

Spectral distribution of the calibration light source for Atlas
 XenoCal and XenoSensive
 normalized to $E(340\text{nm}) = 1.00 \text{ W}/(\text{m}^2.\text{nm})$

λ (nm)	$E(\lambda)$	λ (nm)	$E(\lambda)$	λ (nm)	$E(\lambda)$
250	6,147E-04	456	2,684E+00	662	1,391E+00
251	4,927E-04	457	3,029E+00	663	1,613E+00
252	4,210E-04	458	3,224E+00	664	1,462E+00
253	6,159E-04	459	2,887E+00	665	1,219E+00
254	8,187E-04	460	2,599E+00	666	1,803E+00
255	7,704E-04	461	2,932E+00	667	2,797E+00
256	6,886E-04	462	5,822E+00	668	1,790E+00
257	8,070E-04	463	6,126E+00	669	1,248E+00
258	8,080E-04	464	3,022E+00	670	1,079E+00
259	8,025E-04	465	2,664E+00	671	1,100E+00
260	1,232E-03	466	3,721E+00	672	1,442E+00
261	1,304E-03	467	1,073E+01	673	2,361E+00
262	1,581E-03	468	7,232E+00	674	1,643E+00
263	1,931E-03	469	3,645E+00	675	1,052E+00
264	1,902E-03	470	3,985E+00	676	1,015E+00
265	1,827E-03	471	2,895E+00	677	1,125E+00
266	1,895E-03	472	2,736E+00	678	1,233E+00
267	1,917E-03	473	4,408E+00	679	1,137E+00
268	2,237E-03	474	4,519E+00	680	1,012E+00
269	2,293E-03	475	2,825E+00	681	1,058E+00
270	2,555E-03	476	2,686E+00	682	1,646E+00
271	2,375E-03	477	2,674E+00	683	2,462E+00
272	2,564E-03	478	2,710E+00	684	2,037E+00
273	2,713E-03	479	2,870E+00	685	2,506E+00
274	2,793E-03	480	3,774E+00	686	2,652E+00
275	2,743E-03	481	4,815E+00	687	3,589E+00
276	3,101E-03	482	3,461E+00	688	6,061E+00
277	3,383E-03	483	4,361E+00	689	4,443E+00
278	3,381E-03	484	4,069E+00	690	1,818E+00
279	3,696E-03	485	3,524E+00	691	1,516E+00
280	4,170E-03	486	2,801E+00	692	1,596E+00
281	4,273E-03	487	2,719E+00	693	1,585E+00
282	4,600E-03	488	2,758E+00	694	1,355E+00
283	5,384E-03	489	2,828E+00	695	1,062E+00
284	6,082E-03	490	2,780E+00	696	8,971E-01
285	7,034E-03	491	3,537E+00	697	1,272E+00
286	7,877E-03	492	5,296E+00	698	1,732E+00
287	1,012E-02	493	4,028E+00	699	9,955E-01
288	1,192E-02	494	2,890E+00	700	7,320E-01
289	1,492E-02	495	2,800E+00	701	7,379E-01

290	1,779E-02	496	2,788E+00	702	7,988E-01
291	2,283E-02	497	2,784E+00	703	6,945E-01
292	2,758E-02	498	2,812E+00	704	7,698E-01
293	3,294E-02	499	2,802E+00	705	8,628E-01
294	3,778E-02	500	2,822E+00	706	7,520E-01
295	4,420E-02	501	2,828E+00	707	6,843E-01
296	5,198E-02	502	2,891E+00	708	6,789E-01
297	6,245E-02	503	3,117E+00	709	7,022E-01
298	7,192E-02	504	2,902E+00	710	8,900E-01
299	8,267E-02	505	2,836E+00	711	2,770E+00
300	9,419E-02	506	2,832E+00	712	6,401E+00
301	1,065E-01	507	2,832E+00	713	2,992E+00
302	1,236E-01	508	2,834E+00	714	1,012E+00
303	1,380E-01	509	2,844E+00	715	7,290E-01
304	1,547E-01	510	2,832E+00	716	7,199E-01
305	1,718E-01	511	2,832E+00	717	7,527E-01
306	1,910E-01	512	2,872E+00	718	6,852E-01
307	2,055E-01	513	2,904E+00	719	6,340E-01
308	2,299E-01	514	2,887E+00	720	6,435E-01
309	2,514E-01	515	2,903E+00	721	6,803E-01
310	2,669E-01	516	2,945E+00	722	7,607E-01
311	2,924E-01	517	3,003E+00	723	8,438E-01
312	3,258E-01	518	2,943E+00	724	1,024E+00
313	3,482E-01	519	2,902E+00	725	1,304E+00
314	3,658E-01	520	2,852E+00	726	1,803E+00
315	3,853E-01	521	2,835E+00	727	1,879E+00
316	4,110E-01	522	2,847E+00	728	2,381E+00
317	4,386E-01	523	2,810E+00	729	2,467E+00
318	4,637E-01	524	2,870E+00	730	1,080E+00
319	4,887E-01	525	2,866E+00	731	1,213E+00
320	5,184E-01	526	2,823E+00	732	1,977E+00
321	5,401E-01	527	2,853E+00	733	1,441E+00
322	5,734E-01	528	2,849E+00	734	1,253E+00
323	6,008E-01	529	2,856E+00	735	8,335E-01
324	6,089E-01	530	2,854E+00	736	9,092E-01
325	6,215E-01	531	2,806E+00	737	7,400E-01
326	6,510E-01	532	2,764E+00	738	1,110E+00
327	6,754E-01	533	2,783E+00	739	2,884E+00
328	6,953E-01	534	2,827E+00	740	2,992E+00
329	7,134E-01	535	2,852E+00	741	1,231E+00
330	7,446E-01	536	2,963E+00	742	8,016E-01
331	7,793E-01	537	3,008E+00	743	7,596E-01
332	7,946E-01	538	2,950E+00	744	7,259E-01
333	8,053E-01	539	3,084E+00	745	7,567E-01
334	8,525E-01	540	3,183E+00	746	7,596E-01
335	8,739E-01	541	2,953E+00	747	1,129E+00
336	8,974E-01	542	2,896E+00	748	1,319E+00

