

Lab code: 200985-0

## PHOTOMETRIC TEST REPORT

### Customer Company & Address

ARTEMIDE SPA  
VIA BERGAMO 18, PREGNANA MILANESE , MI 20010 - IT

**Manufacturer:** ARTEMIDE SPA  
**Model Number:** TALO LED  
**Product Type:** LED LUMINAIRE  
**Product Description:** LED luminaire for wall mounting equipped with LED modules and integrated electronic control gear. The luminaire is provided with uplight and downlight emission and the optic is composed by white opal and transparent plastic screen.

**LED Model:** NICHIA NF2L757DT-SW30F-4/16-P17R9050-ART  
**Power Supply Model:** ROAL STRATO RSLD 035-12

**Electrical Ratings:**  
Input Voltage (V): 120  
Input Current (A): -  
Input Power (W) 20  
Input Frequency (Hz): 60

**Photometric Measurement:** Absolute  
**Reference Standard:** IES LM-79-08  
**Sample number:** 2247603  
**Total report pages:** 13

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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:** 2015/11/27

### Environmental Conditions:

		Unit
Ambient Temperature:	24.3	°C

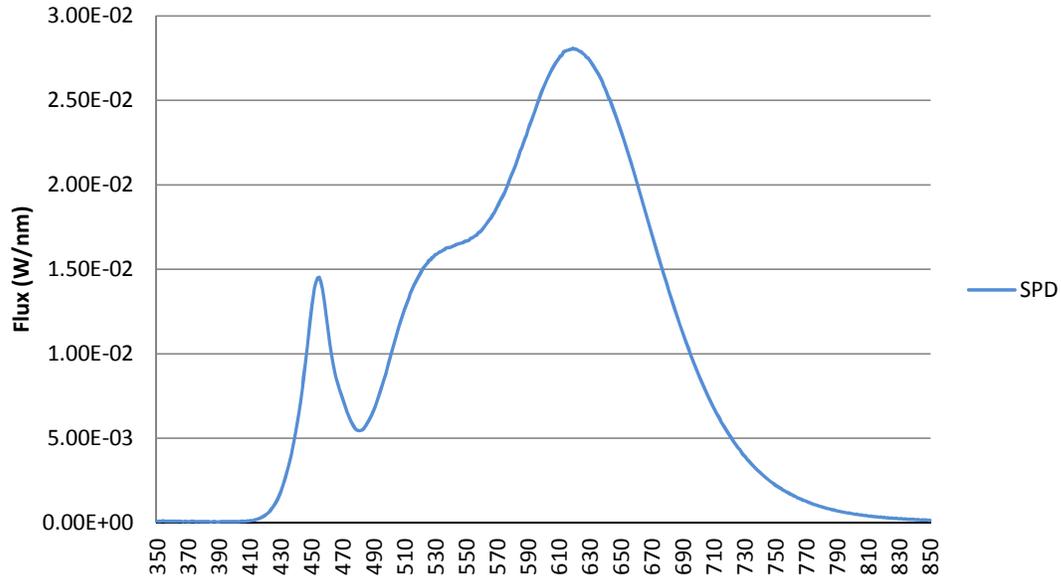
### Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0.18	A
Input Power:	20.5	W
Input Frequency:	60	Hz
Power Factor:	0.95	

