



TESTING
NVLAP LAB CODE 200985-0

Project No.: 4788770923
Report No.: 4788898506.2
Issue Date: 2019-03-07

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: CALLIMACO LED
Model Number: CALLIMACO LED
Product Type: LED Luminaire
Product Description: Floor LED Luminaire with uplight emission equipped with external electronic control gear.

LED Model: CREE CXB2540
Power Supply Model: TCI DC MAXI JOLLY SV PLV

Electrical Ratings:

Input Voltage (V): 120
Input Current (A): -
Input Power (W) 35
Input Frequency (Hz) 60

Photometric Measurement: Absolute
Reference Standard: IES LM-79-08
Sample number: 2099227
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: 2019/2/21
Test Date: 2019/2/22

Environmental Conditions:

		Unit
Ambient Temperature:	24.3	°C
Relative Humidity	27	%

Electrical Conditions:

		Unit
Input Voltage:	120.25	V
Input Current:	0.29065	A
Input Power:	34.463	W
Input frequency:	60	Hz
PF:	0.986	-
THDi:	6.91	%

Photometric results:

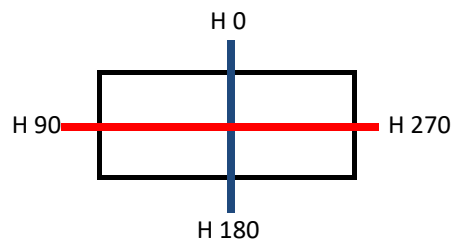
		Unit
Total Luminous Flux:	3236.54	Lm
System Efficacy:	93.9	Lm/W
Peak Intensity:	1453.1	cd
Pre-burning time:	0.50	hrs
Stabilization time:	60.00	min
Test distance:	8.62	m



Picture of the tested sample:

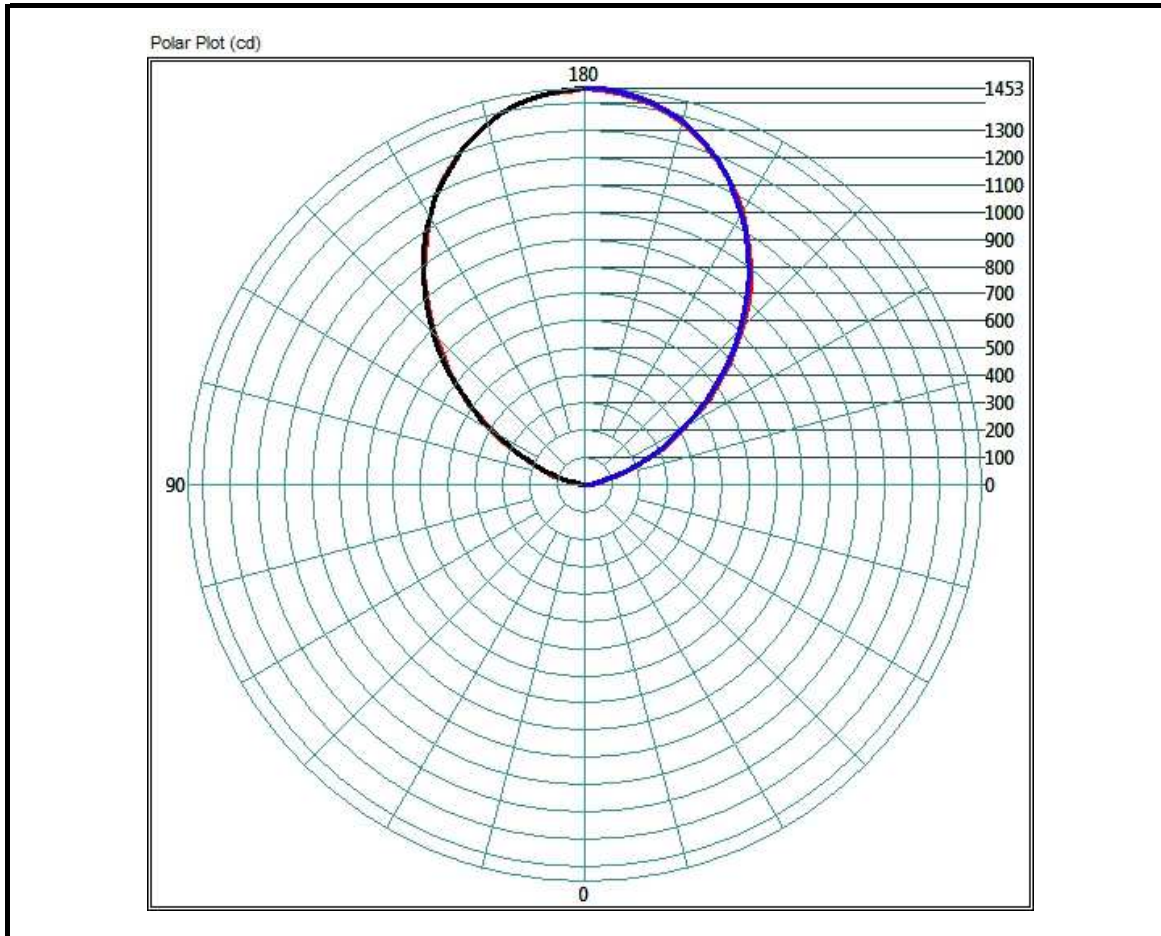


Coordinates system:





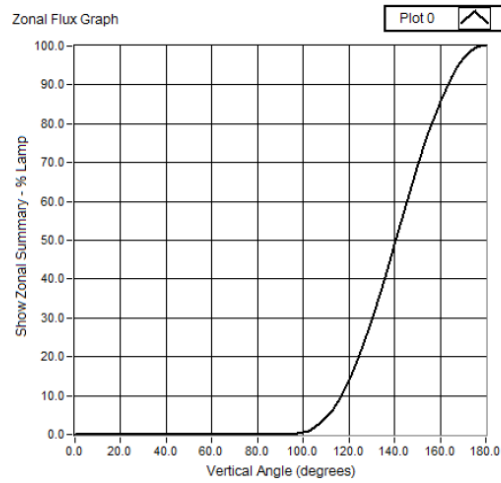
POLAR PLOT (cd)





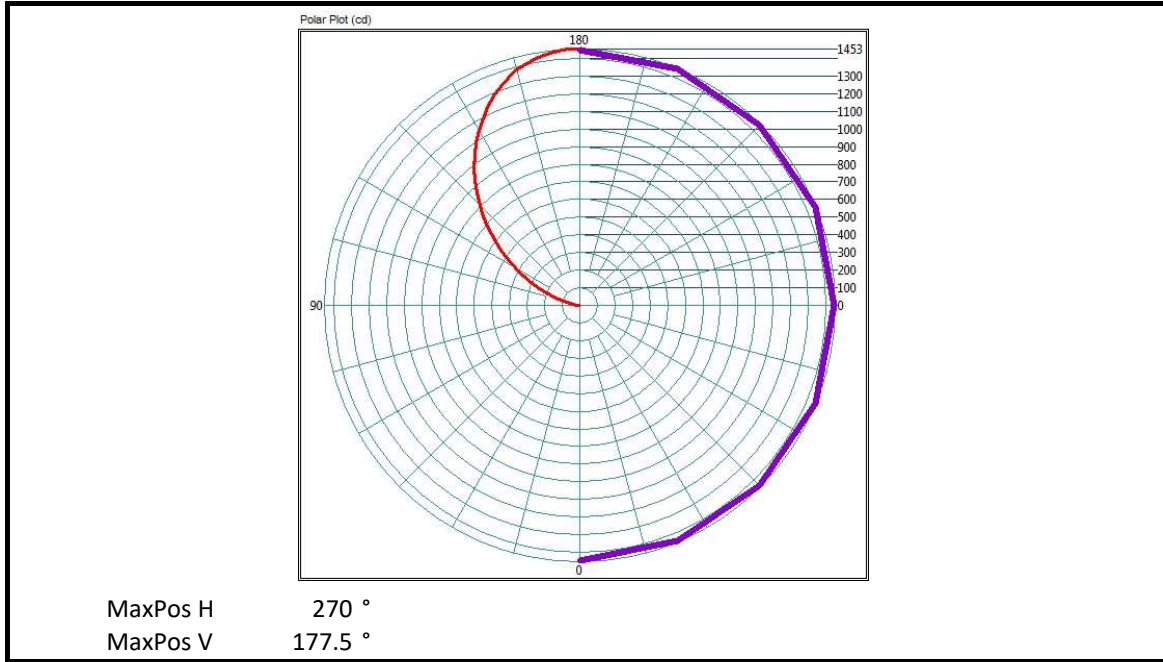
ZONAL LUMEN SUMMARY

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	0.00	0.00	0.00
0 to 40	0.00	0.00	0.00
0 to 60	0.00	0.00	0.00
0 to 90	0.04	0.00	0.00
40 to 90	0.04	0.00	0.00
60 to 90	0.04	0.00	0.00
90 to 180	3236.50	100.00	100.00
0 to 180	3236.54	100.00	100.00





MAX CONE AND PLANE





TEST RESULTS SUMMARY

Test Method: Integrating Sphere
Photometric Measurement: Absolute
Test Date: 2019/2/22

Environmental Conditions:

		Unit
Ambient Temperature:	24.9	°C
Relative Humidity:	27.4	%

Electrical Conditions:

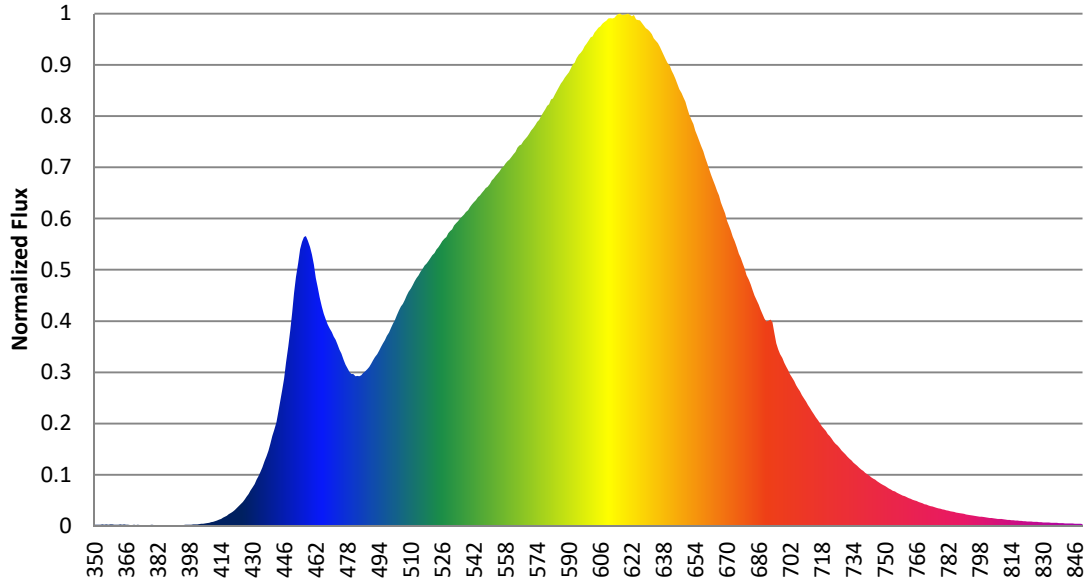
		Unit
Input Voltage:	120	V
Input Current:	0.291	A
Input Power:	35.02	W
Input Frequency:	60	Hz
Power Factor:	0.98	-
THDi:	0	%

Photometric results:

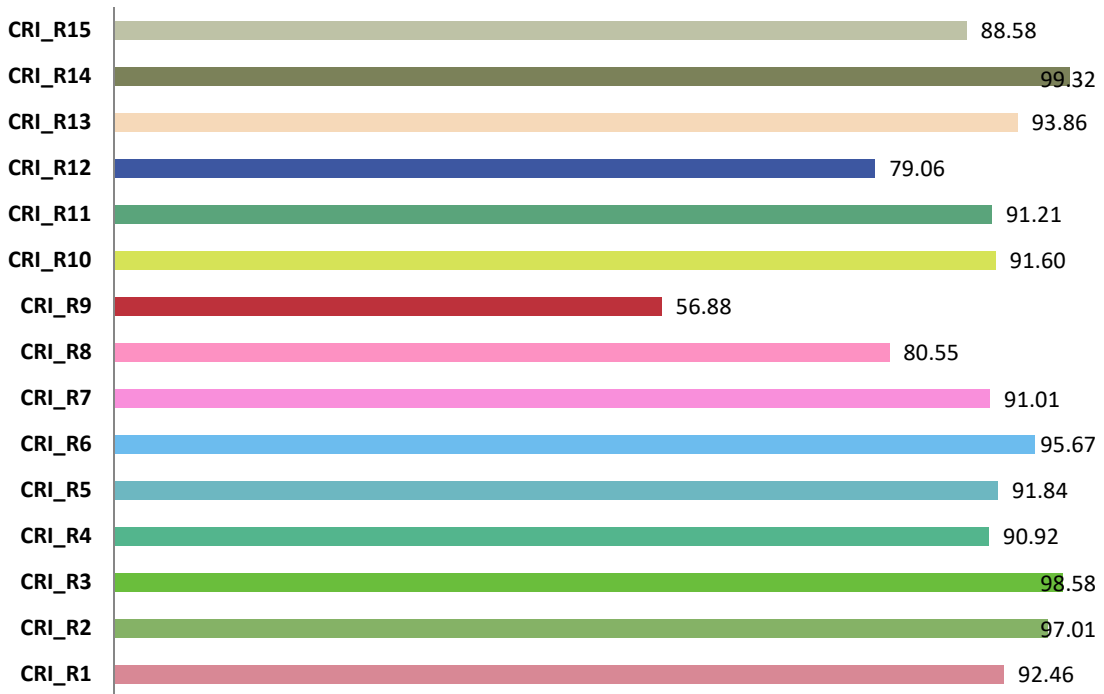
		Unit
S/P Ratio	1.5	-
Chrom x	0.4291	-
Chrom y	0.4012	-
Chrom u	0.2467	-
Chrom v	0.3460	-
Duv	0.0000	-
Chrom u'	0.2467	-
Chrom v'	0.5191	-
Peak	616.4	nm
Dominant	582.0	nm
CCT	3113	K
Nominal CCT	3000	K
Ra	92.26	-
R9	56.88	-
TM-30 Rf	89.22	-
TM-30 Rg	97.11	-
SDCM	3	MacAdam Step
Pre-burning time:	1.00	hrs
Stabilization time:	30	min
Test configuration:	4π	-