337	9,244E-01	543	2,899E+00	749	9,966E-01
338	9,483E-01	544	2,923E+00	750	8,366E-01
339	9,808E-01	545	2,955E+00	751	6,209E-01
340	1,000E+00	546	2,873E+00	752	5,470E-01
341	1,027E+00	547	2,820E+00	753	5,643E-01
342	1,051E+00	548	2,827E+00	754	7,008E-01
343	1,076E+00	549	2,799E+00	755	9,242E-01
344	1,110E+00	550	2,774E+00	756	1,139E+00
345	1,126E+00	551	2,691E+00	757	1,280E+00
346	1,148E+00	552	2,681E+00	758	2,981E+00
347	1,185E+00	553	2,721E+00	759	4,743E+00
348	1,201E+00	554	2,836E+00	760	2,506E+00
349	1,203E+00	555	3,146E+00	761	1,496E+00
350	1,230E+00	556	3,355E+00	762	1,183E+00
351	1,282E+00	557	3,373E+00	763	1,508E+00
352	1,276E+00	558	3,226E+00	764	6,480E+00
353	1,277E+00	559	2,999E+00	765	4,738E+00
354	1,331E+00	560	2,897E+00	766	1,592E+00
355	1,409E+00	561	2,916E+00	767	1,235E+00
356	1,439E+00	562	2,969E+00	768	7,761E-01
357	1,385E+00	563	2,815E+00	769	5,750E-01
358	1,358E+00	564	2,666E+00	770	4,619E-01
359	1,385E+00	565	2,622E+00	771	4,215E-01
360	1,406E+00	566	2,638E+00	772	4,065E-01
361	1,462E+00	567	2,582E+00	773	4,201E-01
362	1,450E+00	568	2,686E+00	774	5,931E-01
363	1,444E+00	569	2,958E+00	775	6,029E-01
364	1,463E+00	570	3,254E+00	776	5,497E-01
365	1,455E+00	571	3,309E+00	777	5,890E-01
366	1,479E+00	572	3,314E+00	778	7,833E-01
367	1,545E+00	573	3,059E+00	779	8,352E-01
368	1,631E+00	574	2,798E+00	780	1,319E+00
369	1,793E+00	575	2,654E+00	781	1,179E+00
370	1,730E+00	576	2,509E+00	782	6,535E-01
371	1,546E+00	577	2,442E+00	783	6,504E-01
372	1,520E+00	578	2,419E+00	784	4,876E-01
373	1,533E+00	579	2,442E+00	785	4,077E-01
374	1,571E+00	580	2,561E+00	786	4,647E-01
375	1,617E+00	581	2,932E+00	787	4,677E-01
376	1,596E+00	582	3,996E+00	788	1,420E+00
377	1,593E+00	583	4,270E+00	789	2,733E+00
378	1,607E+00	584	3,110E+00	790	8,448E-01
379	1,679E+00	585	2,722E+00	791	3,969E-01
380	1,818E+00	586	2,744E+00	792	3,784E-01
381	1,808E+00	587	3,252E+00	793	4,439E-01
382	1,746E+00	588	3,535E+00	794	5,685E-01
383	1,736E+00	589	3,626E+00	795	5,118E-01