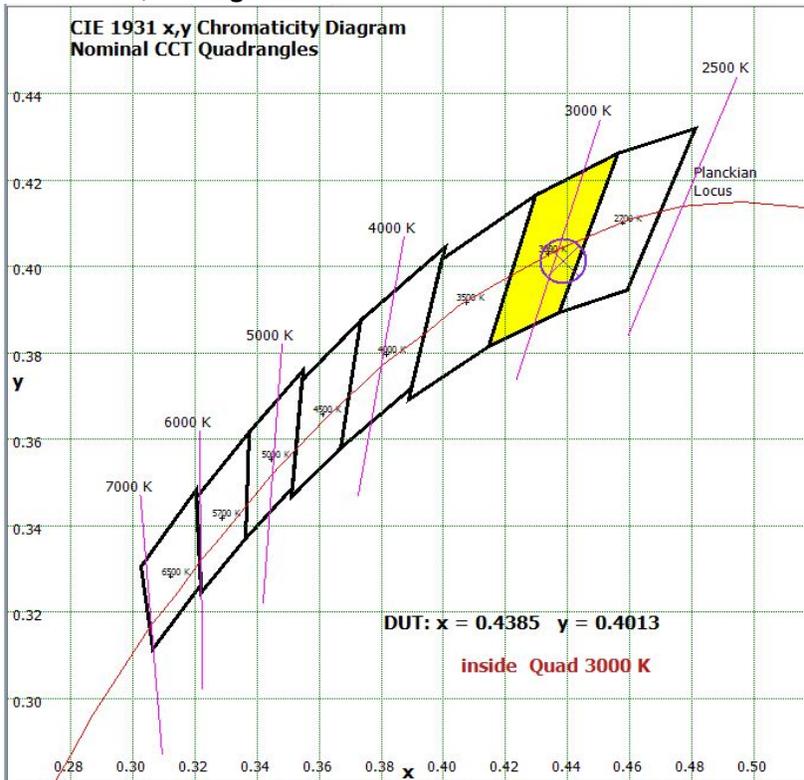
### Photometric results:

		Unit
Chrom x	0.4385	
Chrom y	0.4013	
Chrom u	0.2528	
Chrom v	0.3470	
Duv	0.0016	
Chrom u'	0.2528	
Chrom v'	0.5205	
Peak	619.4	nm
Dominant	583.5	nm
CCT	2949	K
Nominal CCT	3000	K
CRI	95.03	
R9	65.6	
Pre-burning time:	1.00	hrs
Stabilization time:	60	min
Test configuration:	4pi	

