



PHOTOMETRIC TEST REPORT

Customer Company & Address

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

Manufacturer: Artemide SPA
Model Number: LED NET LINE PLAFONE
Product Type: Indoor LED Luminaire
Product Description: LED luminaire for ceiling mounting. The luminaire is provided with 17 LEDs each one equipped with lens. The electronic control gear is integrated in the luminaire.

LED Model: Cree XB-D
Power Supply Model: Roal Strato RSLD035-16

Electrical Ratings:
Input Voltage (V): 120
Input Current (A): -
Input Power (W): 30
Input Frequency (Hz): 60

Photometric Measurement: Absolute
Reference Standard: IES LM-79-08
Sample number: 1853679
Total report pages: 9

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Prepared By
Giovanni Di Martino

Name & Signatory

Approved By
Walter Parmiani

Name & Signatory



TEST RESULTS SUMMARY

Test Method: Integrating Sphere
Photometric Measurement: Absolute
Test Date: 2014/4/15

Environmental Conditions:

		Unit
Ambient Temperature:	24,4	°C
Relative Humidity:	33,3	%

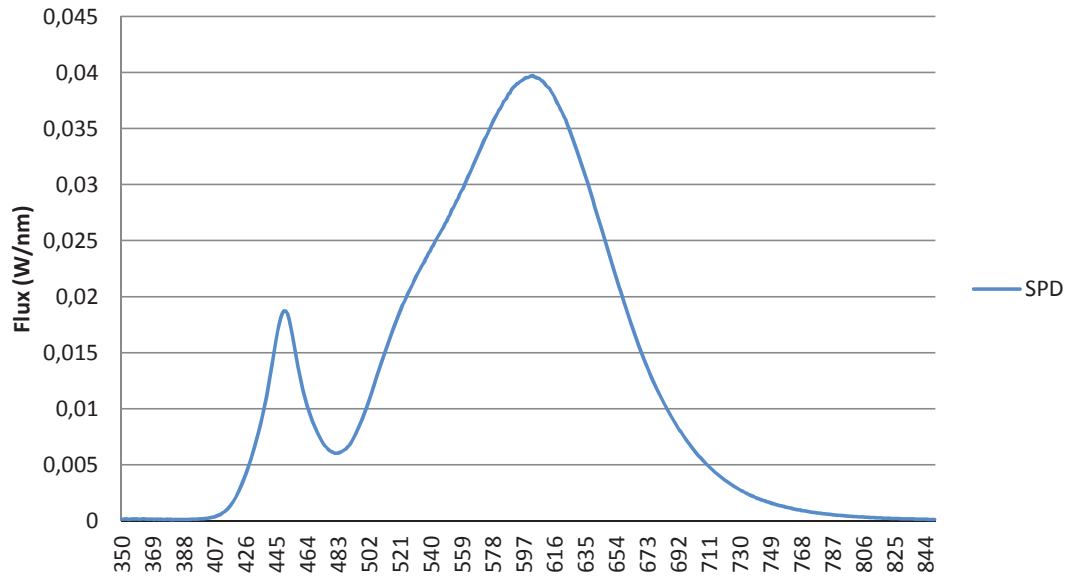
Electrical Conditions:

		Unit
Input Voltage:	120,06	V
Input Current:	0,256	A
Input Power:	29,91	W
Input Frequency:	60	Hz
THD V:	0,2	%
Power Factor:	0,97	

