

## PHOTOMETRIC TEST REPORT

### Customer Company & Address

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

**Manufacturer:** Artemide SPA  
**Model Number:** NUR LED (GLOSS)  
**Product Type:** Ceiling 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:** 1981714  
**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:** 2014/10/29

#### Environmental Conditions:

		Unit
Ambient Temperature:	25,2	°C
Relative Humidity:	36,6	%

#### Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0,37	A
Input Power:	44,31	W
Input Frequency:	60	Hz
THD V:	0,2	%
Power Factor:	0,99	

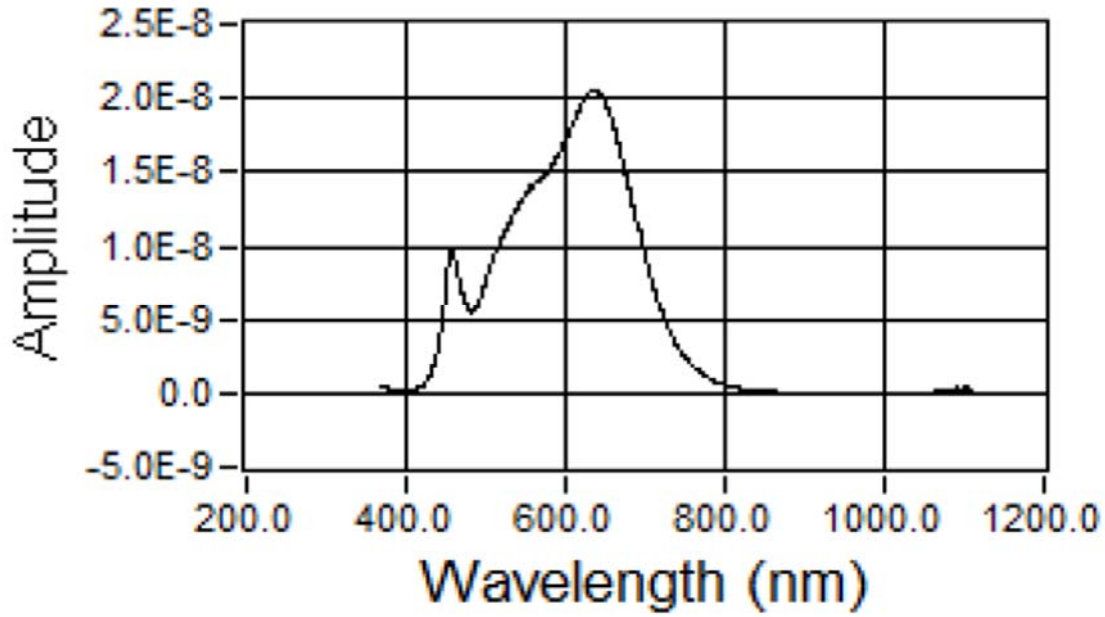
#### Photometric results:

		Unit
Chrom x	0,4316	
Chrom y	0,4057	
Duv	0,0013	
Chrom u'	0,2465	
Chrom v'	0,5212	
CCT	3105	K
Nominal CCT	3000	K
CRI	96,82	
R9	87,48	
Pre-burning time:	1,00	hrs
Stabilization time:	30	min
Test distance:	8,62	m

#### Luminaire dimensions:

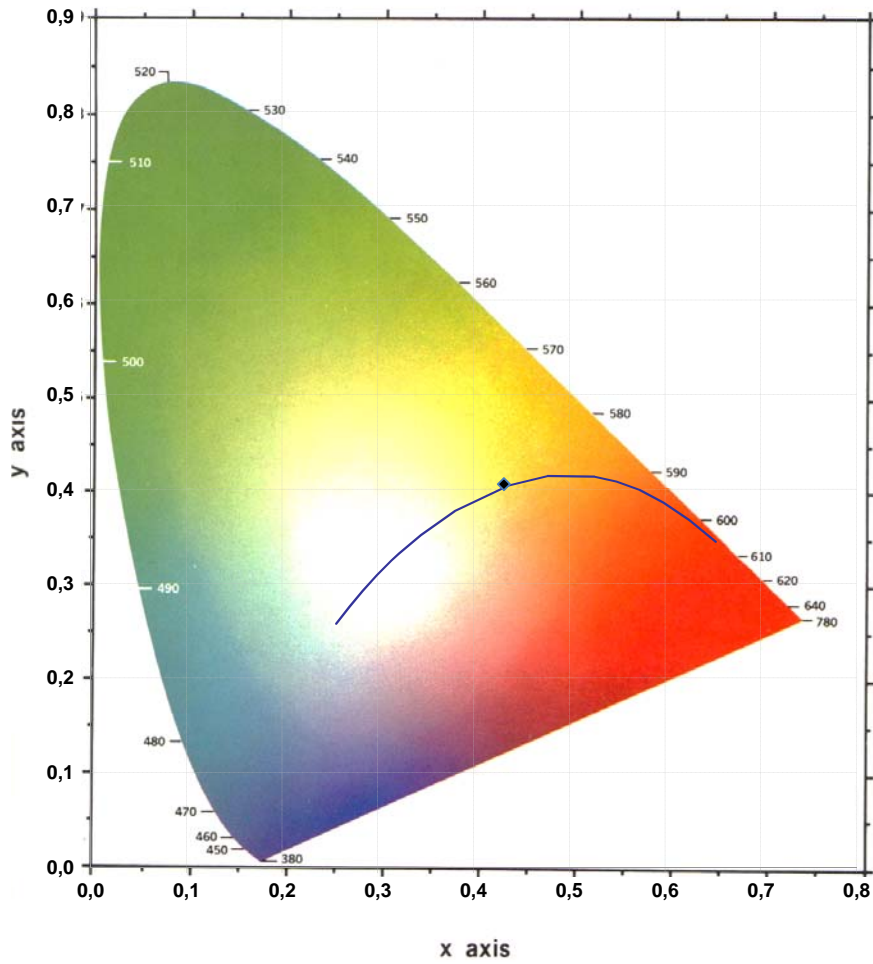
	L	W	H	Unit
Luminaire:	Ø 550	-	400	mm
Luminous area:	Ø 550	-	0	mm

