

PHOTOMETRIC TEST REPORT

Customer Company & Address

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

Manufacturer: Artemide SPA
Model Number: TETRAGONO H45
Product Type: Indoor LED Luminaire
Product Description: LED luminaire for floor mounting. The luminaire is provided with 1 LED module. The electronic control gear is integrated in the luminaire.

Power Supply Model: Meanwell APC-16-350

Electrical Ratings:

Input Voltage (V): 120
Input Current (A): -
Input Power (W) 15
Input Frequency (Hz): 60

Photometric Measurement: Absolute
Reference Standard: IES LM-79-08
Sample number: 1924010
Total report pages: 9

This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the products(s) has met the criteria for certification.

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: 2014/8/19

Environmental Conditions:

		Unit
Ambient Temperature:	24,7	°C
Relative Humidity:	60,6	%

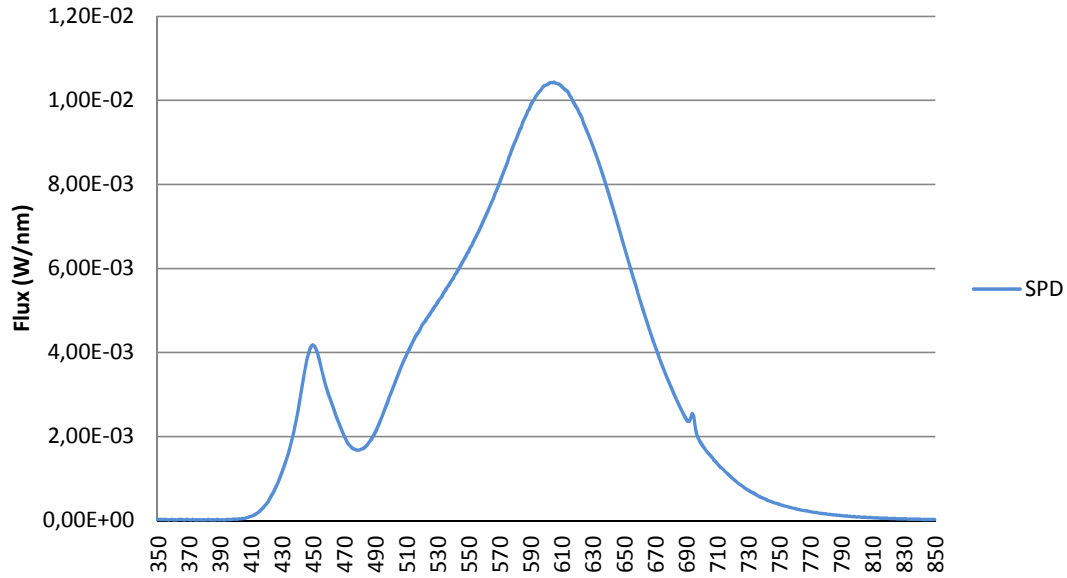
Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0,236	A
Input Power:	14,6	W
Input Frequency:	60	Hz
THD V:	0,4	%
Power Factor:	0,5	

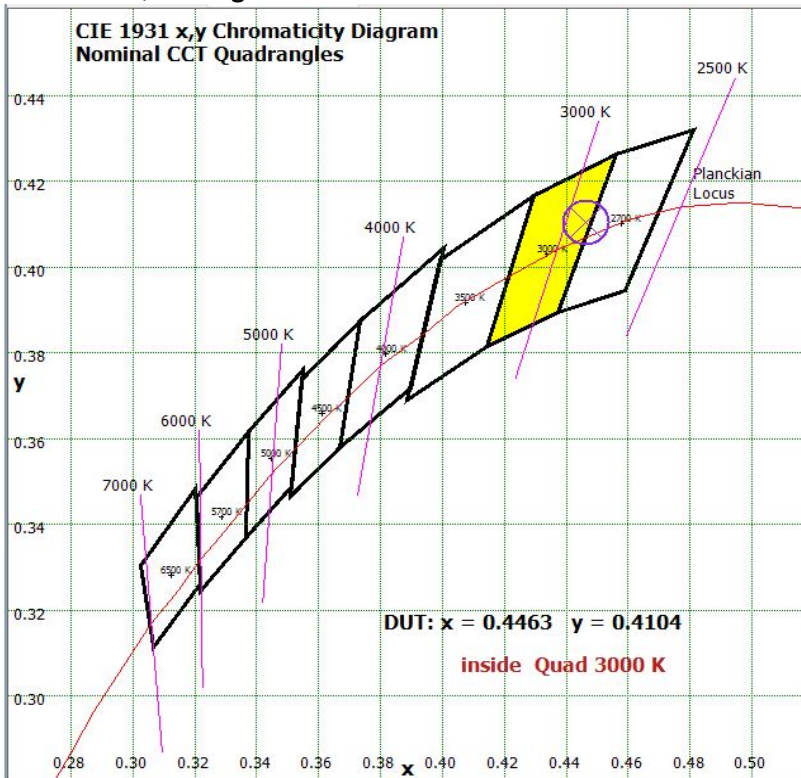
Photometric results:

