



TESTING  
NVLAP LAB CODE 200985-0

Project No.: 4788900254  
Report No.: 4788900254-1  
Issue Date: 2019-04-08

## PHOTOMETRIC TEST REPORT

### Testing Laboratory

UL International Italia S.r.l.  
Via Delle Industrie 5&6, 20061 Carugate (MI) - Italy

### Customer Company & Address

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

**Manufacturer:** ARTEMIDE SPA  
**Model Name:** TIZIO LED  
**Model Number:** TIZIO LED  
**Product Type:** LED Luminaire  
**Product Description:** Portable LED desk lamp with external electronic control gear.

**LED Model:** Cree XP-G 3000K  
**Power Supply Model:** UE mod.: UE15WCP1-240063SPA

### Electrical Ratings:

Input Voltage (V): 120  
Input Current (A): -  
Input Power (W) 8  
Input Frequency (Hz) 60

**Photometric Measurement:** Absolute  
**Reference Standard:** IES LM-79-08  
**Sample number:** 2112435  
**Total report pages:** 18

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This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

**Prepared By**  
Giovanni Di Martino  
*Project Handler*

**Name & Signatory**

**Approved By**  
Walter Parmiani  
*Reviewer*

**Name & Signatory**



### TEST RESULTS SUMMARY

**Test Method:** GonioPhotometer  
**Photometric Measurement:** Absolute  
**Date of receipt test sample:** 2019/2/28  
**Test Date:** 2019/4/2

#### Environmental Conditions:

		Unit
Ambient Temperature:	24.3	°C
Relative Humidity	30	%

#### Electrical Conditions:

		Unit
Input Voltage:	120	V
Input Current:	0.161	A
Input Power:	8.88	W
Input frequency:	60	Hz
PF:	0.45	-

#### Photometric results:

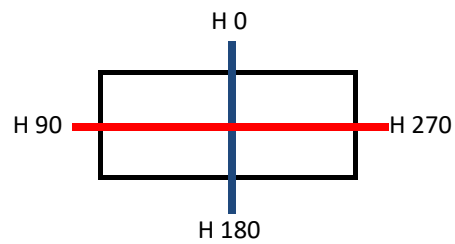
		Unit
Total Luminous Flux:	443.51	Lm
System Efficacy:	49.9	Lm/W
Peak Intensity:	253.8	cd
Pre-burning time:	1.00	hrs
Stabilization time:	30.00	min
Test distance:	8.62	m



Picture of the tested sample:

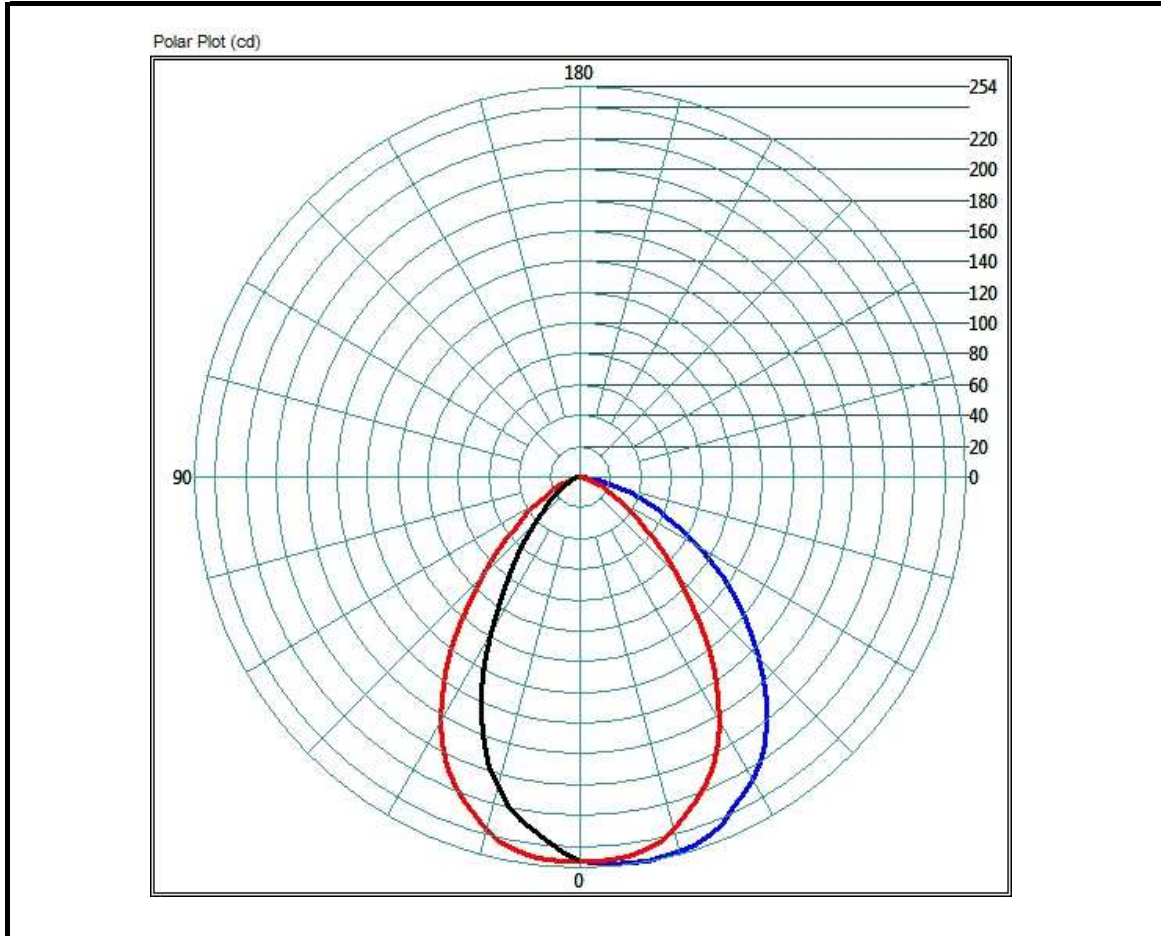


Coordinates system:





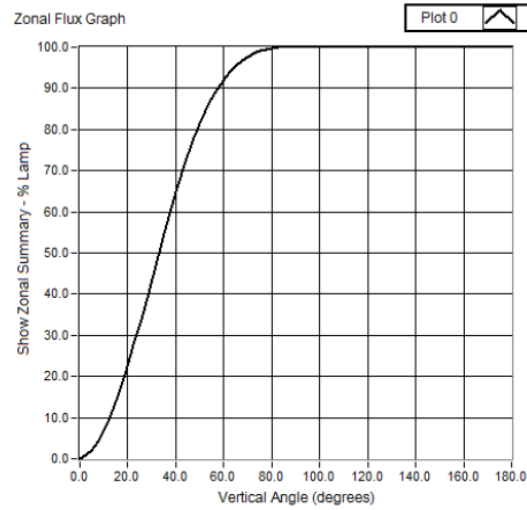
### POLAR PLOT (cd)





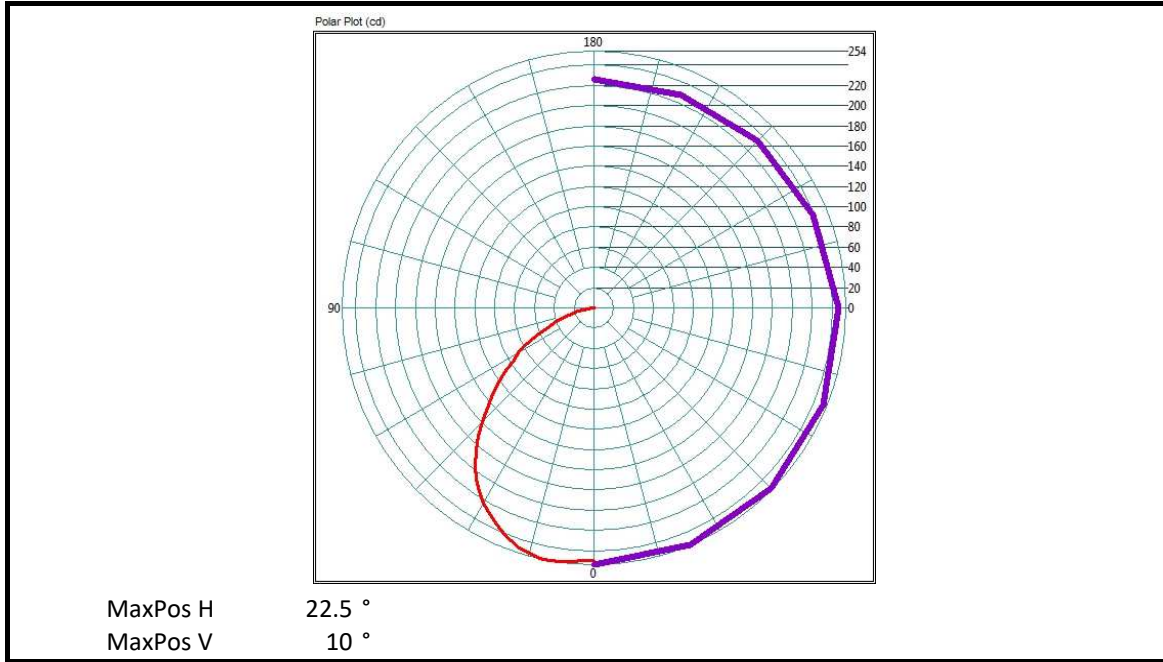
### ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	181.61	40.95	40.95
0 to 40	276.47	62.34	62.34
0 to 60	403.26	90.92	90.92
0 to 90	443.51	100.00	100.00
40 to 90	167.04	37.66	37.66
60 to 90	40.25	9.08	9.08
90 to 180	0.00	0.00	0.00
0 to 180	443.51	100.00	100.00





