

PHOTOMETRIC TEST REPORT

Customer Company & Address

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

Manufacturer: Artemide SPA
Model Number: NUR 1618 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 XLAMP CXA3590
Power Supply Model: INVENTRONICS mod.: EUC-150S140DTA
Electrical Ratings:
Input Voltage (V): 120
Input Current (A): -
Input Power (W) 124
Input Frequency (Hz): 60

Photometric Measurement: Absolute
Reference Standard: IES LM-79-08
Sample number: 2071385
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: 2015/4/8

Environmental Conditions:

		Unit
Ambient Temperature:	25.1	°C
Relative Humidity:	21.6	%

Electrical Conditions:

		Unit
Input Voltage:	119.99	V
Input Current:	1.04	A
Input Power:	124.8	W
Input Frequency:	60	Hz
THD V:	0.6	%
Power Factor:	0.99	

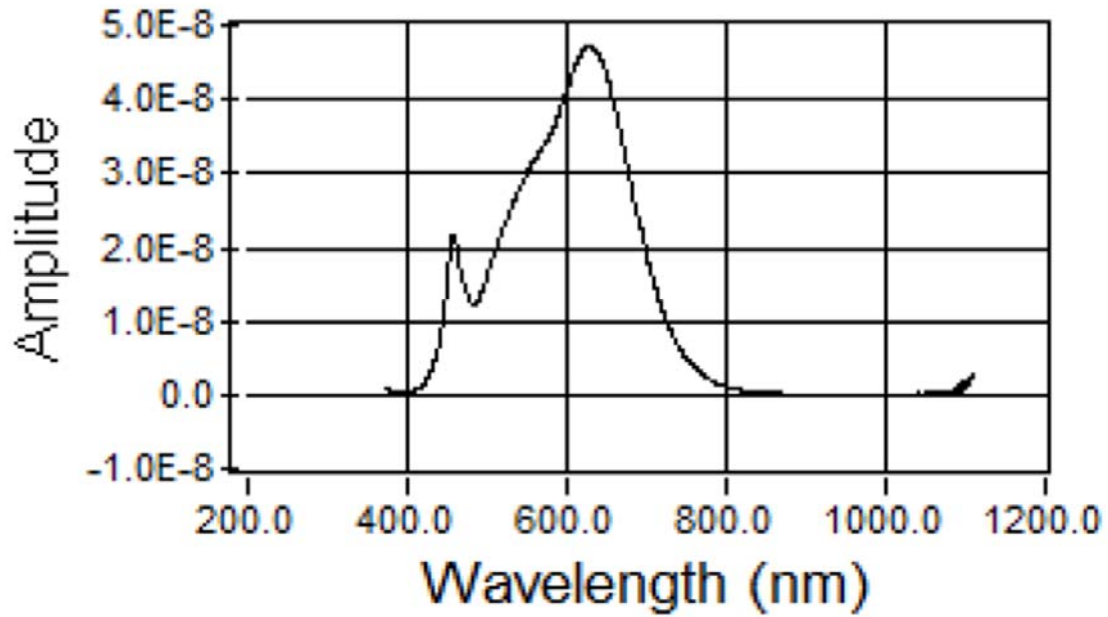
Photometric results:

		Unit
Chrom x	0.4400	
Chrom y	0.4047	
Duv	0.0002	
Chrom u'	0.2522	
Chrom v'	0.5221	
CCT	2955	K
Nominal CCT	3000	K
CRI	95.03	
R9	74.43	
Pre-burning time:	1.00	hrs
Stabilization time:	30	min
Test distance:	8.62	m

