

## PHOTOMETRIC TEST REPORT

### Customer Company & Address

Artemide SPA  
Via Bergamo 18, 20010 - Pregnana Milanese (MI) - Italy

**Manufacturer:** Artemide SPA  
**Model Number:** NUR LED  
**Product Type:** Suspended Indoor LED Luminaire  
**Product Description:** Indoor LED Luminaire with integrated electronic control gear.  
The luminaire optic is composed by white opal diffuser with  
downlight and uplight emission.

**LED Model:** CREE CXA2540-0000-000N0YU230H  
**Power Supply Model:** PHILIPS XITANIUM mod.: XI050C105V052DNM1

**Electrical Ratings:**  
Input Voltage (V): 120  
Input Current (A): -  
Input Power (W) 43  
Input Frequency (Hz): 60

**Photometric Measurement:** Absolute  
**Reference Standard:** IES LM-79-08  
**Sample number:** 1981711  
**Total report pages:** 10

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**Prepared By**  
Giovanni Di Martino



**Name & Signatory**

**Approved By**  
Walter Parmiani



**Name & Signatory**

### TEST RESULTS SUMMARY

**Test Method:** Goniophotometer (Spectral Irradiance)  
**Photometric Measurement:** Absolute  
**Test Date:** 2014/10/31

#### Environmental Conditions:

		Unit
Ambient Temperature:	25	°C
Relative Humidity:	36,2	%

#### Electrical Conditions:

		Unit
Input Voltage:	119,98	V
Input Current:	0,363	A
Input Power:	43,39	W
Input Frequency:	60	Hz
THD V:	0,2	%
Power Factor:	0,99	

#### Photometric results:

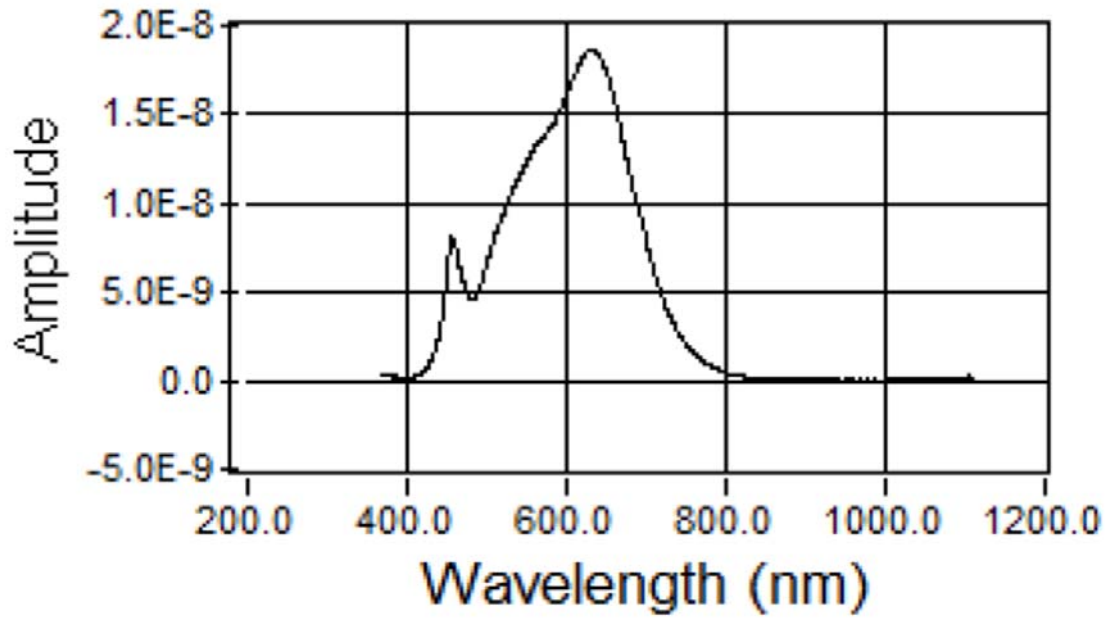
		Unit
Chrom x	0,4413	
Chrom y	0,4124	
Duv	0,0026	
Chrom u'	0,2498	
Chrom v'	0,5253	
CCT	2994	K
Nominal CCT	3000	K
CRI	94,25	
R9	74,79	
Pre-burning time:	1,00	hrs
Stabilization time:	30	min
Test distance:	8,62	m