### Spectral Power Distribution

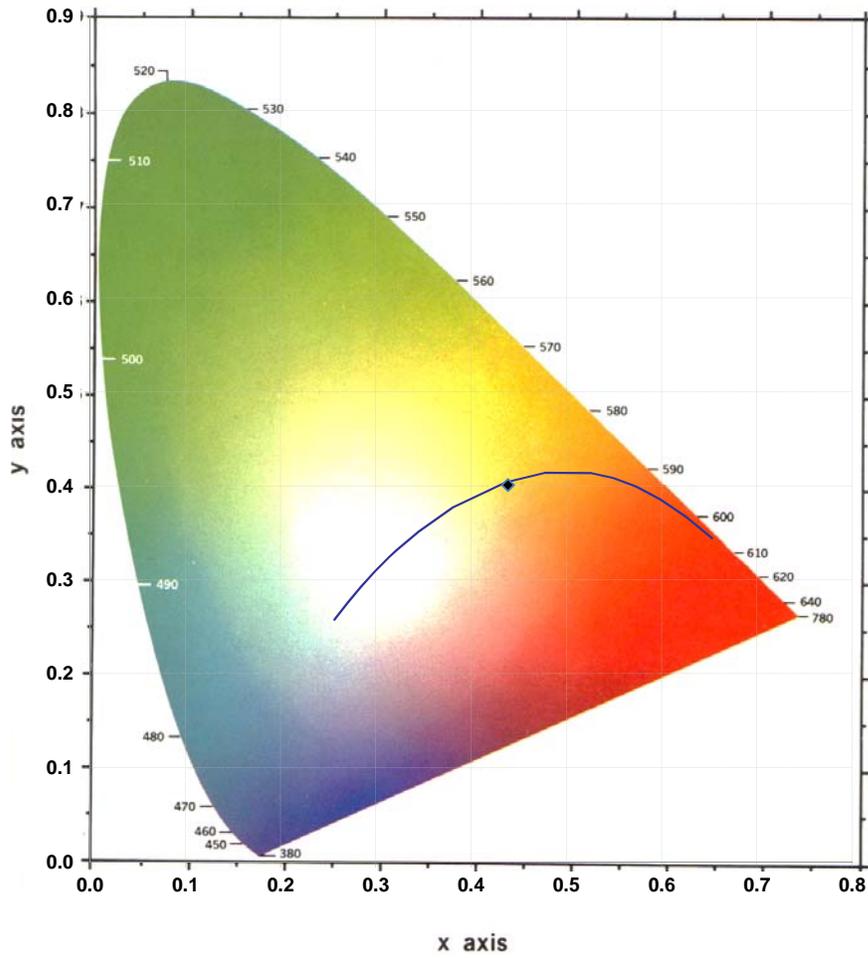


### ANSI CCT Quadrangles





### Chromaticity Diagram CIE 1931



### TEST RESULTS SUMMARY

**Test Method:** Goniophotometer  
**Photometric Measurement:** Absolute  
**Test Date:** 2015/11/27

#### Environmental Conditions:

		Unit
Ambient Temperature:	24.3	°C

#### Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0.179	A
Input Power:	20.64	W
Input Frequency:	60	Hz

#### Photometric results:

		Unit
Total Luminous Flux:	1361.03	Lm
System Efficacy:	65.94	Lm/W
Pre-burning time:	1.00	hrs
Stabilization time:	30	min
Test distance:	8.62	m

#### Dimensions:

	L	W	H	Unit
Sample:	210	100	40	mm
Luminous Area:	140	40	0	mm

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

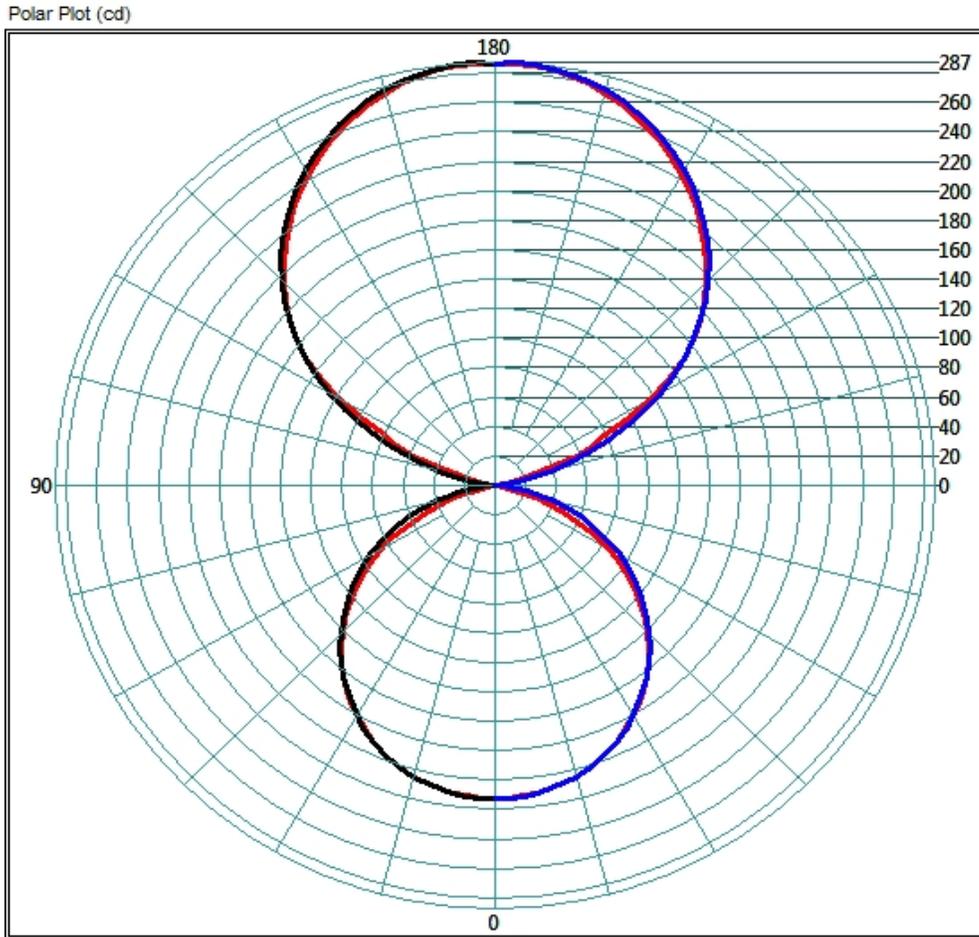
Picture of the tested sample:



