
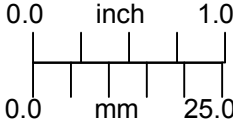



FOCAL LENGTH = 399.84 mm
 OBJECT AT INFINITY
 F-NUMBER = 28.6
 IMAGE SPACE NA = 0.0175
 ENTRANCE PUPIL DIAMETER = 14.00 mm
 ENTRANCE PUPIL LOCATION = 103.0 mm IN FRONT OF FIRST SURFACE
 PUPIL TO SENOR DISTANCE = 316.00 mm
 BACK FOCUS = 137.30 mm
 SENSOR DIAGONAL = 32.0 mm
 MTF CUTOFF FREQUENCY AT SENSOR = 55 lp/mm
 STREHL RATIO ON AXIS = 0.997
 STREHL RATIO FULL FIELD = 0.868
 DISTORTION = 0.06 %
 RELATIVE ILLUMINATION = 99.4 %

OUTLINE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NAVITAR. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NAVITAR IS PROHIBITED.			
SCALE: 1:1		TUBE LENS, 400mm (2X)		
WEIGHT: 0.50 lbmass				
DR BY: MLD				
CH BY: CJH				
PROJECT #: E2882	DO NOT SCALE DRAWING	SIZE A	1-22775	REV A
DATE DR: 6/27/2012			SHEET 2 OF 2	