#### Luminaire dimensions:

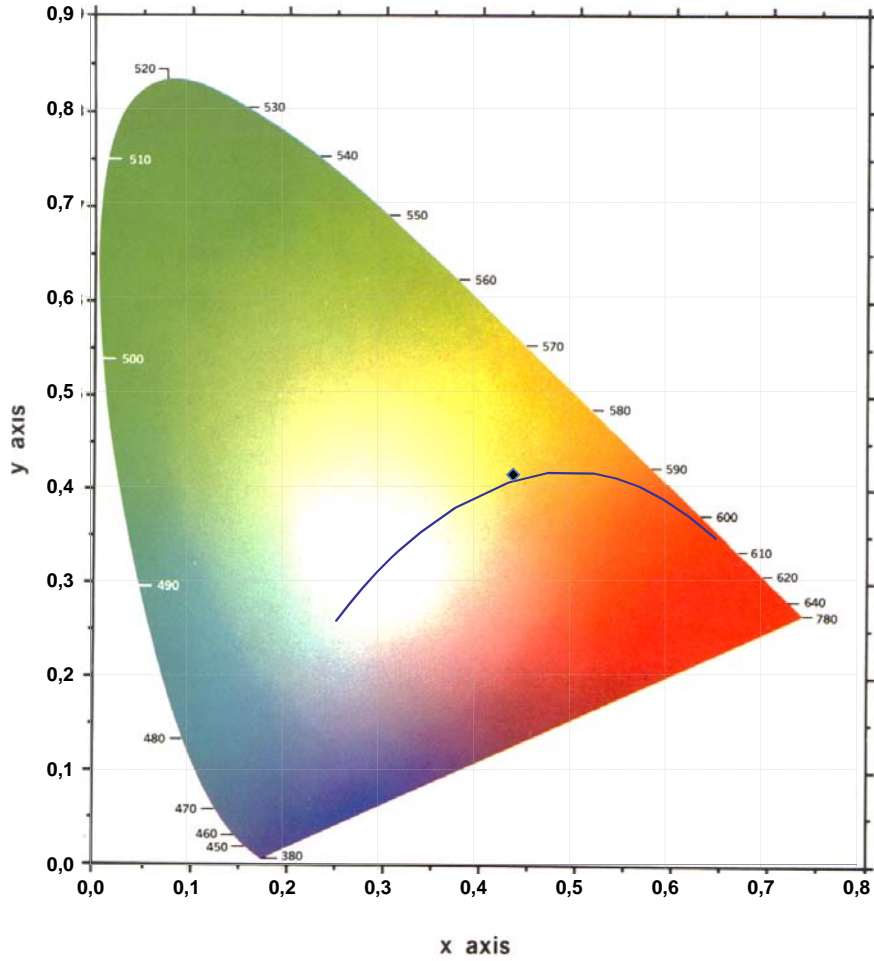
	L	W	H	Unit
Luminaire:	Ø 550	-	400	mm
Luminous area:	Ø 550	-	0	mm



Spectral Power Distribution



### Chromaticity Diagram CIE 1931



### TEST RESULTS SUMMARY

**Test Method:** Goniophotometer (Intensity)  
**Photometric Measurement:** Absolute  
**Test Date:** 2014/10/31

#### Environmental Conditions:

		Unit
Ambient Temperature:	25	°C
Relative Humidity:	36,2	%

#### Electrical Conditions:

		Unit
Input Voltage:	119,98	V
Input Current:	0,363	A
Input Power:	43,39	W
Input Frequency:	60	Hz
THD V:	0,2	%

#### Photometric results:

		Unit
Total Luminous Flux:	1815,19	Lm
System Efficacy:	41,83	Lm/W
Pre-burning time:	1,00	hrs
Stabilization time:	30	min
Test distance:	8,62	m

Photometric performances are valid for the 230 V version of this product also.