384	1,672E+00	590	3,664E+00	796	1,330E+00
385	1,663E+00	591	3,028E+00	797	2,512E+00
386	1,673E+00	592	3,306E+00	798	8,878E-01
387	1,676E+00	593	4,171E+00	799	5,406E-01
388	1,712E+00	594	3,803E+00	800	6,146E-01
389	1,746E+00	595	2,858E+00	801	8,129E-01
390	1,849E+00	596	2,576E+00	802	8,474E-01
391	1,809E+00	597	2,551E+00	803	1,042E+00
392	1,822E+00	598	2,515E+00	804	1,068E+00
393	1,862E+00	599	2,485E+00	805	1,711E+00
394	2,000E+00	600	2,534E+00	806	4,130E+00
395	2,685E+00	601	2,457E+00	807	2,785E+00
396	2,641E+00	602	2,265E+00	808	1,321E+00
397	2,891E+00	603	2,167E+00	809	1,008E+00
398	2,299E+00	604	2,153E+00	810	9,779E-01
399	2,000E+00	605	2,100E+00	811	9,105E-01
400	1,924E+00	606	2,049E+00	812	8,091E-01
401	1,916E+00	607	2,000E+00	813	6,762E-01
402	1,941E+00	608	2,009E+00	814	6,169E-01
403	1,956E+00	609	2,082E+00	815	5,565E-01
404	1,962E+00	610	2,246E+00	816	6,070E-01
405	1,975E+00	611	2,703E+00	817	1,008E+00
406	2,017E+00	612	2,760E+00	818	7,266E-01
407	2,120E+00	613	2,344E+00	819	5,728E-01
408	2,460E+00	614	2,202E+00	820	2,588E+00
409	2,219E+00	615	2,419E+00	821	4,652E+00
410	2,112E+00	616	2,970E+00	822	8,046E+00
411	2,406E+00	617	3,654E+00	823	6,402E+01
412	2,496E+00	618	5,522E+00	824	3,528E+01
413	2,220E+00	619	4,903E+00	825	2,518E+00
414	2,144E+00	620	3,768E+00	826	2,672E+00
415	2,105E+00	621	2,972E+00	827	9,954E+00
416	2,120E+00	622	2,346E+00	828	3,228E+01
417	2,145E+00	623	2,186E+00	829	1,089E+01
418	2,184E+00	624	2,030E+00	830	8,699E-01
419	2,545E+00	625	2,037E+00	831	6,421E-01
420	2,608E+00	626	2,357E+00	832	5,995E-01
421	2,312E+00	627	2,352E+00	833	7,345E-01
422	2,183E+00	628	2,257E+00	834	8,163E+00
423	2,240E+00	629	2,561E+00	835	1,703E+01
424	2,272E+00	630	2,727E+00	836	2,691E+00
425	2,244E+00	631	3,778E+00	837	6,549E-01
426	2,240E+00	632	5,084E+00	838	5,815E-01
427	2,240E+00	633	3,143E+00	839	5,178E-01
428	2,234E+00	634	2,097E+00	840	2,109E+00
429	2,252E+00	635	1,802E+00	841	7,562E+00
430	2,244E+00	636	1,745E+00	842	2,257E+00

431	2,259E+00	637	1,677E+00	843	4,752E-01
432	2,262E+00	638	1,638E+00	844	4,759E-01
433	2,276E+00	639	1,556E+00	845	2,954E-01
434	2,293E+00	640	1,498E+00	846	2,928E-01
435	2,315E+00	641	1,536E+00	847	4,758E-01
436	2,367E+00	642	1,612E+00	848	4,231E-01
437	2,439E+00	643	1,702E+00	849	3,727E-01
438	2,631E+00	644	1,607E+00	850	2,794E-01
439	2,580E+00	645	1,500E+00	851	2,625E-01
440	2,364E+00	646	1,825E+00	852	5,153E-01
441	2,406E+00	647	3,302E+00	853	7,361E-01
442	2,427E+00	648	2,779E+00	854	4,471E-01
443	2,378E+00	649	2,698E+00	855	2,182E-01
444	2,352E+00	650	2,950E+00	856	4,501E-01
445	2,303E+00	651	2,554E+00	857	1,050E+00
446	2,345E+00	652	2,159E+00	858	7,883E-01
447	2,326E+00	653	2,079E+00	859	3,264E-01
448	2,357E+00	654	2,070E+00	860	3,001E-01
449	2,610E+00	655	1,816E+00		
450	3,896E+00	656	1,633E+00		
451	3,101E+00	657	1,535E+00		
452	3,028E+00	658	1,468E+00		
453	3,131E+00	659	2,038E+00		
454	2,560E+00	660	2,408E+00		
455	2,535E+00	661	1,634E+00		

Relative Uncertainty

- 200 nm ≤ λ < 205 nm 5,0%
- 205 nm ≤ λ < 225 nm 4,0%
- 225 nm ≤ λ < 245 nm 3,0%
- 245 nm ≤ λ ≤ 295 nm 2,1%
- 295 nm < λ ≤ 340 nm 3,0%
- 340 nm < λ ≤ 345 nm 4,0%
- 345 nm ≤ λ < 350 nm 1,1%
- 350 nm ≤ λ < 375 nm 1,0%
- 375 nm ≤ λ < 395 nm 0,9%
- 395 nm ≤ λ ≤ 830 nm 0,8%
- 830 nm < λ ≤ 1000 nm 0,9%
- 1000 nm < λ ≤ 1150 nm 1,0%
- 1150 nm < λ ≤ 1300 nm 1,1%
- 1300 nm < λ ≤ 1600 nm 1,8%
- 1600 nm < λ ≤ 2000 nm 2,9%
- 2000 nm < λ ≤ 2100 nm 3,9%
- 2100 nm < λ ≤ 2250 nm 4,9%
- 2250 nm < λ ≤ 2350 nm 5,9%
- 2350 nm < λ ≤ 2500 nm 8,0%