Spectral Power Distribution

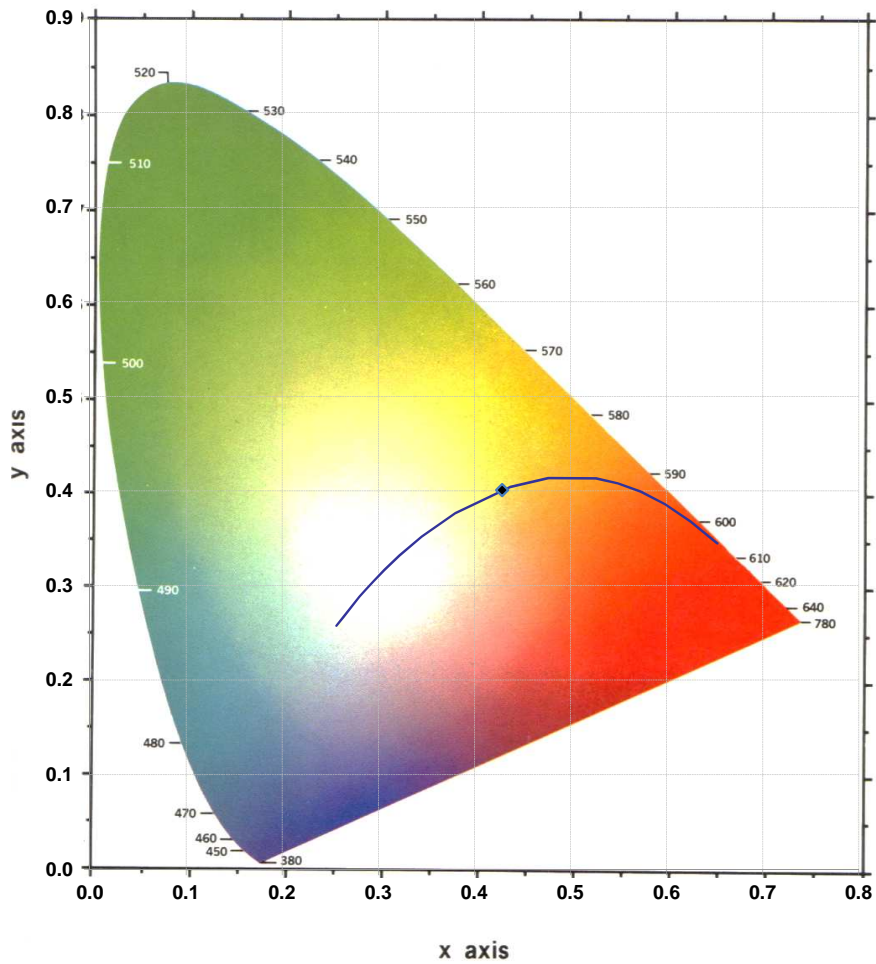


Color Rendering Index





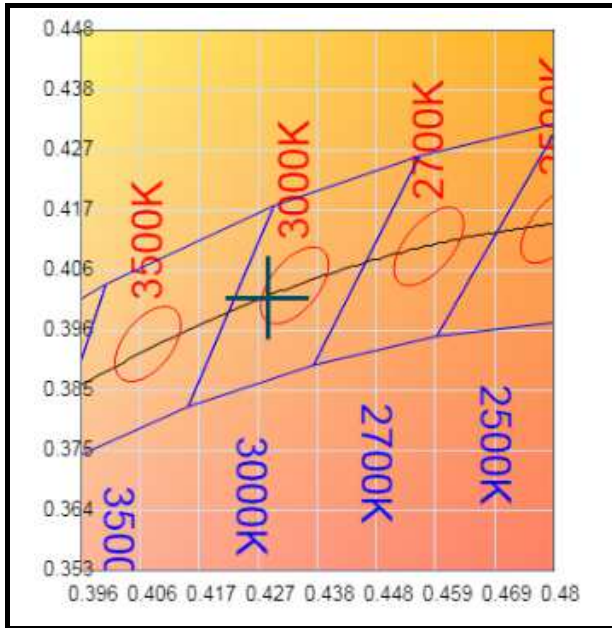
Chromaticity Diagram CIE 1931





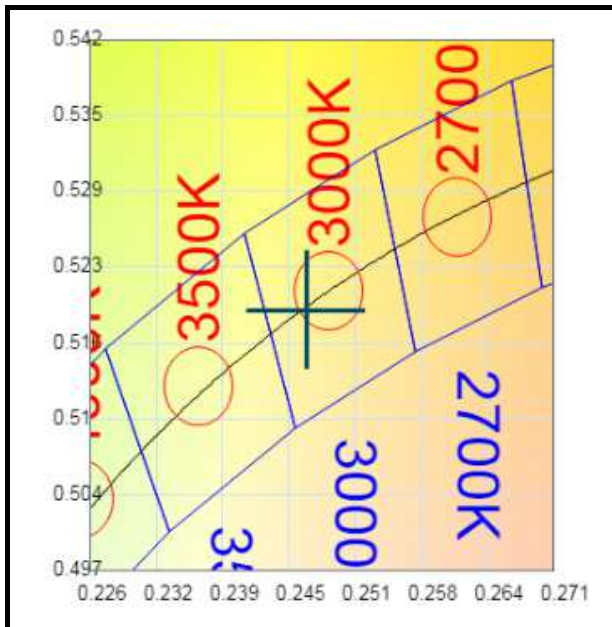
ANSI C78.377-2015

CCT Quadrangles (CIE 1931 x,y)



		Unit
x	0.4291	-
y	0.4012	-
u'	0.2467	-
v'	0.5191	-
Duv	0.0000	-
McAdam Ellipse	3	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	0.00018	393	0.00014	436	0.00810	479	0.01926
351	0.00017	394	0.00015	437	0.00873	480	0.01896
352	0.00019	395	0.00015	438	0.00939	481	0.01898
353	0.00016	396	0.00016	439	0.01027	482	0.01870
354	0.00020	397	0.00017	440	0.01122	483	0.01873
355	0.00019	398	0.00016	441	0.01199	484	0.01869
356	0.00021	399	0.00018	442	0.01294	485	0.01879
357	0.00018	400	0.00020	443	0.01426	486	0.01911
358	0.00020	401	0.00020	444	0.01562	487	0.01933
359	0.00020	402	0.00023	445	0.01697	488	0.01957
360	0.00017	403	0.00025	446	0.01840	489	0.01983
361	0.00017	404	0.00028	447	0.02040	490	0.02026
362	0.00018	405	0.00031	448	0.02239	491	0.02069
363	0.00019	406	0.00034	449	0.02438	492	0.02110
364	0.00016	407	0.00037	450	0.02657	493	0.02145
365	0.00020	408	0.00042	451	0.02907	494	0.02187
366	0.00018	409	0.00048	452	0.03105	495	0.02238