### MAX CONE AND PLANE





### TEST RESULTS SUMMARY

**Test Method:** Integrating Sphere  
**Photometric Measurement:** Absolute  
**Test Date:** 2019/3/14

#### Environmental Conditions:

		Unit
Ambient Temperature:	24.3	°C
Relative Humidity:	20.7	%

#### Electrical Conditions:

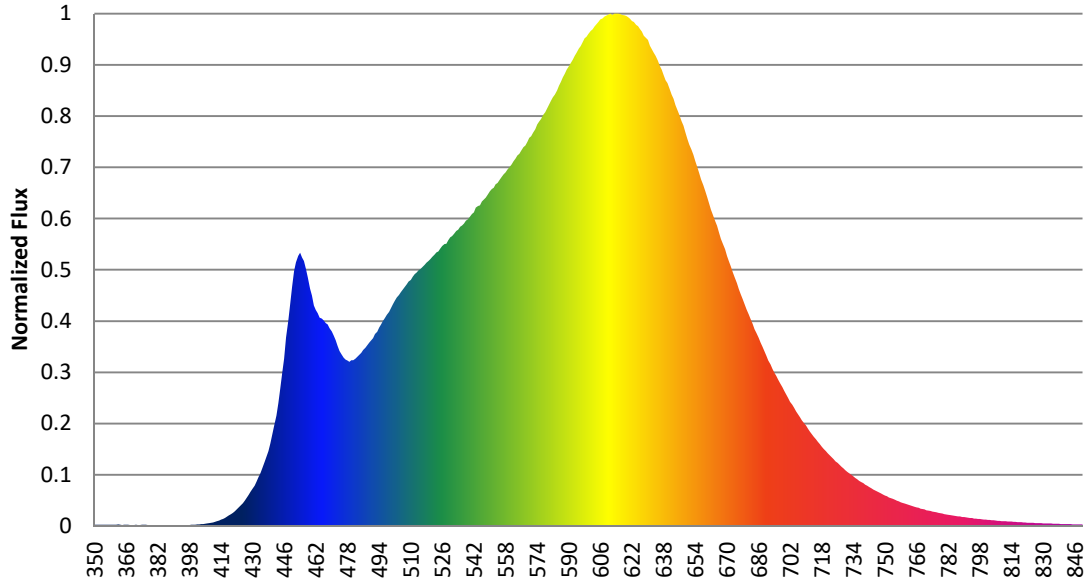
		Unit
Input Voltage:	120	V
Input Current:	0.161	A
Input Power:	8.88	W
Input Frequency:	60	Hz
Power Factor:	0.45	-

#### Photometric results:

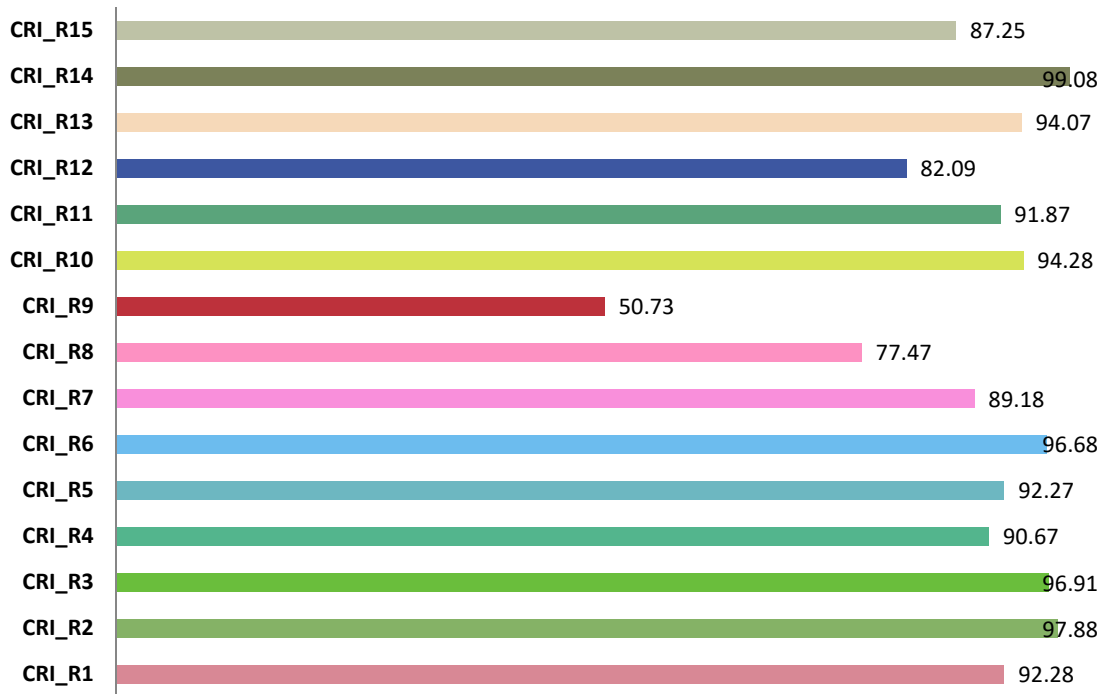
		Unit
S/P Ratio	1.5	-
Chrom x	0.4275	-
Chrom y	0.4009	-
Chrom u	0.2458	-
Chrom v	0.3458	-
Duv	0.0001	-
Chrom u'	0.2458	-
Chrom v'	0.5187	-
Peak	613.1	nm
Dominant	582.0	nm
CCT	3140	K
Nominal CCT	3000	K
Ra	91.67	-
R9	50.73	-
TM-30 Rf	89.05	-
TM-30 Rg	96.29	-
SDCM	4	MacAdam Step
Pre-burning time:	1.00	hrs
Stabilization time:	30	min
Test configuration:	4π	-