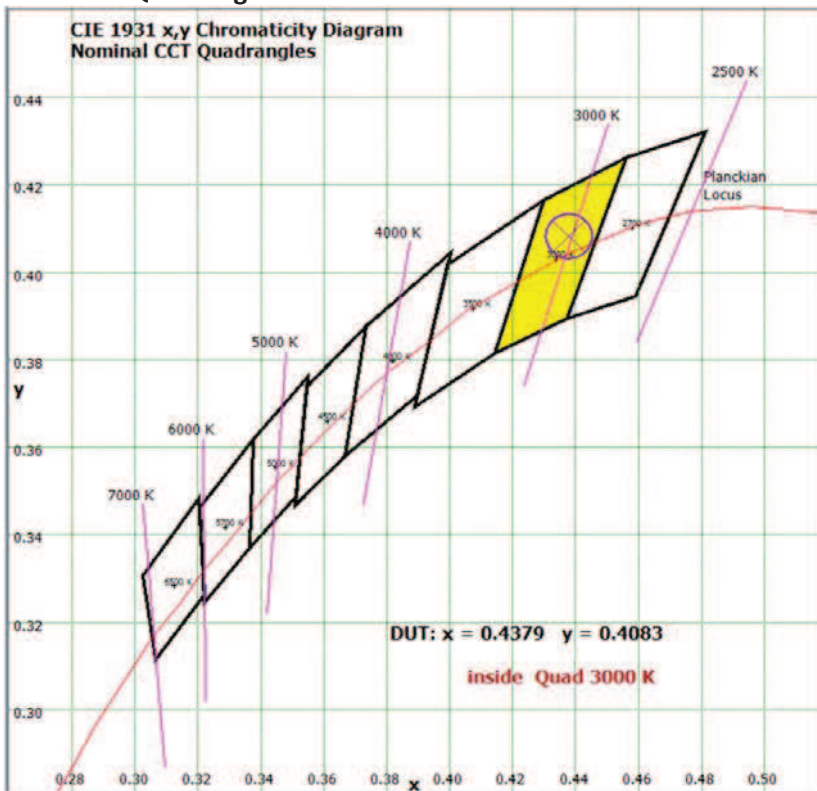
Photometric results:

		Unit
Chrom x	0,4379	
Chrom y	0,4083	
Chrom u	0,2493	
Chrom v	0,3488	
Duv	0,0015	
Chrom u'	0,2493	
Chrom v'	0,5232	
Peak	602,5	nm
Dominant	582,2	nm
CCT	3017	K
CRI	78,83	
R9	-0,3	
Pre-burning time:	1,00	hrs
Stabilization time:	0,5	min
Test configuration:	4pi	