### TEST EQUIPMENT

Local ID	Description	Model	Last Cal	Next Cal
BURVS0074	Goniophotometer system	LSI 6440T	2015/2/13	By evidence
BURVS0065	Digital power meter	Yokogawa WT210	2015/9/29	2016/9/28
BURVS0079	OMEGA MDSi8	OMEGA MDSi8	2015/7/6	2016/7/28
AT529	Ambient temp recorder	OMEGA Iserver	2015/8/5	2016/4/28
BURVS0053	Integrating sphere	Labsphere CSTM-LMS	2015/10/29	By evidence
BURVS0058	Spectroradiometer	Labsphere CDS-1100	2015/10/29	By evidence
BURVS0062	AC PSU	Chroma 61603	Reference	Reference
BURVS0059	Digital power meter	Yokogawa WT210	2015/9/29	2016/9/28
BURVS0054	Thermometer	OMEGA MDSi8	2015/7/6	2016/7/28
AT525	Ambient temp recorder	OMEGA Iserver	2015/8/5	2016/4/28
BURVS0078	AC PSU	ELGAR CW 1251	Reference	Reference

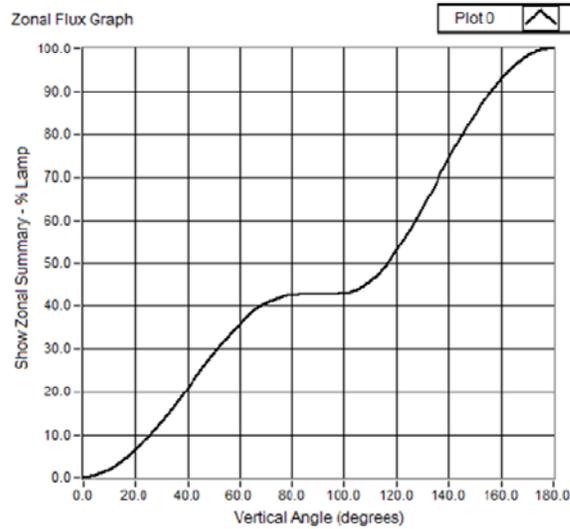
### POLAR PLOT (cd)





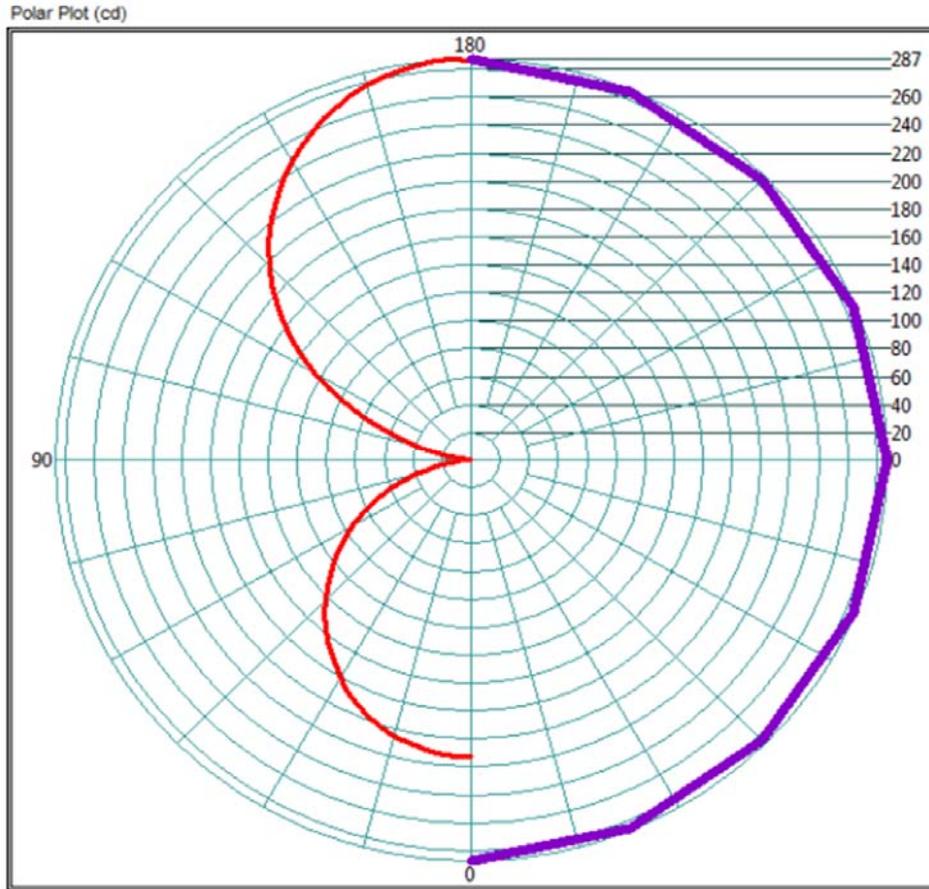
### ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	165.62	12.17	12.17
0 to 40	271.10	19.92	19.92
0 to 60	477.36	35.07	35.07
0 to 90	581.44	42.72	42.72
40 to 90	310.34	22.80	22.80
60 to 90	104.08	7.65	7.65
90 to 180	779.59	57.28	57.28
0 to 180	1361.03	100.00	100.00