**Spectral Power Distribution**





### Chromaticity Diagram CIE 1931



### TEST RESULTS SUMMARY

**Test Method:** Goniophotometer (Intensity)  
**Photometric Measurement:** Absolute  
**Test Date:** 2014/10/29

#### Environmental Conditions:

		Unit
Ambient Temperature:	25,2	°C
Relative Humidity:	36,6	%

#### Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0,37	A
Input Power:	44,31	W
Input Frequency:	60	Hz
THD V:	0,2	%

#### Photometric results:

		Unit
Total Luminous Flux:	1929,92	Lm
System Efficacy:	43,55	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.

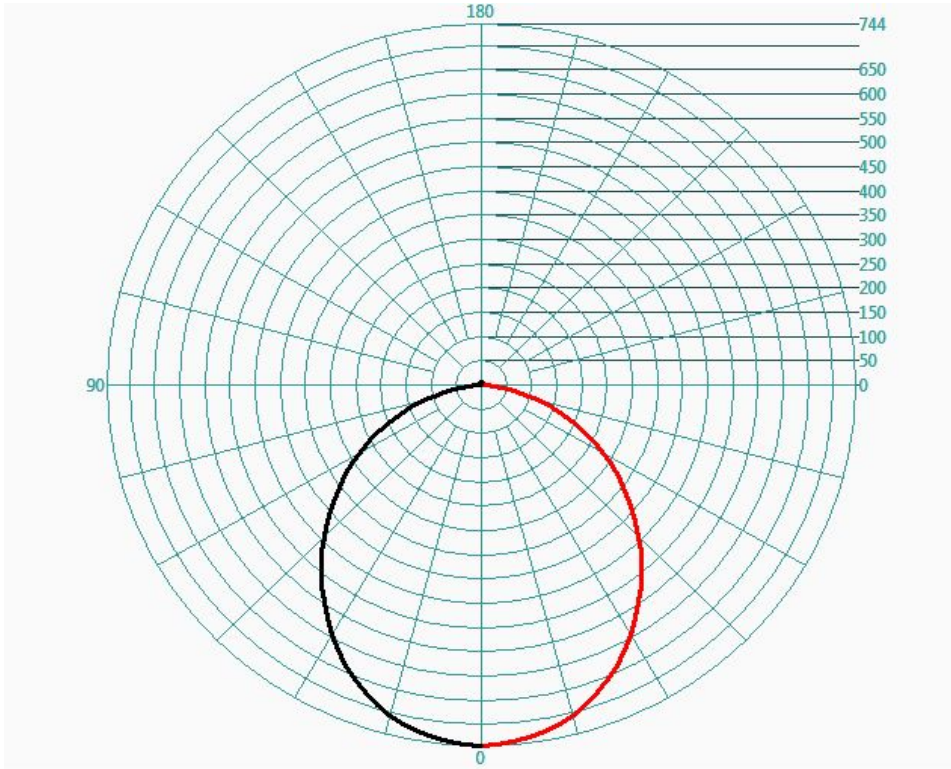
Picture of the tested sample:



**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

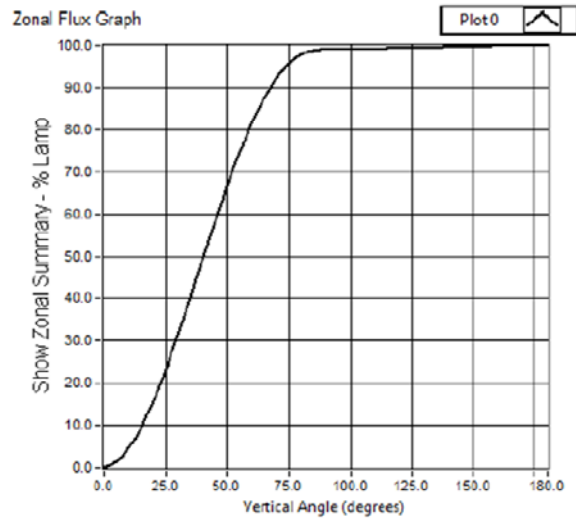
**POLAR PLOT (cd)**





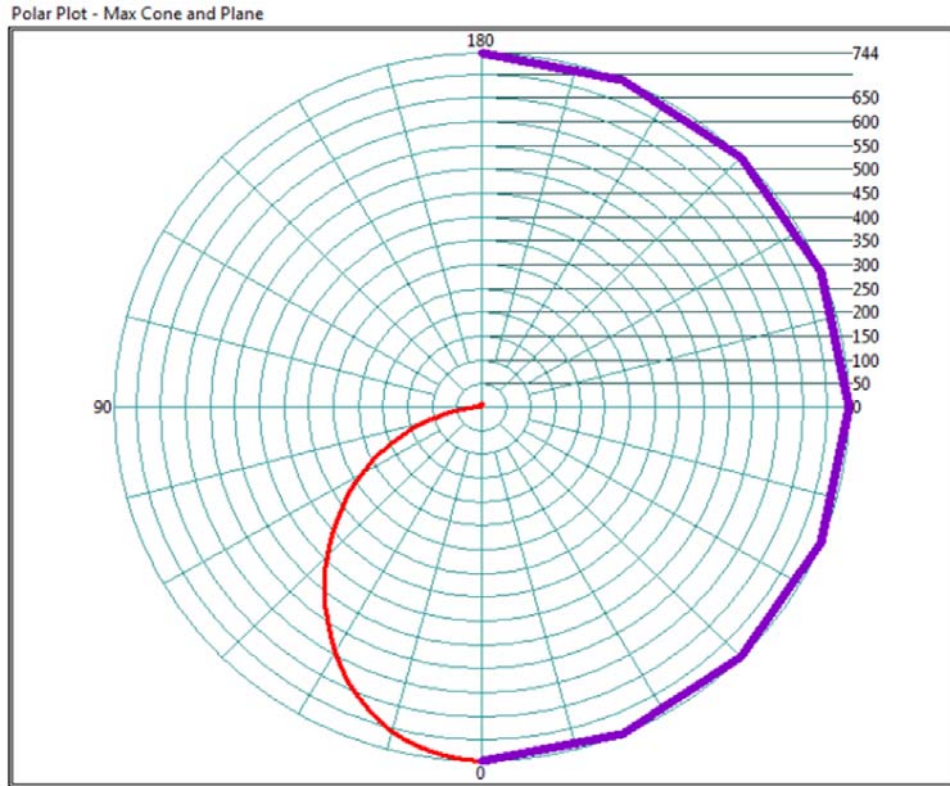
### ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	562.45	29.14	29.14
0 to 40	903.75	46.83	46.83
0 to 60	1541.28	79.86	79.86
0 to 90	1912.54	99.10	99.10
40 to 90	1008.79	52.27	52.27
60 to 90	371.26	19.24	19.24
90 to 180	17.37	0.90	0.90
0 to 180	1929.92	100.00	100.00

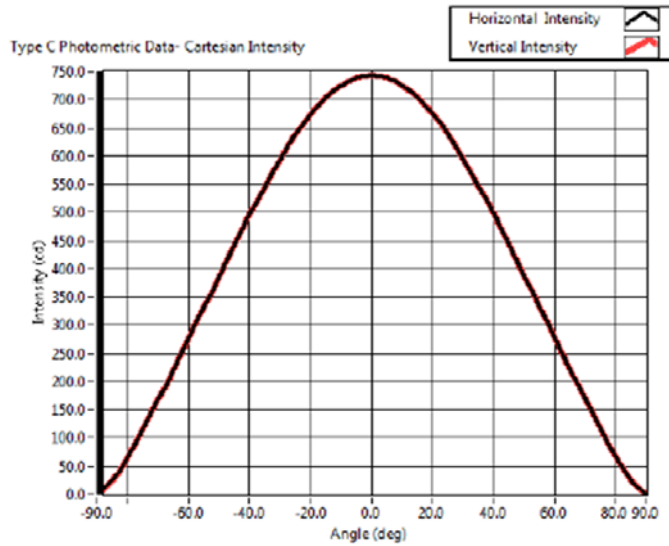




### MAX CONE AND PLANE (CD)



### CARTESIAN INTENSITY



### CONE DIAGRAM

Illuminance at a Distance

Mounting Height (m)	Beam Cone Width (m)	Orthogonal Beam Cone Width (cm)	Projected Illuminance (lx)
0.5	1.25	1.25	2975.0
1	2.51	2.51	743.8
2	5.01	5.01	185.9
3	7.52	7.52	82.6
4	10.03	10.03	46.5
5	12.53	12.53	29.8
6	15.04	15.04	20.7
8	20.05	20.05	11.6
10	25.06	25.06	7.4
20	50.13	50.13	1.9

Target % of Peak Intensity	Beam Angle to % Intensity Value (degrees)	Beam Angle to % Intensity Value (degrees) [-]
50.00	102.82	102.82