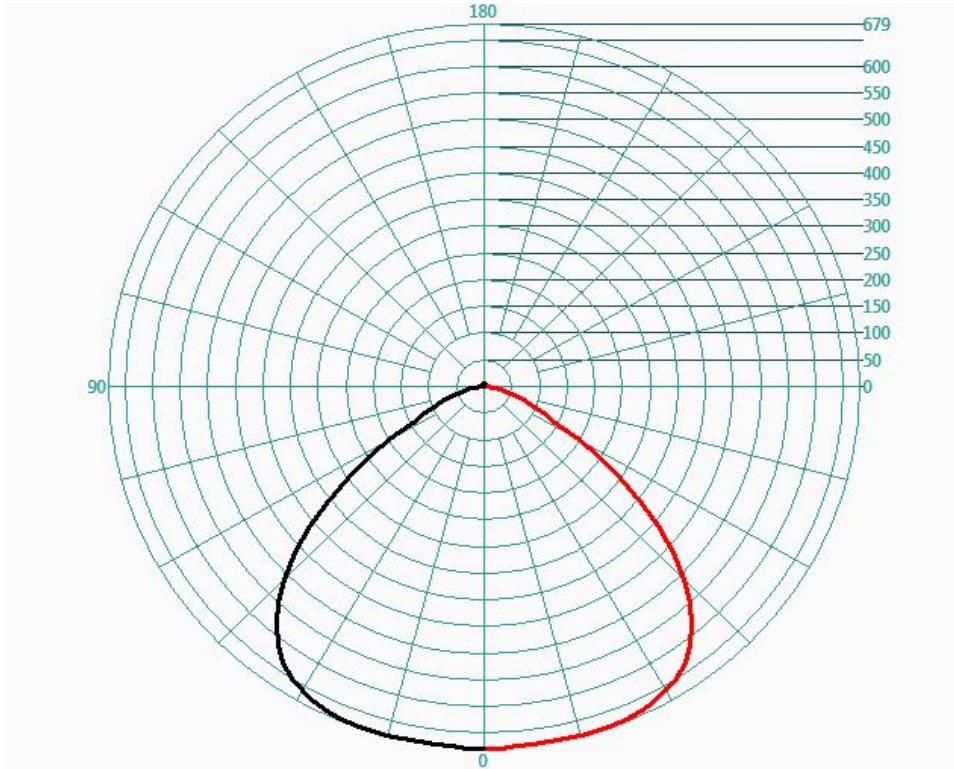
**Picture of the tested sample:**



**TEST EQUIPMENT**

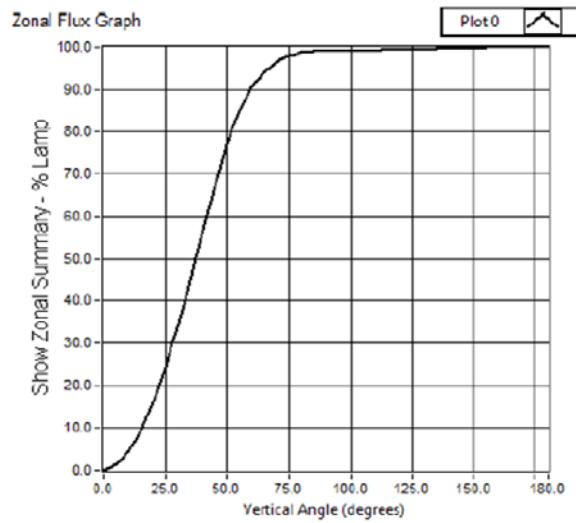
Local ID	Description	Model	Last Cal	Next Cal
BURVS0074	Goniophotometer system	LSI 6440T	2014/4/22	By evidence
BURVS0065	Digital power meter	Yokogawa WT210	2014/10/27	2015/10/28
BURVS0079	OMEGA MDSi8	OMEGA MDSi8	2015/9/28	2015/9/28
AT529	Ambient temp recorder	OMEGA Iserver	2014/4/7	2015/4/28
BURVS0078	AC PSU	ELGAR CW 1251	Reference	Reference