367	0.00019	410	0.00055	453	0.03283	496	0.02280
368	0.00015	411	0.00062	454	0.03454	497	0.02318
369	0.00015	412	0.00070	455	0.03547	498	0.02373
370	0.00016	413	0.00079	456	0.03604	499	0.02418
371	0.00015	414	0.00091	457	0.03619	500	0.02473
372	0.00016	415	0.00104	458	0.03562	501	0.02525
373	0.00014	416	0.00116	459	0.03483	502	0.02569
374	0.00015	417	0.00131	460	0.03386	503	0.02629
375	0.00014	418	0.00147	461	0.03261	504	0.02690
376	0.00013	419	0.00165	462	0.03096	505	0.02740
377	0.00015	420	0.00180	463	0.02980	506	0.02771
378	0.00015	421	0.00202	464	0.02856	507	0.02821
379	0.00015	422	0.00227	465	0.02735	508	0.02877
380	0.00013	423	0.00250	466	0.02646	509	0.02924
381	0.00013	424	0.00273	467	0.02578	510	0.02964
382	0.00013	425	0.00302	468	0.02514	511	0.03008
383	0.00013	426	0.00333	469	0.02469	512	0.03055
384	0.00012	427	0.00367	470	0.02420	513	0.03093
385	0.00013	428	0.00399	471	0.02366	514	0.03125
386	0.00013	429	0.00443	472	0.02326	515	0.03172
387	0.00012	430	0.00480	473	0.02265	516	0.03209
388	0.00014	431	0.00523	474	0.02202	517	0.03250
389	0.00013	432	0.00580	475	0.02152	518	0.03275
390	0.00014	433	0.00622	476	0.02071	519	0.03305
391	0.00013	434	0.00674	477	0.02014	520	0.03342
392	0.00013	435	0.00730	478	0.01968	521	0.03376