### Spectral Power Distribution



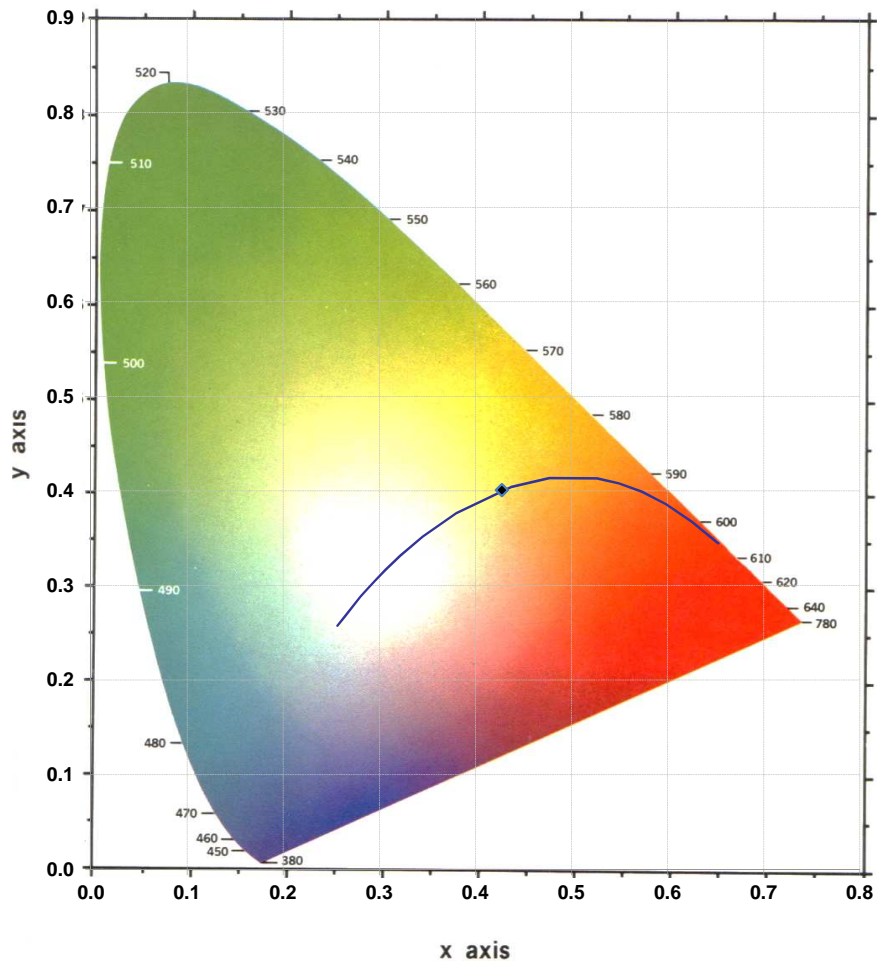
### Color Rendering Index







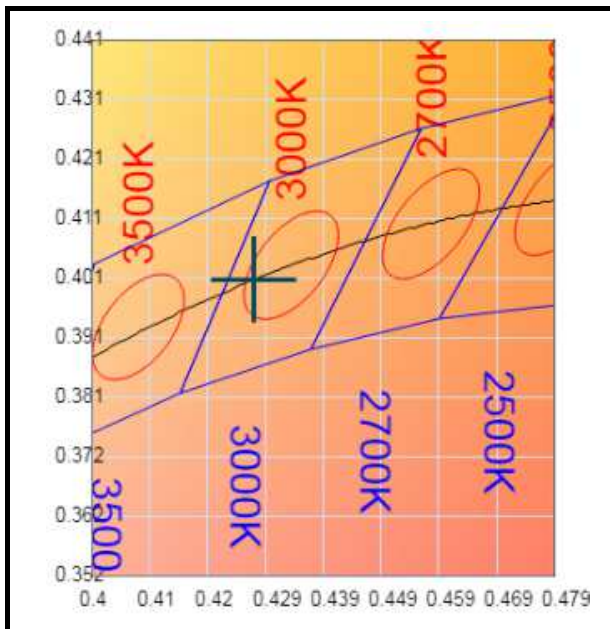
### Chromaticity Diagram CIE 1931





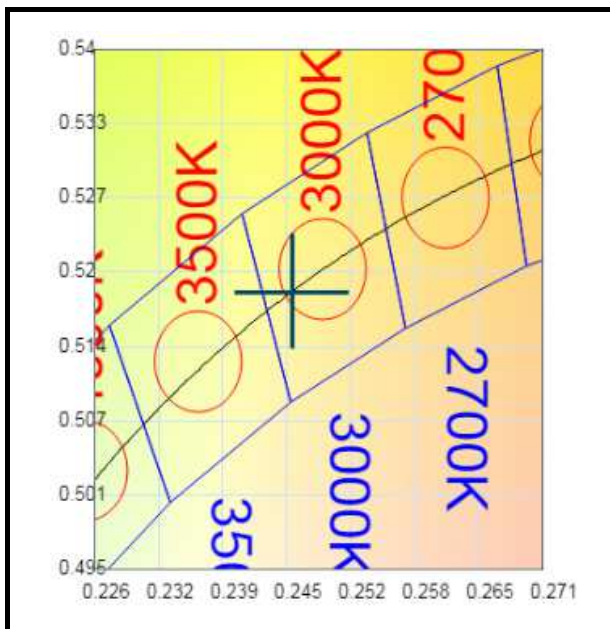
ANSI C78.377-2015

CCT Quadrangles (CIE 1931 x,y)