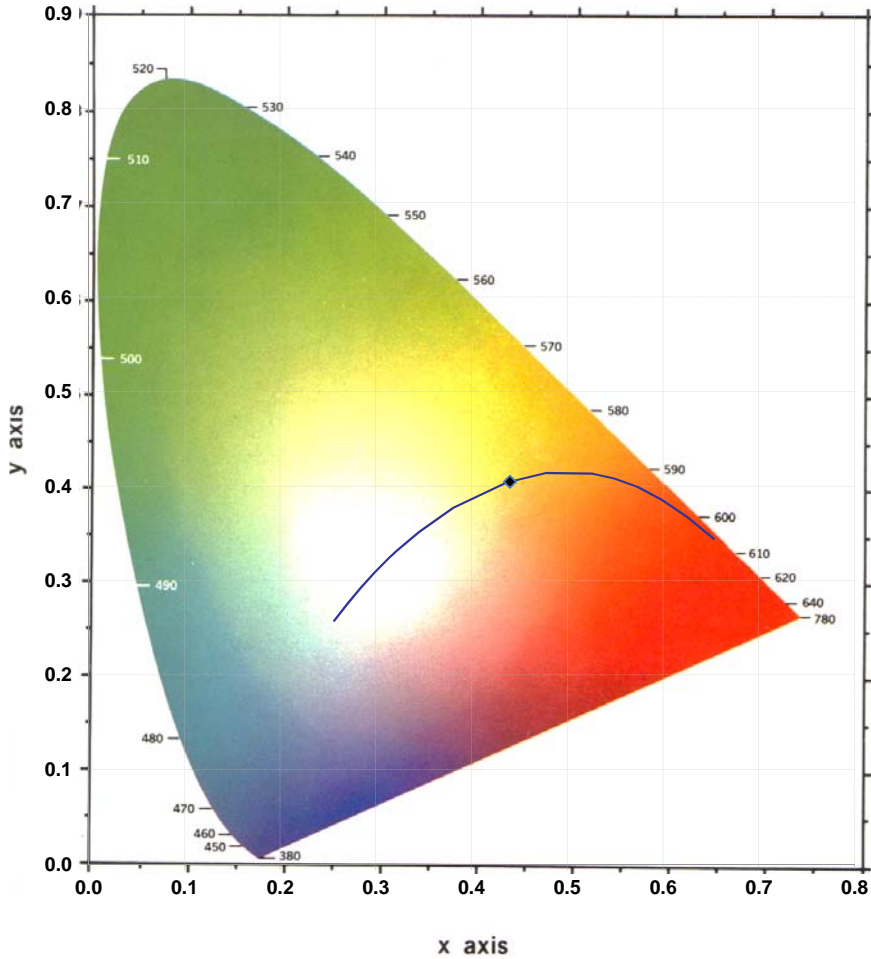
Luminaire dimensions:

	L	W	H	Unit
Luminaire:	∅ 830	-	680	mm
Luminous area:	∅ 830	-	0	mm

Spectral Power Distribution



Chromaticity Diagram CIE 1931



TEST RESULTS SUMMARY

Test Method: Goniophotometer (Intensity)
Photometric Measurement: Absolute
Test Date: 2015/4/8

Environmental Conditions:

		Unit
Ambient Temperature:	25.1	°C
Relative Humidity:	21.6	%

Electrical Conditions:

		Unit
Input Voltage:	119.99	V
Input Current:	1.04	A
Input Power:	124.8	W
Input Frequency:	60	Hz
THD V:	0.6	%

Photometric results:

		Unit
Total Luminous Flux:	3665.15	Lm
System Efficacy:	29.37	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.