### MAX CONE AND PLANE (cd)





Test Report Number: 4787157614.2  
 Test Item Number: 2247603

### Candela Table (cd)

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5	225.0	247.5	270.0	292.5	315.0	337.5
0.0	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5	212.5	211.4	211.6	212.4	212.9	212.4	211.6	211.4	212.5	211.4	211.6	212.4	212.9	212.4	211.6	211.4
5.0	211.5	210.4	210.6	211.4	211.9	211.4	210.6	210.4	211.5	210.4	210.6	211.4	211.9	211.4	210.6	210.4
7.5	210.3	209.3	209.4	210.1	210.6	210.1	209.4	209.3	210.3	209.3	209.4	210.1	210.6	210.1	209.4	209.3
10.0	208.9	207.9	208.1	208.7	209.1	208.7	208.1	207.9	208.9	207.9	208.1	208.7	209.1	208.7	208.1	207.9
12.5	207.2	206.2	206.2	206.9	207.3	206.9	206.2	206.2	207.2	206.2	206.2	206.9	207.3	206.9	206.2	206.2
15.0	205.0	203.9	204.0	204.6	204.9	204.6	204.0	203.9	205.0	203.9	204.0	204.6	204.9	204.6	204.0	203.9
17.5	202.2	201.1	201.3	201.8	202.2	201.8	201.3	201.1	202.2	201.1	201.3	201.8	202.2	201.8	201.3	201.1
20.0	199.2	197.9	198.1	198.6	198.9	198.6	198.1	197.9	199.2	197.9	198.1	198.6	198.9	198.6	198.1	197.9
22.5	195.3	194.3	194.3	194.8	195.0	194.8	194.3	194.3	195.3	194.3	194.3	194.8	195.0	194.8	194.3	194.3
25.0	190.7	190.1	190.2	190.5	190.8	190.5	190.2	190.1	190.7	190.1	190.2	190.5	190.8	190.5	190.2	190.1
27.5	185.8	185.3	185.4	185.7	186.0	185.7	185.4	185.3	185.8	185.3	185.4	185.7	186.0	185.7	185.4	185.3
30.0	180.6	180.0	180.0	180.4	180.5	180.4	180.0	180.0	180.6	180.0	180.0	180.4	180.5	180.4	180.0	180.0
32.5	175.1	174.3	174.3	174.7	174.8	174.7	174.3	174.3	175.1	174.3	174.3	174.7	174.8	174.7	174.3	174.3
35.0	169.2	168.4	168.5	168.8	168.8	168.8	168.5	168.4	169.2	168.4	168.5	168.8	168.8	168.8	168.5	168.4
37.5	163.0	162.2	162.4	162.8	162.7	162.8	162.4	162.2	163.0	162.2	162.4	162.8	162.7	162.8	162.4	162.2
40.0	156.2	155.6	156.1	156.4	156.3	156.4	156.1	155.6	156.2	155.6	156.1	156.4	156.3	156.4	156.1	155.6
42.5	148.7	148.4	149.3	149.6	149.6	149.6	149.3	148.4	148.7	148.4	149.3	149.6	149.6	149.6	149.3	148.4
45.0	140.9	140.9	142.1	142.5	142.4	142.5	142.1	140.9	140.9	140.9	142.1	142.5	142.4	142.5	142.1	140.9
47.5	132.4	133.0	134.5	135.2	135.0	135.2	134.5	133.0	132.4	133.0	134.5	135.2	135.0	135.2	134.5	133.0
50.0	123.5	124.6	126.6	127.5	127.2	127.5	126.6	124.6	123.5	124.6	126.6	127.5	127.2	127.5	126.6	124.6
52.5	114.3	115.6	118.3	119.7	119.4	119.7	118.3	115.6	114.3	115.6	118.3	119.7	119.4	119.7	118.3	115.6
55.0	104.9	106.2	109.9	111.5	111.3	111.5	109.9	106.2	104.9	106.2	109.9	111.5	111.3	111.5	109.9	106.2
57.5	94.9	96.3	100.9	103.2	103.0	103.2	100.9	96.3	94.9	96.3	100.9	103.2	103.0	103.2	100.9	96.3