		Unit
x	0.4275	-
y	0.4009	-
u'	0.2458	-
v'	0.5187	-
Duv	0.0001	-
McAdam Ellipse	4	Step

CCT Quadrangles (CIE 1976 u',v')





**SPECTRAL POWER TABLE (W/nm)**

nm	W/nm	nm	W/nm	nm	W/nm	nm	W/nm
350	0.00003	393	0.00002	436	0.00108	479	0.00277
351	0.00003	394	0.00002	437	0.00117	480	0.00280
352	0.00002	395	0.00002	438	0.00126	481	0.00280
353	0.00002	396	0.00002	439	0.00139	482	0.00283
354	0.00002	397	0.00002	440	0.00154	483	0.00286
355	0.00002	398	0.00002	441	0.00170	484	0.00289
356	0.00003	399	0.00002	442	0.00186	485	0.00292
357	0.00002	400	0.00002	443	0.00208	486	0.00297
358	0.00002	401	0.00003	444	0.00232	487	0.00301
359	0.00002	402	0.00003	445	0.00259	488	0.00305
360	0.00002	403	0.00003	446	0.00283	489	0.00309
361	0.00002	404	0.00003	447	0.00318	490	0.00314
362	0.00003	405	0.00004	448	0.00346	491	0.00317
363	0.00002	406	0.00004	449	0.00375	492	0.00324
364	0.00002	407	0.00005	450	0.00404	493	0.00328
365	0.00002	408	0.00005	451	0.00430	494	0.00335
366	0.00002	409	0.00006	452	0.00445	495	0.00340
367	0.00003	410	0.00006	453	0.00456	496	0.00346
368	0.00002	411	0.00007	454	0.00462	497	0.00351
369	0.00002	412	0.00008	455	0.00453	498	0.00357
370	0.00002	413	0.00009	456	0.00447	499	0.00362
371	0.00002	414	0.00011	457	0.00434	500	0.00368
372	0.00002	415	0.00012	458	0.00420	501	0.00375
373	0.00002	416	0.00014	459	0.00401	502	0.00380
374	0.00002	417	0.00016	460	0.00389	503	0.00386
375	0.00002	418	0.00018	461	0.00372	504	0.00390
376	0.00002	419	0.00020	462	0.00365	505	0.00395
377	0.00002	420	0.00022	463	0.00359	506	0.00399
378	0.00002	421	0.00025	464	0.00352	507	0.00404
379	0.00002	422	0.00028	465	0.00350	508	0.00408
380	0.00002	423	0.00031	466	0.00347	509	0.00413
381	0.00002	424	0.00035	467	0.00343	510	0.00415
382	0.00002	425	0.00039	468	0.00340	511	0.00421
383	0.00002	426	0.00043	469	0.00334	512	0.00425
384	0.00002	427	0.00047	470	0.00329	513	0.00428
385	0.00002	428	0.00053	471	0.00321	514	0.00431
386	0.00002	429	0.00058	472	0.00314	515	0.00434
387	0.00002	430	0.00063	473	0.00304	516	0.00438
388	0.00002	431	0.00068	474	0.00296	517	0.00441
389	0.00002	432	0.00075	475	0.00290	518	0.00444
390	0.00002	433	0.00083	476	0.00284	519	0.00447
391	0.00002	434	0.00089	477	0.00281	520	0.00451
392	0.00002	435	0.00098	478	0.00280	521	0.00454