		Unit
Chrom x	0,4463	
Chrom y	0,4104	
Chrom u	0,2539	
Chrom v	0,3502	
Duv	0,0009	
Chrom u'	0,2539	
Chrom v'	0,5252	
Peak	604,1	nm
Dominant	582,8	nm
CCT	2897	K
CRI	82,11	
R9	8,2	
Pre-burning time:	1,00	hrs
Stabilization time:	45	min
Test configuration:	4pi	

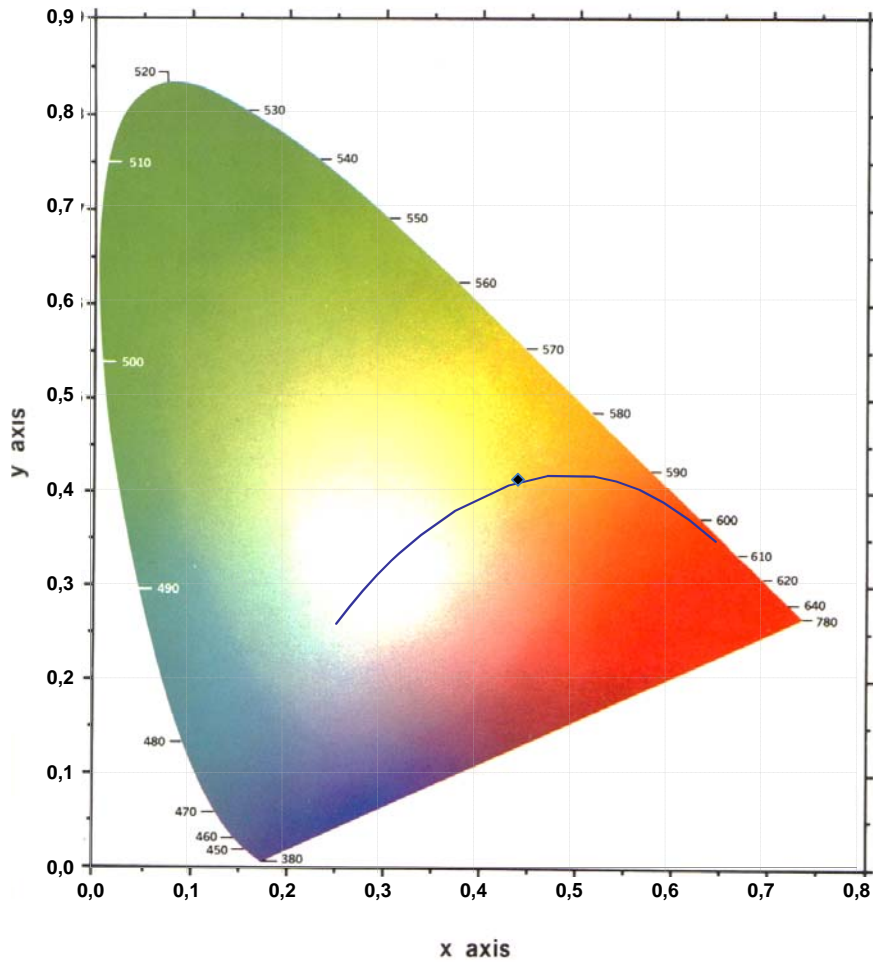
Spectral Power Distribution



ANSI CCT Quadrangles



Chromaticity Diagram CIE 1931



TEST RESULTS SUMMARY

Test Method: Goniophotometer
Photometric Measurement: Absolute
Test Date: 2014/8/18

Environmental Conditions:

		Unit
Ambient Temperature:	24,7	°C
Relative Humidity:	60,6	%

Electrical Conditions:

		Unit
Input Voltage:	120,04	V
Input Current:	0,239	A
Input Power:	14,59	W
Input Frequency:	60	Hz
THD V:	0,4	%

Photometric results:

		Unit
Total Luminous Flux:	503,79	Lm
System Efficacy:	34,51	Lm/W
Pre-burning time:	1,00	hrs
Stabilization time:	30	min
Test distance:	8,62	m

Dimensions:

	L	W	H	Unit
Sample:	140	140	450	mm
Luminous Area:	140	140	0	mm

Picture of the tested sample:



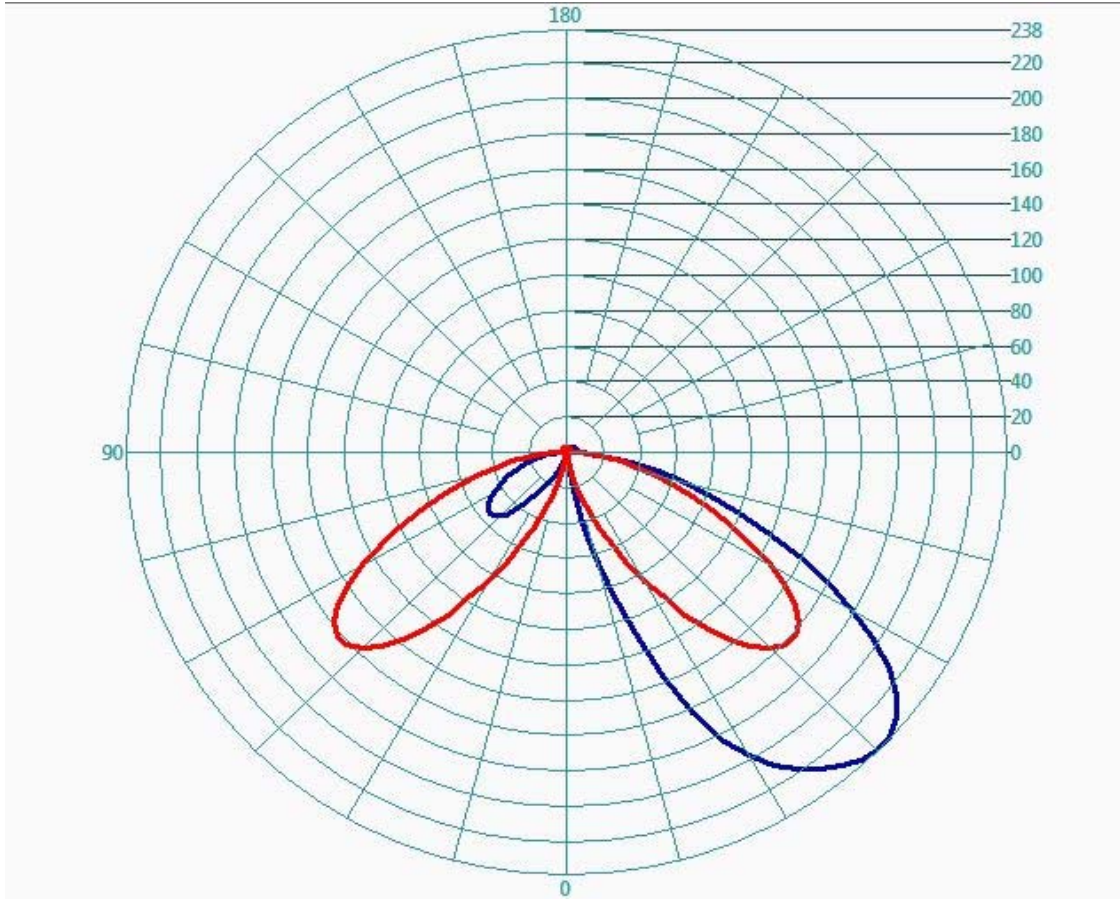
TEST EQUIPMENT

Local ID	Description	Model	Last Cal	Next Cal
BURVS0074	Goniophotometer system	LSI 6440T	2014/4/15	By evidence
BURVS0077	Digital power meter	Yokogawa WT210	2013/7/13	2014/10/28
BURVS0079	OMEGA MDSi8	OMEGA MDSi8	2014/8/28	2014/8/28
AT521	Ambient temp recorder	OMEGA Iserver	2014/4/7	2015/4/28
BURVS0053	Integrating sphere	Labsphere CSTM-LMS	2014/8/12	By evidence
BURVS0058	Spectroradiometer	Labsphere CDS-1100	2014/8/12	By evidence
BURVS0062	AC PSU	Chroma 61603	Reference	Reference
BURVS0059	Digital power meter	Yokogawa WT210	2013/7/23	2014/10/28
BURVS0054	Thermometer	OMEGA MDSi8	2013/8/19	2014/8/28
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.

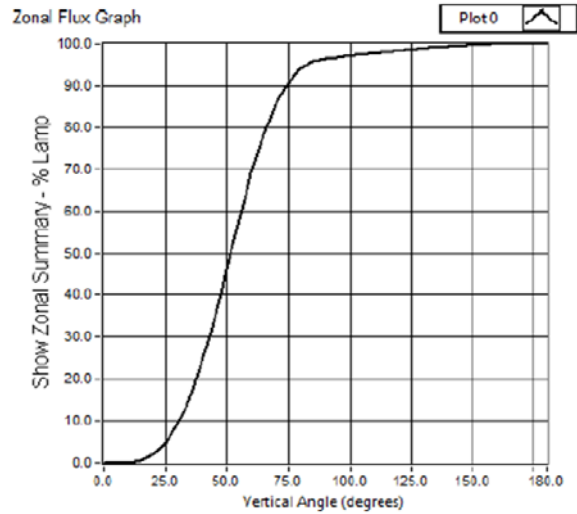
POLAR PLOT (cd)





ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	40.01	7.94	7.94
0 to 40	109.96	21.83	21.83
0 to 60	333.92	66.28	66.28
0 to 90	484.84	96.24	96.24
40 to 90	374.88	74.41	74.41
60 to 90	150.92	29.96	29.96
90 to 180	18.95	3.76	3.76
0 to 180	503.79	100.00	100.00



MAX CONE AND PLANE

Polar Plot - Max Cone and Plane