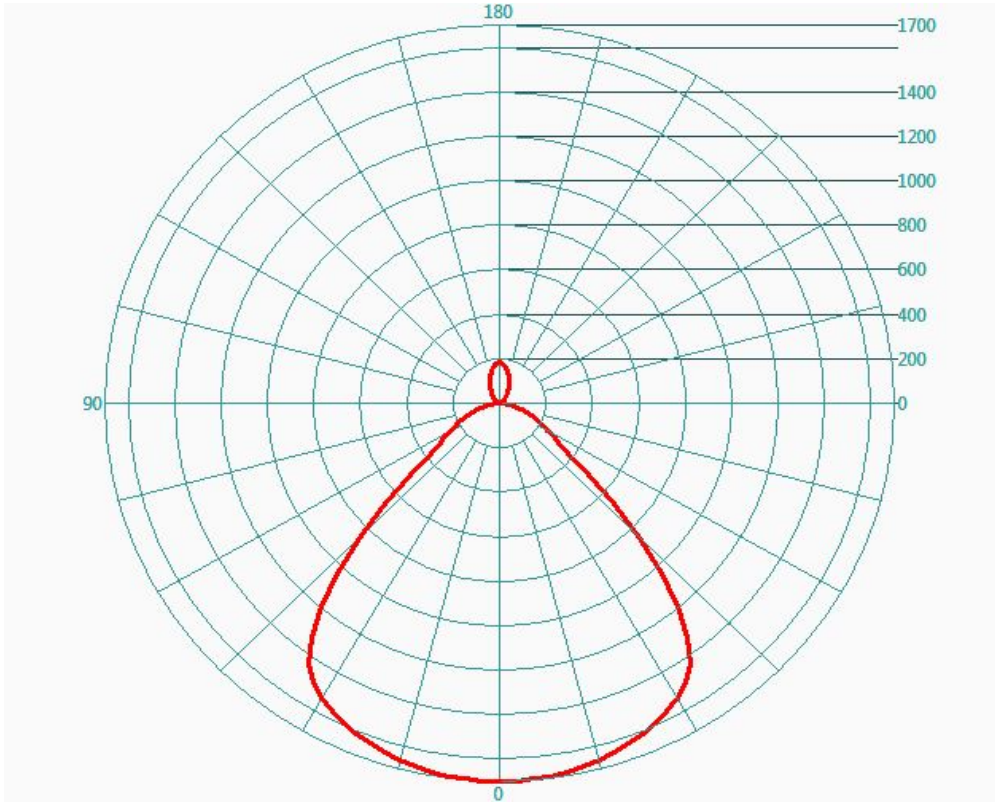
Picture of the tested sample:



TEST EQUIPMENT

Local ID	Description	Model	Last Cal	Next Cal
BURVS0063	Goniophotometer system	LSI 6440T	2014/4/22	By evidence
BURVS0077	Digital power meter	Yokogawa WT210	2014/10/27	2015/10/28
BURVS0067	OMEGA MDSi8	OMEGA MDSi8	2014/9/1	2015/9/28
AT528	Ambient temp recorder	OMEGA Iserver	2014/4/7	2015/4/28
BURVS0066	AC PSU	ELGAR CW 1251	Reference	Reference

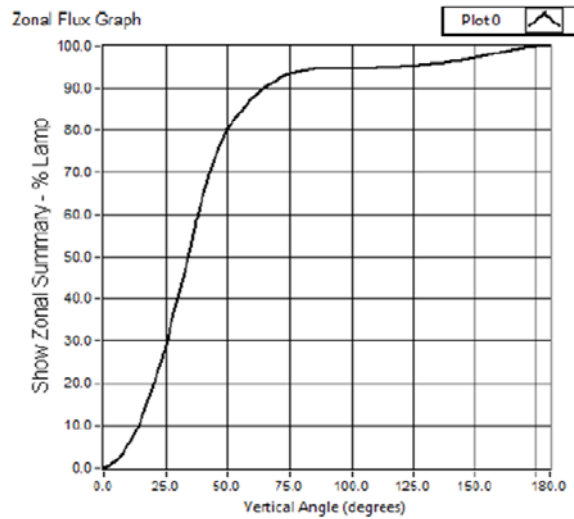
POLAR PLOT (cd)



