES: FINE GROUND

4. CENTERING: ≤5

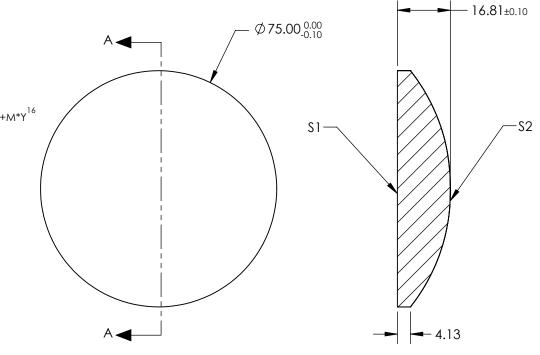5. ASPHERE FIGURE ERROR: 1.2λ

6. /6.\ ROHS COMPLIANT

$$Z(Y)= \frac{\left(\frac{1}{RADIUS}\right)*Y^2}{1+\sqrt{1-(1+k)*\left(\frac{1}{RADIUS}\right)^2*Y^2}} +D*Y^2+E*Y^4+F*Y^6+G*Y^8+H*Y^{10}+J*Y^{12}+L*Y^{14}+M*Y^{16}$$

$\varnothing 75.00^{0.00}_{-0.10}$

SECTION A-A

16.81±0.10

S1

S2

4.13

| COEFFICIENT TABLE | |
|---|---|
| COEFFICIENT | S2 |
| RADIUS | 58.14 |
| k | -9.520000E-01 |
| D | 0.000000E+00 |
| E | 2.425000E-07 |
| F | 1.252000E-11 |
| G | 5.210000E-16 |
| H | 0.000000E+00 |
| J | 0.000000E+00 |
| L | 0.000000E+00 |
| M | 0.000000E+00 |

| | S1 | S2 |
|---|---|---|
| SHAPE | PLANO | CONVEX |
| RADIUS | INFINITY | 58.14 |
| SURFACE QUALITY | 60-40 | 60-40 |
| CLEAR APERTURE | $\varnothing 67.5$ | $\varnothing 67.5$ |
| BEVEL | PROTECTED AS NEEDED | PROTECTED AS NEEDED |

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 75mm Dia., 0.33 Numerical Aperture NIR Coated, Aspheric Lens

ALL DIMS IN: mm

DWG NO: 22714

SHEET 10 OF 18