SPECTRAL POWER TABLE (W/nm)

nm	W/nm	nm	W/nm	nm	W/nm	nm	W/nm
522	0.03406	565	0.04748	608	0.06290	651	0.05136
523	0.03448	566	0.04761	609	0.06302	652	0.05067
524	0.03480	567	0.04804	610	0.06332	653	0.05013
525	0.03516	568	0.04830	611	0.06334	654	0.04931
526	0.03553	569	0.04860	612	0.06333	655	0.04870
527	0.03584	570	0.04896	613	0.06339	656	0.04805
528	0.03606	571	0.04935	614	0.06366	657	0.04743
529	0.03652	572	0.04961	615	0.06388	658	0.04674
530	0.03682	573	0.05002	616	0.06393	659	0.04594
531	0.03700	574	0.05042	617	0.06376	660	0.04529
532	0.03749	575	0.05068	618	0.06380	661	0.04457
533	0.03780	576	0.05113	619	0.06385	662	0.04385
534	0.03807	577	0.05154	620	0.06390	663	0.04318
535	0.03838	578	0.05199	621	0.06377	664	0.04246
536	0.03863	579	0.05241	622	0.06361	665	0.04179
537	0.03887	580	0.05260	623	0.06373	666	0.04124
538	0.03915	581	0.05320	624	0.06321	667	0.04038
539	0.03943	582	0.05333	625	0.06311	668	0.03974
540	0.03980	583	0.05381	626	0.06308	669	0.03900
541	0.04012	584	0.05433	627	0.06276	670	0.03810
542	0.04042	585	0.05476	628	0.06245	671	0.03747
543	0.04064	586	0.05521	629	0.06212	672	0.03686
544	0.04106	587	0.05554	630	0.06193	673	0.03609
545	0.04124	588	0.05592	631	0.06168	674	0.03553
546	0.04155	589	0.05626	632	0.06137	675	0.03473
547	0.04183	590	0.05660	633	0.06086	676	0.03400
548	0.04214	591	0.05709	634	0.06058	677	0.03346
549	0.04234	592	0.05760	635	0.06024	678	0.03280
550	0.04268	593	0.05781	636	0.05980	679	0.03215
551	0.04314	594	0.05836	637	0.05929	680	0.03129
552	0.04335	595	0.05882	638	0.05878	681	0.03076
553	0.04369	596	0.05905	639	0.05826	682	0.03014
554	0.04396	597	0.05938	640	0.05778	683	0.02945
555	0.04424	598	0.05985	641	0.05746	684	0.02876
556	0.04466	599	0.06018	642	0.05680	685	0.02825
557	0.04489	600	0.06052	643	0.05632	686	0.02762
558	0.04522	601	0.06097	644	0.05578	687	0.02699
559	0.04553	602	0.06107	645	0.05514	688	0.02644
560	0.04572	603	0.06156	646	0.05451	689	0.02586
561	0.04608	604	0.06186	647	0.05400	690	0.02553
562	0.04639	605	0.06215	648	0.05346	691	0.02560
563	0.04666	606	0.06231	649	0.05292	692	0.02577
564	0.04718	607	0.06268	650	0.05212	693	0.02545



SPECTRAL POWER TABLE (W/nm)

nm	W/nm	nm	W/nm	nm	W/nm	nm	W/nm
694	0.02407	737	0.00727	780	0.00203	823	0.00057
695	0.02280	738	0.00705	781	0.00198	824	0.00057
696	0.02206	739	0.00687	782	0.00193	825	0.00055
697	0.02146	740	0.00665	783	0.00186	826	0.00054
698	0.02097	741	0.00649	784	0.00181	827	0.00051
699	0.02036	742	0.00630	785	0.00176	828	0.00051
700	0.01989	743	0.00608	786	0.00170	829	0.00049
701	0.01947	744	0.00593	787	0.00165	830	0.00047
702	0.01894	745	0.00579	788	0.00161	831	0.00046
703	0.01851	746	0.00560	789	0.00155	832	0.00045
704	0.01809	747	0.00546	790	0.00152	833	0.00044
705	0.01758	748	0.00529	791	0.00147	834	0.00043
706	0.01717	749	0.00514	792	0.00143	835	0.00042
707	0.01680	750	0.00500	793	0.00139	836	0.00041
708	0.01634	751	0.00484	794	0.00135	837	0.00039
709	0.01591	752	0.00470	795	0.00130	838	0.00039
710	0.01553	753	0.00456	796	0.00126	839	0.00037
711	0.01511	754	0.00442	797	0.00123	840	0.00036
712	0.01475	755	0.00431	798	0.00119	841	0.00035
713	0.01433	756	0.00417	799	0.00115	842	0.00034
714	0.01399	757	0.00406	800	0.00113	843	0.00033
715	0.01355	758	0.00392	801	0.00110	844	0.00032
716	0.01322	759	0.00382	802	0.00106	845	0.00032
717	0.01286	760	0.00373	803	0.00103	846	0.00030
718	0.01247	761	0.00362	804	0.00100	847	0.00030
719	0.01217	762	0.00348	805	0.00098	848	0.00028
720	0.01186	763	0.00339	806	0.00095	849	0.00028
721	0.01149	764	0.00329	807	0.00091	850	0.00027
722	0.01121	765	0.00320	808	0.00089		
723	0.01093	766	0.00312	809	0.00087		
724	0.01055	767	0.00299	810	0.00083		
725	0.01028	768	0.00291	811	0.00081		
726	0.01002	769	0.00283	812	0.00079		
727	0.00974	770	0.00274	813	0.00077		
728	0.00944	771	0.00267	814	0.00075		
729	0.00920	772	0.00259	815	0.00073		
730	0.00895	773	0.00250	816	0.00070		
731	0.00866	774	0.00243	817	0.00069		
732	0.00841	775	0.00238	818	0.00067		
733	0.00820	776	0.00230	819	0.00065		
734	0.00790	777	0.00222	820	0.00063		
735	0.00773	778	0.00216	821	0.00061		
736	0.00752	779	0.00210	822	0.00059		