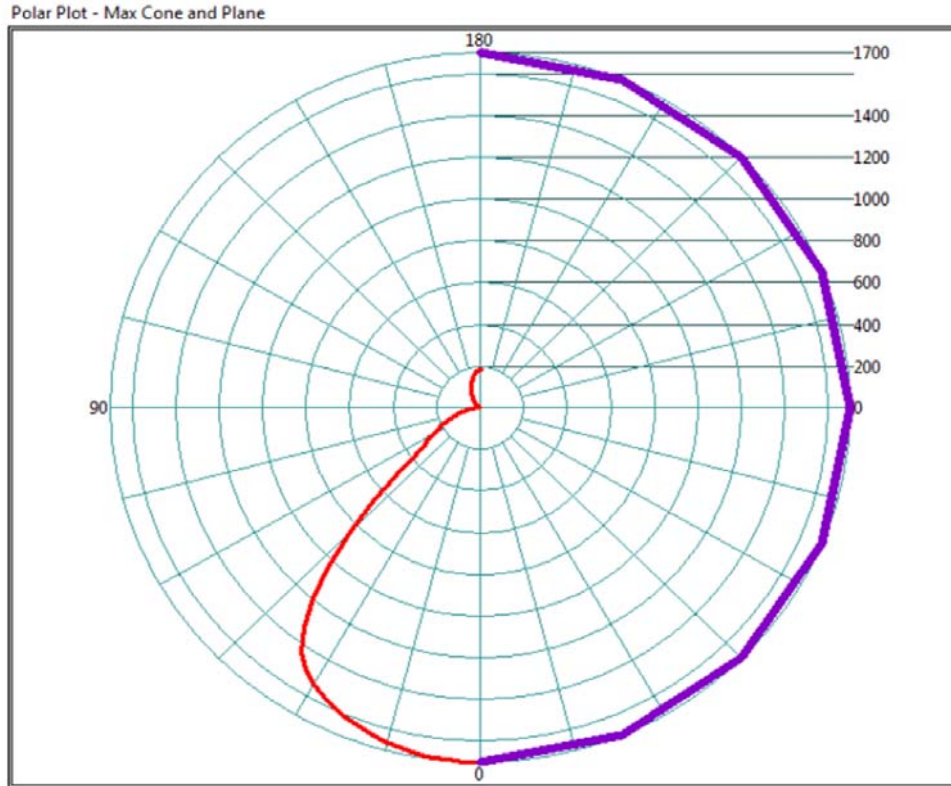


ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	1365.51	37.26	37.26
0 to 40	2240.83	61.14	61.14
0 to 60	3182.19	86.82	86.82
0 to 90	3468.76	94.64	94.64
40 to 90	1227.92	33.50	33.50
60 to 90	286.56	7.82	7.82
90 to 180	196.40	5.36	5.36
0 to 180	3665.15	100.00	100.00

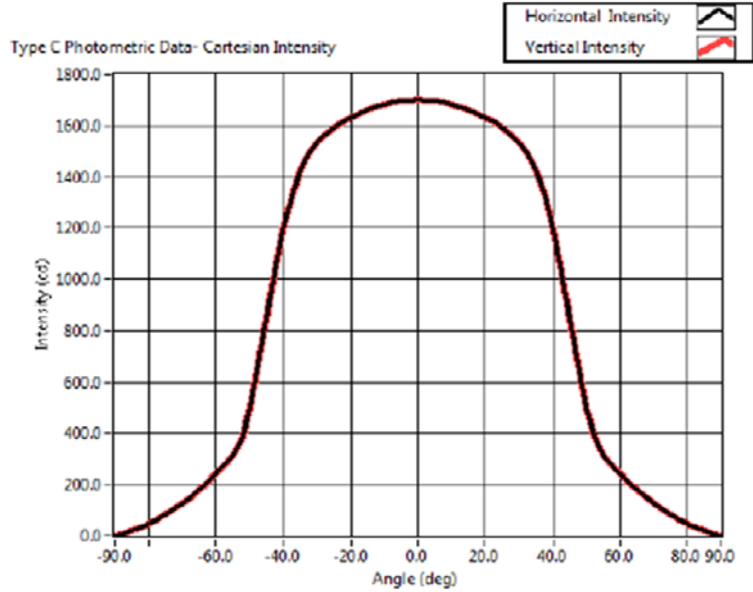


MAX CONE AND PLANE (CD)





CARTESIAN INTENSITY



CONE DIAGRAM

Illuminance at a Distance

Mounting Height (m)	Beam Cone Width (m)	Orthogonal Beam Cone Diameter (m)	Projected Illuminance (lx)
0.5	1.00	1.00	6799.6
1	2.00	2.00	1699.9
2	4.00	4.00	425.0
3	5.99	5.99	188.9
4	7.99	7.99	106.2
5	9.99	9.99	68.0
6	11.99	11.99	47.2
8	15.98	15.98	26.6
10	19.98	19.98	17.0
20	39.95	39.95	4.2

Target % of Peak Intensity	Beam Angle to % Intensity Value (degrees)	Beam Angle to % Intensity Value (degrees) [-]
50.00	89.93	89.93