**SPECTRAL POWER TABLE (W/nm)**

nm	W/nm	nm	W/nm	nm	W/nm	nm	W/nm
522	0.00458	565	0.00628	608	0.00860	651	0.00644
523	0.00462	566	0.00634	609	0.00861	652	0.00635
524	0.00464	567	0.00640	610	0.00863	653	0.00626
525	0.00469	568	0.00642	611	0.00865	654	0.00616
526	0.00473	569	0.00648	612	0.00862	655	0.00606
527	0.00476	570	0.00655	613	0.00865	656	0.00596
528	0.00477	571	0.00658	614	0.00865	657	0.00585
529	0.00483	572	0.00664	615	0.00865	658	0.00575
530	0.00487	573	0.00670	616	0.00864	659	0.00566
531	0.00490	574	0.00678	617	0.00862	660	0.00556
532	0.00493	575	0.00683	618	0.00862	661	0.00545
533	0.00498	576	0.00687	619	0.00861	662	0.00534
534	0.00500	577	0.00694	620	0.00859	663	0.00525
535	0.00505	578	0.00698	621	0.00856	664	0.00515
536	0.00507	579	0.00705	622	0.00852	665	0.00507
537	0.00510	580	0.00711	623	0.00851	666	0.00496
538	0.00515	581	0.00718	624	0.00846	667	0.00484
539	0.00518	582	0.00724	625	0.00843	668	0.00477
540	0.00523	583	0.00728	626	0.00839	669	0.00467
541	0.00527	584	0.00735	627	0.00835	670	0.00456
542	0.00529	585	0.00743	628	0.00828	671	0.00447
543	0.00537	586	0.00750	629	0.00824	672	0.00438
544	0.00540	587	0.00757	630	0.00820	673	0.00428
545	0.00541	588	0.00763	631	0.00811	674	0.00420
546	0.00548	589	0.00770	632	0.00805	675	0.00410
547	0.00551	590	0.00776	633	0.00799	676	0.00400
548	0.00554	591	0.00782	634	0.00793	677	0.00391
549	0.00559	592	0.00787	635	0.00785	678	0.00383
550	0.00565	593	0.00793	636	0.00777	679	0.00374
551	0.00569	594	0.00799	637	0.00770	680	0.00366
552	0.00571	595	0.00806	638	0.00761	681	0.00357
553	0.00577	596	0.00810	639	0.00752	682	0.00349
554	0.00579	597	0.00817	640	0.00747	683	0.00341
555	0.00584	598	0.00823	641	0.00737	684	0.00332
556	0.00589	599	0.00826	642	0.00728	685	0.00326
557	0.00594	600	0.00831	643	0.00721	686	0.00318
558	0.00597	601	0.00836	644	0.00710	687	0.00310
559	0.00602	602	0.00838	645	0.00702	688	0.00302
560	0.00605	603	0.00843	646	0.00694	689	0.00295
561	0.00611	604	0.00847	647	0.00683	690	0.00287
562	0.00616	605	0.00851	648	0.00676	691	0.00280
563	0.00620	606	0.00855	649	0.00664	692	0.00273
564	0.00625	607	0.00857	650	0.00654	693	0.00265



**SPECTRAL POWER TABLE (W/nm)**

nm	W/nm	nm	W/nm	nm	W/nm	nm	W/nm
694	0.00259	737	0.00077	780	0.00020	823	0.00006
695	0.00253	738	0.00074	781	0.00020	824	0.00006
696	0.00247	739	0.00072	782	0.00019	825	0.00005
697	0.00241	740	0.00070	783	0.00019	826	0.00005
698	0.00234	741	0.00068	784	0.00018	827	0.00005
699	0.00228	742	0.00066	785	0.00018	828	0.00005
700	0.00222	743	0.00064	786	0.00017	829	0.00005
701	0.00216	744	0.00062	787	0.00016	830	0.00005
702	0.00210	745	0.00060	788	0.00016	831	0.00005
703	0.00205	746	0.00058	789	0.00016	832	0.00004
704	0.00200	747	0.00057	790	0.00015	833	0.00004
705	0.00194	748	0.00055	791	0.00015	834	0.00004
706	0.00189	749	0.00053	792	0.00014	835	0.00004
707	0.00184	750	0.00052	793	0.00014	836	0.00004
708	0.00178	751	0.00050	794	0.00013	837	0.00004
709	0.00173	752	0.00048	795	0.00013	838	0.00004
710	0.00169	753	0.00047	796	0.00013	839	0.00004
711	0.00164	754	0.00046	797	0.00012	840	0.00004
712	0.00160	755	0.00044	798	0.00012	841	0.00003
713	0.00155	756	0.00043	799	0.00012	842	0.00003
714	0.00151	757	0.00042	800	0.00011	843	0.00003
715	0.00146	758	0.00040	801	0.00011	844	0.00003
716	0.00142	759	0.00039	802	0.00011	845	0.00003
717	0.00138	760	0.00038	803	0.00010	846	0.00003
718	0.00134	761	0.00037	804	0.00010	847	0.00003
719	0.00131	762	0.00036	805	0.00010	848	0.00003
720	0.00127	763	0.00035	806	0.00010	849	0.00003
721	0.00123	764	0.00034	807	0.00009	850	0.00003
722	0.00120	765	0.00032	808	0.00009		
723	0.00116	766	0.00032	809	0.00009		
724	0.00113	767	0.00031	810	0.00008		
725	0.00109	768	0.00030	811	0.00008		
726	0.00106	769	0.00029	812	0.00008		
727	0.00103	770	0.00028	813	0.00008		
728	0.00100	771	0.00027	814	0.00007		
729	0.00097	772	0.00026	815	0.00007		
730	0.00094	773	0.00026	816	0.00007		
731	0.00092	774	0.00025	817	0.00007		
732	0.00089	775	0.00024	818	0.00007		
733	0.00087	776	0.00023	819	0.00006		
734	0.00084	777	0.00022	820	0.00006		
735	0.00081	778	0.00022	821	0.00006		
736	0.00079	779	0.00021	822	0.00006		