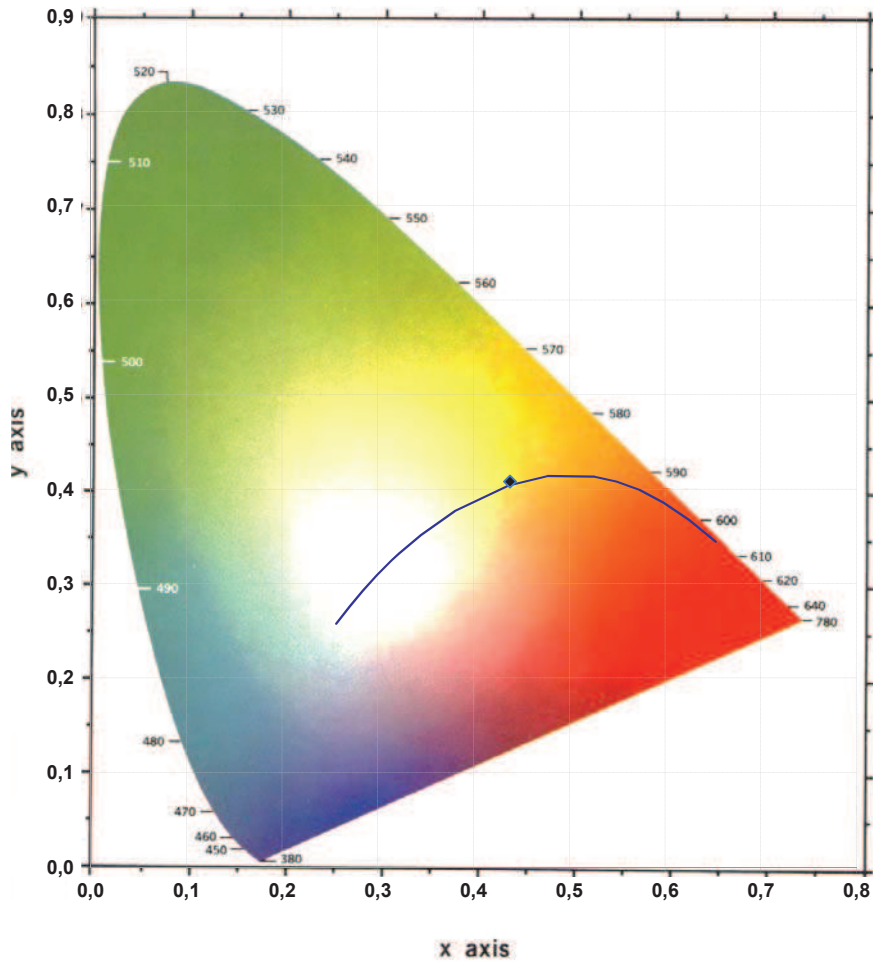
Spectral Power Distribution



ANSI CCT Quadrangles



Chromaticity Diagram CIE 1931





TEST RESULTS SUMMARY

Test Method: Goniophotometer
Photometric Measurement: Absolute
Test Date: 2014/4/17

Environmental Conditions:

		Unit
Ambient Temperature:	25,3	°C
Relative Humidity:	25,9	%

Electrical Conditions:

		Unit
Input Voltage:	120,01	V
Input Current:	0,257	A
Input Power:	29,98	W
Input Frequency:	60	Hz
THD V:	0,1	%

Photometric results:

		Unit
Total Luminous Flux:	1848,98	Lm
System Efficacy:	61,82	Lm/W
Pre-burning time:	0,50	hrs
Stabilization time:	30	min
Test distance:	8,62	m

Dimensions:

	L	W	H	Unit
Sample:	1200	280	30	mm
Luminous Area:	1114	280	15	mm

Picture of the tested sample:



TEST EQUIPMENT

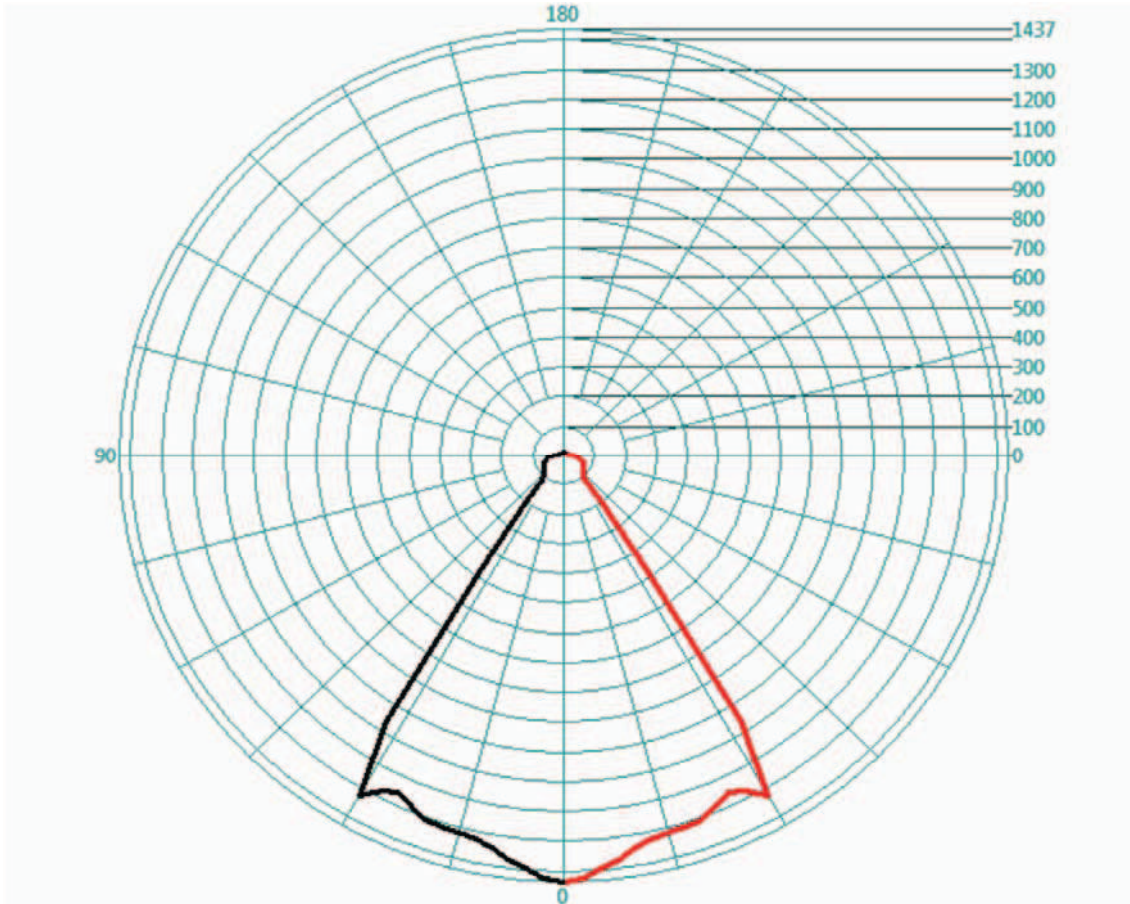
Local ID	Description	Model	Last Cal	Next Cal
BURVS0074	Goniophotometer system	LSI 6440T	2014/4/15	By evidence
BURVS0077	Digital power meter	Yokogawa WT210	2013/7/16	2014/7/28
BURVS0079	OMEGA MDSi8	OMEGA MDSi8	2014/8/28	2014/8/28
AT529	Ambient temp recorder	OMEGA Iserver	2014/4/7	2015/4/28
BURVS0078	AC PSU	ELGAR CW 1251	Reference	Reference
BURVS0053	Integrating sphere	Labsphere CSTM-LMS	2014/4/14	By evidence
BURVS0058	Spectroradiometer	Labsphere CDS-1100	2014/4/14	By evidence
BURVS0062	AC PSU	Chroma 61603	Reference	Reference
BURVS0059	Digital power meter	Yokogawa WT210	2013/7/23	2014/7/28
BURVS0054	Thermometer	OMEGA MDSi8	2013/8/19	2014/8/28
BURVS0060	Standard lamp	Eye Lighting SCL1400	2012/4/11	2015/4/11
AT525	Ambient temp recorder	OMEGA Iserver	2014/4/7	2015/4/28