60.0	84.5	86.2	91.5	94.5	94.3	94.5	91.5	86.2	84.5	86.2	91.5	94.5	94.3	94.5	91.5	86.2
62.5	73.6	75.9	81.6	85.6	85.5	85.6	81.6	75.9	73.6	75.9	81.6	85.6	85.5	85.6	81.6	75.9
65.0	62.4	65.3	71.4	76.5	76.4	76.5	71.4	65.3	62.4	65.3	71.4	76.5	76.4	76.5	71.4	65.3
67.5	51.2	54.3	61.0	67.1	67.3	67.1	61.0	54.3	51.2	54.3	61.0	67.1	67.3	67.1	61.0	54.3
70.0	39.8	43.1	50.5	57.6	58.1	57.6	50.5	43.1	39.8	43.1	50.5	57.6	58.1	57.6	50.5	43.1
72.5	28.4	31.7	39.8	47.8	48.9	47.8	39.8	31.7	28.4	31.7	39.8	47.8	48.9	47.8	39.8	31.7
75.0	17.4	20.7	28.9	37.9	39.6	37.9	28.9	20.7	17.4	20.7	28.9	37.9	39.6	37.9	28.9	20.7
77.5	8.5	10.5	18.3	28.0	30.5	28.0	18.3	10.5	8.5	10.5	18.3	28.0	30.5	28.0	18.3	10.5
80.0	2.6	3.5	8.8	18.2	21.8	18.2	8.8	3.5	2.6	3.5	8.8	18.2	21.8	18.2	8.8	3.5
82.5	1.0	0.8	2.3	8.6	13.9	8.6	2.3	0.8	1.0	0.8	2.3	8.6	13.9	8.6	2.3	0.8
85.0	1.1	0.8	0.5	1.9	6.1	1.9	0.5	0.8	1.1	0.8	0.5	1.9	6.1	1.9	0.5	0.8
87.5	0.9	0.8	0.5	0.4	1.5	0.4	0.5	0.8	0.9	0.8	0.5	0.4	1.5	0.4	0.5	0.8
90.0	0.6	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.6	0.4	0.3	0.2	0.2	0.2	0.3	0.4
92.5	2.0	1.5	0.9	0.7	0.7	0.7	0.9	1.5	2.0	1.5	0.9	0.7	0.7	0.7	0.9	1.5
95.0	3.0	2.5	2.2	1.8	1.9	1.8	2.2	2.5	3.0	2.5	2.2	1.8	1.9	1.8	2.2	2.5
97.5	4.7	4.4	4.8	4.7	7.0	4.7	4.8	4.4	4.7	4.4	4.8	4.7	7.0	4.7	4.8	4.4
100.0	7.6	7.6	8.5	12.7	15.1	12.7	8.5	7.6	7.6	7.6	8.5	12.7	15.1	12.7	8.5	7.6
102.5	11.5	12.8	18.0	23.5	26.3	23.5	18.0	12.8	11.5	12.8	18.0	23.5	26.3	23.5	18.0	12.8
105.0	18.5	21.5	30.9	38.2	37.8	38.2	30.9	21.5	18.5	21.5	30.9	38.2	37.8	38.2	30.9	21.5
107.5	30.6	41.9	41.8	51.6	50.5	51.6	41.8	41.9	30.6	41.9	41.8	51.6	50.5	51.6	41.8	41.9
110.0	57.3	55.9	59.8	65.5	65.1	65.5	59.8	55.9	57.3	55.9	59.8	65.5	65.1	65.5	59.8	55.9
112.5	69.8	65.7	78.2	79.9	80.0	79.9	78.2	65.7	69.8	65.7	78.2	79.9	80.0	79.9	78.2	65.7
115.0	79.2	82.6	94.5	94.7	95.8	94.7	94.5	82.6	79.2	82.6	94.5	94.7	95.8	94.7	94.5	82.6
117.5	96.0	103.4	108.7	109.8	111.2	109.8	108.7	103.4	96.0	103.4	108.7	109.8	111.2	109.8	108.7	103.4
120.0	117.0	122.0	122.2	124.7	125.4	124.7	122.2	122.0	117.0	122.0	122.2	124.7	125.4	124.7	122.2	122.0
122.5	136.3	136.7	135.3	138.3	138.6	138.3	135.3	136.7	136.3	136.7	135.3	138.3	138.6	138.3	135.3	136.7
125.0	151.3	149.1	148.1	151.2	151.4	151.2	148.1	149.1	151.3	149.1	148.1	151.2	151.4	151.2	148.1	149.1
127.5	163.4	160.7	160.6	163.2	163.9	163.2	160.6	160.7	163.4	160.7	160.6	163.2	163.9	163.2	160.6	160.7
130.0	174.6	172.0	172.6	174.8	175.5	174.8	172.6	172.0	174.6	172.0	172.6	174.8	175.5	174.8	172.6	172.0
132.5	185.3	182.9	184.0	186.3	186.7	186.3	184.0	182.9	185.3	182.9	184.0	186.3	186.7	186.3	184.0	182.9