**INTENSITY TABLE (cd)**

	<b>0</b>	<b>22.5</b>	<b>45</b>	<b>67.5</b>	<b>90</b>	<b>112.5</b>	<b>135</b>	<b>157.5</b>
<b>0</b>	249.6	249.6	249.6	249.6	249.6	249.6	249.6	249.6
<b>2.5</b>	250.9	250.0	252.0	251.3	250.3	248.9	246.7	245.3
<b>5</b>	252.3	251.9	253.5	252.0	249.4	246.9	242.1	240.0
<b>7.5</b>	253.2	253.3	253.6	251.7	248.3	243.9	237.6	234.8
<b>10</b>	253.3	253.8	252.0	250.6	246.1	239.3	232.8	228.4
<b>12.5</b>	252.6	253.2	250.0	247.6	242.5	233.4	226.9	220.9
<b>15</b>	251.9	251.4	247.3	243.9	237.3	227.9	219.4	211.2
<b>17.5</b>	251.3	248.8	243.7	238.4	230.8	221.2	210.2	200.5
<b>20</b>	248.6	244.8	239.8	232.3	224.0	213.6	200.2	188.7
<b>22.5</b>	244.1	240.0	235.1	225.4	216.1	204.2	188.7	175.3
<b>25</b>	237.8	234.8	229.3	217.0	206.6	193.5	175.4	159.8
<b>27.5</b>	232.3	228.7	221.7	207.0	195.5	182.7	161.5	143.1
<b>30</b>	227.7	222.3	212.1	196.2	183.2	169.2	147.4	126.0
<b>32.5</b>	220.4	214.8	201.6	184.0	169.8	154.5	132.5	109.3
<b>35</b>	211.9	206.3	189.9	170.5	154.9	139.7	117.0	93.8
<b>37.5</b>	201.9	195.8	177.6	155.3	138.5	124.6	102.2	80.1
<b>40</b>	190.6	184.6	164.6	139.3	122.0	109.4	88.6	68.0
<b>42.5</b>	178.3	172.1	150.9	123.6	105.8	94.7	75.5	58.1
<b>45</b>	165.9	159.1	137.7	108.5	90.5	81.0	64.5	47.8
<b>47.5</b>	153.7	146.2	124.3	93.8	76.4	68.3	54.0	38.5
<b>50</b>	141.1	133.3	110.8	80.0	64.4	57.9	44.5	30.8
<b>52.5</b>	128.1	120.5	97.4	67.5	53.7	47.2	36.1	24.7
<b>55</b>	115.6	108.0	84.1	56.7	43.7	38.0	29.0	19.9
<b>57.5</b>	102.9	95.6	71.8	46.5	35.1	30.4	23.2	16.3
<b>60</b>	90.3	88.3	61.3	37.6	28.0	24.1	18.5	13.5
<b>62.5</b>	77.8	75.2	50.7	30.1	22.4	19.1	14.8	11.3
<b>65</b>	65.3	61.3	41.3	24.1	17.9	15.0	11.8	9.4
<b>67.5</b>	55.0	50.6	33.0	19.2	14.4	11.9	9.3	7.7
<b>70</b>	44.8	40.7	25.5	15.1	11.5	9.3	7.4	6.3
<b>72.5</b>	35.2	31.6	19.1	11.7	9.0	7.2	5.7	5.0
<b>75</b>	26.3	23.6	13.7	8.8	6.8	5.4	4.3	3.9
<b>77.5</b>	18.6	16.5	9.3	6.3	4.8	3.8	3.0	2.8
<b>80</b>	11.8	10.1	5.7	4.1	3.2	2.5	2.0	2.0
<b>82.5</b>	6.4	5.0	3.1	2.3	1.8	1.4	1.2	1.2
<b>85</b>	2.8	1.9	1.2	1.0	0.7	0.6	0.5	0.7
<b>87.5</b>	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.2
<b>90</b>	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>92.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>97.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>100</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>102.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>105</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



**INTENSITY TABLE (cd)**

	0	22.5	45	67.5	90	112.5	135	157.5
107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