INTENSITY TABLE (cd)

	0	22.5	45	67.5	90	112.5	135	157.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
92.5	0.7	0.6	0.7	0.8	1.1	1.5	1.7	1.6
95	3.5	3.6	3.8	4.1	4.8	5.4	6.1	6.4
97.5	10.5	9.7	9.6	10.0	11.2	12.8	14.8	17.4
100	28.0	24.7	22.9	23.0	25.4	28.4	32.8	38.3
102.5	55.2	48.9	45.8	45.7	48.4	52.9	58.8	67.3
105	88.8	80.7	77.1	76.6	79.5	85.8	92.2	102.5



INTENSITY TABLE (cd)

	0	22.5	45	67.5	90	112.5	135	157.5
107.5	127.2	119.6	115.2	114.7	117.9	125.5	132.3	143.3
110.0	170.9	164.2	158.9	158.7	163.1	170.6	178.4	189.6
112.5	220.1	212.8	207.9	208.6	213.8	220.6	229.1	240.6
115.0	273.9	265.6	262.6	263.7	268.3	276.2	284.5	295.7
117.5	330.0	323.1	320.8	322.6	326.8	336.5	343.9	354.3
120.0	388.3	384.5	382.4	384.4	389.6	398.8	406.2	416.0
122.5	450.9	447.7	445.6	448.8	455.5	463.3	470.8	480.8
125.0	515.6	511.8	510.7	515.1	521.6	529.6	536.6	546.2
127.5	581.4	577.6	577.5	582.1	588.2	597.7	604.2	612.2
130.0	646.3	644.1	643.8	647.6	651.6	661.8	668.4	675.5
132.5	708.9	708.0	705.6	711.7	717.4	729.0	735.9	743.3
135.0	774.9	774.1	772.3	778.8	784.7	795.2	802.5	809.3
137.5	840.7	839.2	837.9	844.5	849.5	860.0	867.0	872.1
140.0	905.0	902.4	901.7	906.7	912.1	922.2	928.8	933.0
142.5	965.9	963.7	962.4	966.2	971.8	981.6	988.1	992.6
145.0	1023.1	1022.2	1019.0	1024.1	1028.6	1037.2	1043.6	1048.6
147.5	1079.3	1077.8	1074.9	1079.5	1083.2	1090.6	1096.3	1100.7
150.0	1133.4	1130.7	1128.9	1131.4	1135.0	1141.5	1146.8	1150.7
152.5	1184.0	1180.8	1179.0	1180.4	1183.3	1189.0	1194.1	1198.5
155.0	1229.2	1226.4	1224.1	1225.5	1227.9	1232.9	1237.7	1242.7
157.5	1270.3	1267.8	1265.3	1267.2	1267.7	1272.4	1277.0	1281.4
160.0	1307.1	1304.9	1302.4	1304.1	1304.4	1308.0	1312.3	1315.8
162.5	1340.4	1338.5	1336.0	1336.6	1337.5	1340.3	1344.2	1347.5
165.0	1370.7	1368.7	1366.6	1367.4	1368.4	1370.2	1373.3	1376.6
167.5	1396.7	1395.9	1394.5	1394.9	1395.2	1396.7	1399.2	1401.4
170.0	1417.2	1417.1	1416.4	1416.6	1417.1	1417.4	1419.9	1422.0
172.5	1431.4	1431.8	1432.8	1432.5	1432.8	1433.3	1434.8	1436.9
175.0	1440.0	1441.5	1442.3	1443.0	1442.8	1443.0	1444.2	1445.6
177.5	1445.2	1446.6	1447.5	1449.0	1448.8	1449.3	1449.0	1450.5
180.0	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7



INTENSITY TABLE (cd)

	180	202.5	225	247.5	270	292.5	315	337.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
92.5	2.6	2.4	2.1	1.9	1.5	1.2	1.1	0.9
95.0	7.9	7.8	7.7	7.3	6.5	5.7	5.0	4.5
97.5	22.2	21.5	21.4	19.4	18.3	16.6	15.2	14.1
100.0	46.4	45.6	45.9	43.6	42.6	39.3	37.3	34.7
102.5	78.0	77.6	78.1	76.4	74.7	69.7	67.0	63.8
105.0	115.1	115.9	116.9	114.8	111.9	106.2	102.8	99.7