Test Report Number: 4787157614.2  
Test Item Number: 2247603

### Candela Table (cd)

	360.0
0.0	212.4
2.5	212.5
5.0	211.5
7.5	210.3
10.0	208.9
12.5	207.2
15.0	205.0
17.5	202.2
20.0	199.2
22.5	195.3
25.0	190.7
27.5	185.8
30.0	180.6
32.5	175.1
35.0	169.2
37.5	163.0
40.0	156.2
42.5	148.7
45.0	140.9
47.5	132.4
50.0	123.5
52.5	114.3
55.0	104.9
57.5	94.9
60.0	84.5
62.5	73.6
65.0	62.4
67.5	51.2
70.0	39.8
72.5	28.4
75.0	17.4
77.5	8.5
80.0	2.6
82.5	1.0
85.0	1.1
87.5	0.9
90.0	0.6
92.5	2.0
95.0	3.0
97.5	4.7
100.0	7.6
102.5	11.5
105.0	18.5
107.5	30.6
110.0	57.3
112.5	69.8
115.0	79.2
117.5	96.0
120.0	117.0
122.5	136.3
125.0	151.3
127.5	163.4
130.0	174.6
132.5	185.3





Test Report Number: 4787157614.2  
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### Candela Table (cd)

	360.0
135.0	195.2
137.5	204.4
140.0	213.2
142.5	221.4
145.0	229.4
147.5	236.9
150.0	243.7
152.5	250.0
155.0	256.0
157.5	262.1
160.0	267.1
162.5	272.4
165.0	276.2
167.5	279.4
170.0	282.3
172.5	284.5
175.0	285.8
177.5	286.8
180.0	286.1