**INTENSITY TABLE (cd)**

	<b>180</b>	<b>202.5</b>	<b>225</b>	<b>247.5</b>	<b>270</b>	<b>292.5</b>	<b>315</b>	<b>337.5</b>
<b>0.0</b>	249.6	249.6	249.6	249.6	249.6	249.6	249.6	249.6
<b>2.5</b>	244.8	245.3	246.7	248.9	250.3	251.3	252.0	250.0
<b>5.0</b>	238.4	240.0	242.1	246.9	249.4	252.0	253.5	251.9
<b>7.5</b>	232.4	234.8	237.6	243.9	248.3	251.7	253.6	253.3
<b>10.0</b>	226.3	228.4	232.8	239.3	246.1	250.6	252.0	253.8
<b>12.5</b>	218.5	220.9	226.9	233.4	242.5	247.6	250.0	253.2
<b>15.0</b>	208.8	211.2	219.4	227.9	237.3	243.9	247.3	251.4
<b>17.5</b>	197.6	200.5	210.2	221.2	230.8	238.4	243.7	248.8
<b>20.0</b>	185.0	188.7	200.2	213.6	224.0	232.3	239.8	244.8
<b>22.5</b>	170.1	175.3	188.7	204.2	216.1	225.4	235.1	240.0
<b>25.0</b>	153.4	159.8	175.4	193.5	206.6	217.0	229.3	234.8
<b>27.5</b>	135.9	143.1	161.5	182.7	195.5	207.0	221.7	228.7
<b>30.0</b>	118.0	126.0	147.4	169.2	183.2	196.2	212.1	222.3
<b>32.5</b>	100.2	109.3	132.5	154.5	169.8	184.0	201.6	214.8
<b>35.0</b>	84.3	93.8	117.0	139.7	154.9	170.5	189.9	206.3
<b>37.5</b>	70.7	80.1	102.2	124.6	138.5	155.3	177.6	195.8
<b>40.0</b>	60.9	68.0	88.6	109.4	122.0	139.3	164.6	184.6
<b>42.5</b>	50.5	58.1	75.5	94.7	105.8	123.6	150.9	172.1
<b>45.0</b>	40.8	47.8	64.5	81.0	90.5	108.5	137.7	159.1
<b>47.5</b>	32.8	38.5	54.0	68.3	76.4	93.8	124.3	146.2
<b>50.0</b>	26.3	30.8	44.5	57.9	64.4	80.0	110.8	133.3
<b>52.5</b>	21.2	24.7	36.1	47.2	53.7	67.5	97.4	120.5
<b>55.0</b>	17.3	19.9	29.0	38.0	43.7	56.7	84.1	108.0
<b>57.5</b>	14.5	16.3	23.2	30.4	35.1	46.5	71.8	95.6
<b>60.0</b>	12.3	13.5	18.5	24.1	28.0	37.6	61.3	88.3
<b>62.5</b>	10.4	11.3	14.8	19.1	22.4	30.1	50.7	75.2
<b>65.0</b>	8.7	9.4	11.8	15.0	17.9	24.1	41.3	61.3
<b>67.5</b>	7.2	7.7	9.3	11.9	14.4	19.2	33.0	50.6
<b>70.0</b>	5.9	6.3	7.4	9.3	11.5	15.1	25.5	40.7
<b>72.5</b>	4.7	5.0	5.7	7.2	9.0	11.7	19.1	31.6
<b>75.0</b>	3.7	3.9	4.3	5.4	6.8	8.8	13.7	23.6
<b>77.5</b>	2.8	2.8	3.0	3.8	4.8	6.3	9.3	16.5
<b>80.0</b>	2.0	2.0	2.0	2.5	3.2	4.1	5.7	10.1
<b>82.5</b>	1.3	1.2	1.2	1.4	1.8	2.3	3.1	5.0
<b>85.0</b>	0.7	0.7	0.5	0.6	0.7	1.0	1.2	1.9
<b>87.5</b>	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3
<b>90.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>92.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>97.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>100.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>102.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>105.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





**INTENSITY TABLE (cd)**

	180	202.5	225	247.5	270	292.5	315	337.5
107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



**INTENSITY TABLE (cd)**

	<b>360</b>		<b>360</b>
<b>0.0</b>	249.6	<b>102.5</b>	0.0
<b>2.5</b>	250.9	<b>105</b>	0.0
<b>5.0</b>	252.3	<b>107.5</b>	0.0
<b>7.5</b>	253.2	<b>110</b>	0.0
<b>10.0</b>	253.3	<b>112.5</b>	0.0
<b>12.5</b>	252.6	<b>115</b>	0.0
<b>15.0</b>	251.9	<b>117.5</b>	0.0
<b>17.5</b>	251.3	<b>120</b>	0.0
<b>20.0</b>	248.6	<b>122.5</b>	0.0
<b>22.5</b>	244.1	<b>125</b>	0.0
<b>25.0</b>	237.8	<b>127.5</b>	0.0
<b>27.5</b>	232.3	<b>130</b>	0.0
<b>30.0</b>	227.7	<b>132.5</b>	0.0
<b>32.5</b>	220.4	<b>135</b>	0.0
<b>35.0</b>	211.9	<b>137.5</b>	0.0
<b>37.5</b>	201.9	<b>140</b>	0.0
<b>40.0</b>	190.6	<b>142.5</b>	0.0
<b>42.5</b>	178.3	<b>145</b>	0.0
<b>45.0</b>	165.9	<b>147.5</b>	0.0
<b>47.5</b>	153.7	<b>150</b>	0.0
<b>50.0</b>	141.1	<b>152.5</b>	0.0
<b>52.5</b>	128.1	<b>155</b>	0.0
<b>55.0</b>	115.6	<b>157.5</b>	0.0
<b>57.5</b>	102.9	<b>160</b>	0.0
<b>60.0</b>	90.3	<b>162.5</b>	0.0
<b>62.5</b>	77.8	<b>165</b>	0.0
<b>65.0</b>	65.3	<b>167.5</b>	0.0
<b>67.5</b>	55.0	<b>170</b>	0.0
<b>70.0</b>	44.8	<b>172.5</b>	0.0
<b>72.5</b>	35.2	<b>175</b>	0.0
<b>75.0</b>	26.3	<b>177.5</b>	0.0
<b>77.5</b>	18.6	<b>180</b>	0.0
<b>80.0</b>	11.8		
<b>82.5</b>	6.4		
<b>85.0</b>	2.8		
<b>87.5</b>	0.5		
<b>90.0</b>	0.1		
<b>92.5</b>	0.0		
<b>95.0</b>	0.0		
<b>97.5</b>	0.0		
<b>100.0</b>	0.0		

**END OF TEST REPORT**