**POLAR PLOT (cd)**



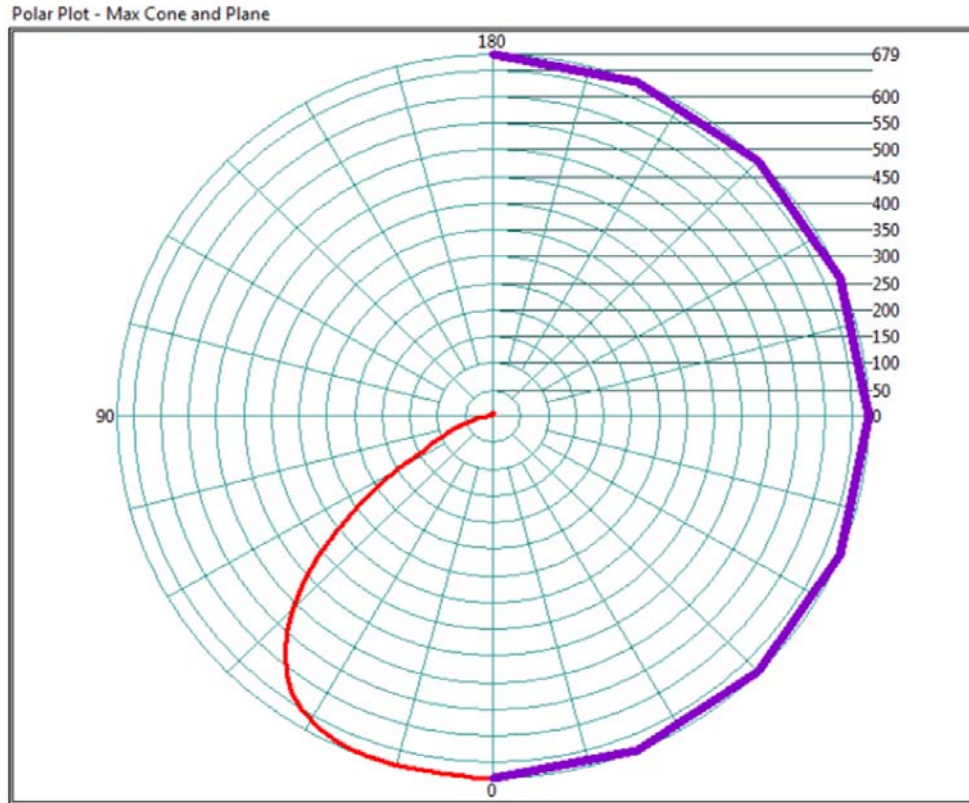
### ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	567.62	31.27	31.27
0 to 40	961.23	52.95	52.95
0 to 60	1619.08	89.20	89.20
0 to 90	1799.48	99.13	99.13
40 to 90	838.26	46.18	46.18
60 to 90	180.41	9.94	9.94
90 to 180	15.71	0.87	0.87
0 to 180	1815.19	100.00	100.00



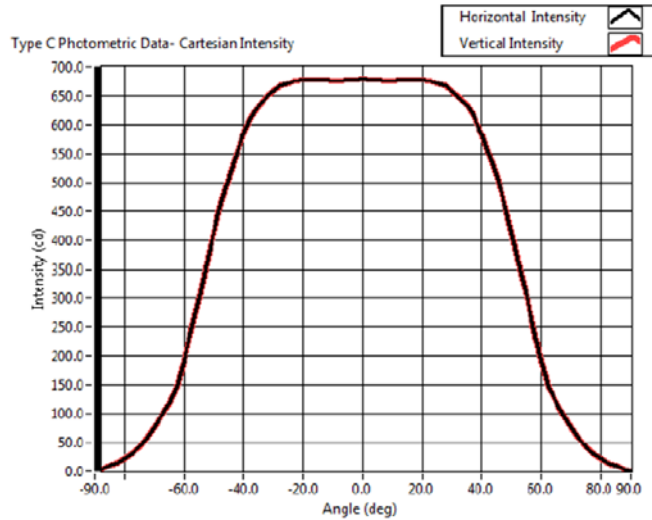


### MAX CONE AND PLANE (CD)





### CARTESIAN INTENSITY



### CONE DIAGRAM

Illuminance at a Distance

Mounting Height (m)	Beam Cone Width (m)	Orthogonal Beam Cone Width (m)	Projected Illuminance (lx)
0.5	1.34	1.34	2716.2
1	2.69	2.69	679.1
2	5.38	5.38	169.8
3	8.06	8.06	75.5
4	10.75	10.75	42.4
5	13.44	13.44	27.2
6	16.13	16.13	18.9
8	21.50	21.50	10.6
10	26.88	26.88	6.8
20	53.75	53.75	1.7

Target % of Peak Intensity	Beam Angle to % Intensity Value (degrees)	Beam Angle to % Intensity Value (degrees) [-]
50.00	106.69	106.69