Notes

The results of this test extends to the suspended and to the 230 V version of this product.

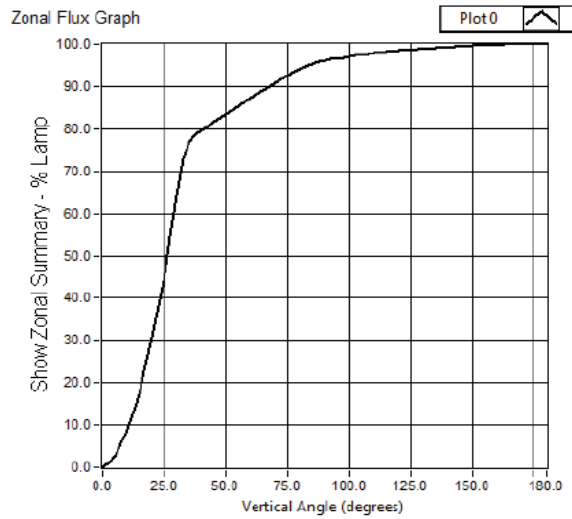


POLAR PLOT (cd)



ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	1099.47	59.46	59.46
0 to 40	1463.28	79.14	79.14
0 to 60	1604.95	86.80	86.80
0 to 90	1774.77	95.99	95.99
40 to 90	311.49	16.85	16.85
60 to 90	169.82	9.18	9.18
90 to 180	74.21	4.01	4.01
0 to 180	1848.98	100.00	100.00





CONE DIAGRAM

Illuminance at a Distance

Mounting Height (m)	Beam Cone Width (m)	Orthogonal Beam Cone Width (m)	Projected Illuminance (lx)
0.5	0.67	0.67	5748.9
1	1.35	1.35	1437.2
2	2.70	2.70	359.3
3	4.04	4.04	159.7
4	5.39	5.39	89.8
5	6.74	6.74	57.5
6	8.09	8.09	39.9
8	10.78	10.78	22.5
10	13.48	13.48	14.4
20	26.95	26.95	3.6

Target % of Peak Intensity	Beam Angle to % Intensity Value (degrees)	Beam Angle to % Intensity Value (degrees) [-]
50.00	67.95	67.95