INTENSITY TABLE (cd)

	180	202.5	225	247.5	270	292.5	315	337.5
107.5	157.4	158.7	160.8	156.9	153.8	147.9	144.2	140.0
110.0	204.5	205.2	207.7	203.2	200.3	193.2	190.3	184.2
112.5	255.8	256.2	257.8	254.3	250.2	242.0	239.1	233.5
115.0	310.8	311.8	312.6	308.5	303.3	295.3	291.9	287.7
117.5	369.8	370.7	371.0	365.8	360.2	352.5	349.3	343.8
120.0	431.7	432.0	431.3	427.2	421.3	413.3	409.8	402.5
122.5	495.5	494.8	493.0	489.5	484.0	476.2	471.8	464.7
125.0	561.3	560.4	557.4	554.4	547.6	540.9	535.7	530.2
127.5	628.3	627.4	624.3	620.8	613.2	606.8	601.9	596.0
130.0	691.2	689.9	686.9	682.0	675.7	669.4	665.2	658.0
132.5	756.6	754.9	751.3	746.6	741.3	735.6	731.2	723.0
135.0	820.6	817.9	814.1	810.7	804.3	799.5	795.0	788.5
137.5	883.1	879.6	876.2	872.8	866.5	862.4	858.5	852.8
140.0	942.8	940.1	936.3	932.5	927.3	924.0	919.8	913.6
142.5	998.2	996.3	991.8	989.2	984.9	982.6	978.8	972.0
145.0	1053.0	1050.9	1046.8	1045.1	1040.5	1039.3	1034.9	1029.4
147.5	1104.8	1101.9	1099.3	1097.8	1094.4	1092.3	1089.6	1084.2
150.0	1153.7	1152.3	1149.4	1149.0	1146.2	1144.1	1141.5	1136.4
152.5	1199.1	1199.1	1196.4	1196.5	1195.0	1193.6	1190.2	1185.3
155.0	1241.4	1241.9	1241.2	1241.9	1240.2	1239.2	1235.5	1231.3
157.5	1280.7	1282.3	1281.7	1283.9	1282.2	1281.0	1278.0	1274.1
160.0	1316.4	1319.4	1319.5	1321.8	1320.7	1319.8	1316.7	1312.9
162.5	1346.9	1350.4	1351.8	1354.0	1353.1	1352.2	1349.7	1345.9
165.0	1374.0	1377.9	1380.6	1381.7	1381.2	1380.2	1377.5	1374.8
167.5	1396.8	1400.7	1403.4	1405.1	1404.6	1403.9	1401.4	1399.3
170.0	1416.2	1420.1	1423.1	1424.0	1423.6	1423.2	1421.6	1419.5
172.5	1431.1	1435.3	1437.6	1438.5	1438.4	1438.0	1436.9	1435.3
175.0	1441.4	1444.5	1447.1	1448.3	1447.6	1447.4	1446.8	1445.6
177.5	1447.2	1450.0	1452.0	1452.7	1453.1	1452.6	1452.3	1451.8
180.0	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7



INTENSITY TABLE (cd)

	360		360
0.0	0.0	102.5	55.2
2.5	0.0	105	88.8
5.0	0.0	107.5	127.2
7.5	0.0	110	170.9
10.0	0.0	112.5	220.1
12.5	0.0	115	273.9
15.0	0.0	117.5	330.0
17.5	0.0	120	388.3
20.0	0.0	122.5	450.9
22.5	0.0	125	515.6
25.0	0.0	127.5	581.4
27.5	0.0	130	646.3
30.0	0.0	132.5	708.9
32.5	0.0	135	774.9
35.0	0.0	137.5	840.7
37.5	0.0	140	905.0
40.0	0.0	142.5	965.9
42.5	0.0	145	1023.1
45.0	0.0	147.5	1079.3
47.5	0.0	150	1133.4
50.0	0.0	152.5	1184.0
52.5	0.0	155	1229.2
55.0	0.0	157.5	1270.3
57.5	0.0	160	1307.1
60.0	0.0	162.5	1340.4
62.5	0.0	165	1370.7
65.0	0.0	167.5	1396.7
67.5	0.0	170	1417.2
70.0	0.0	172.5	1431.4
72.5	0.0	175	1440.0
75.0	0.0	177.5	1445.2
77.5	0.0	180	1451.7
80.0	0.0		
82.5	0.0		
85.0	0.0		
87.5	0.0		
90.0	0.2		
92.5	0.7		
95.0	3.5		
97.5	10.5		
100.0	28.0		

END OF TEST REPORT