Zero Goo

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Test item particulars .....:	
Product evaluated.....:	☒**LED package** ☐ **LED module** ☐ **Lamp** ☐ **Luminaire**
Rated voltage (V) .....:	See rating
Rated current (mA) .....:	See rating
Rated Luminance (Mcd/m^2) .....:	Not specified
Component report data used .....:	☒ **Not applicable** ☐**LED package** ☐ **LED module** ☐ **Lamp**

Possible test case verdicts:

-test case does not apply to the test object.....:N(.A.)

-test object does meet the requirement.....:P(ass)

-test object does not meet the requirement.....:F(ail)

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.
Throughout this report a point is used as the decimal separator.
List of test equipment must be kept on file and available for review.

Remark:

Appendix A EUT photos

General product information:

"EUT" as referred in this report is a LEDpackage, and the input rating is 6Vdc, 80mA.

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

7	**MEASUREMENT INFORMATION FLOW**		**P**
7.1	**Basic flow**		**P**
	'Law of conservation of luminance' applied		P
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		P
	In case E_{thr} value for RG2 was established the peak value was derived from angular light distribution		N
7.2	**Conditions for the radiance measurement**		**P**
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N
7.3	**Special cases (I): Replacement by a lamp or LED module of another type**		**N**
	Light source is a white light source		N
	Evaluation done based on highest luminance		N
	Evaluation done based on CCT value		N
7.4	**Special cases (II): Arrays and clusters of primary light sources**		**N**
	LED package is evaluated as ..... :	☐RG0 unlimited ☐ RG1 unlimited	N
	E_{thr} of LED package applies to array		N
8	**RISK GROUP CLASSIFICATION**		**P**
	Risk group achieved:		P
	- .. Risk Group 0 unlimited		N
	- .. Risk Group 1 unlimited		N
	- E_{thr}.....1208 (lx) : Distance to reach RG1 .....136(mm) :	RG1	P

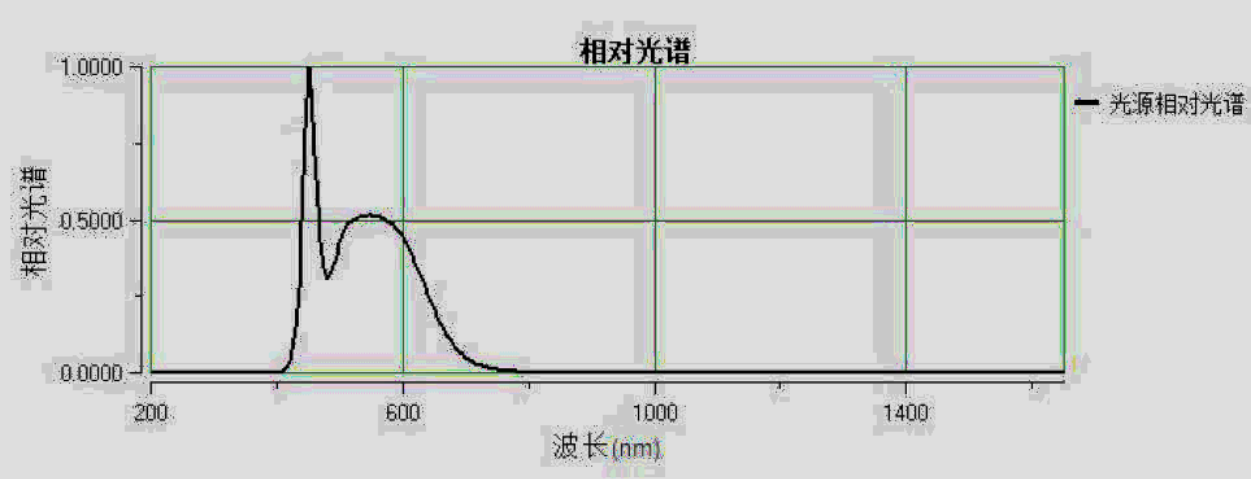
IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Spectroradiometric measurement		**P**
	Measurement performed on:	☒**LED package** ☐ **LED module** ☐ **Lamp** ☐ **Luminaire**	—
	Model number.....	HL-AS-2835D3W-2C-S1-08L-PCT-HR3(R9)-XJ	—
	Test voltage (V).....	6Vdc	—
	Test current (mA)	80mA	—
	Test frequency (Hz).....	--	—
	Ambient, t(°C)	26	—
	Measurement distance	☒ 20 cm ☐ ... cm	—
	Source size	☐ Non-small:mm ☒ Small:0.96mm	—
	Field of view	☐ 100 mrad ☐ 11 mrad ☒4.8 mrad (for small sources)	—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	6604	--
x/y colour coordinates	x/y		0.3101/0.3342	--
Blue light hazard radiance	L_B	$W/(m^2 \cdot sr^1)$	$8.164x10^3$	--
Blue light hazard irradiance	E_B	W/m^2	4.616×10^{-1}	--
Luminance	L	cd/m^2	$9.864x10^6$	--
Illuminance	E	lx	558	--

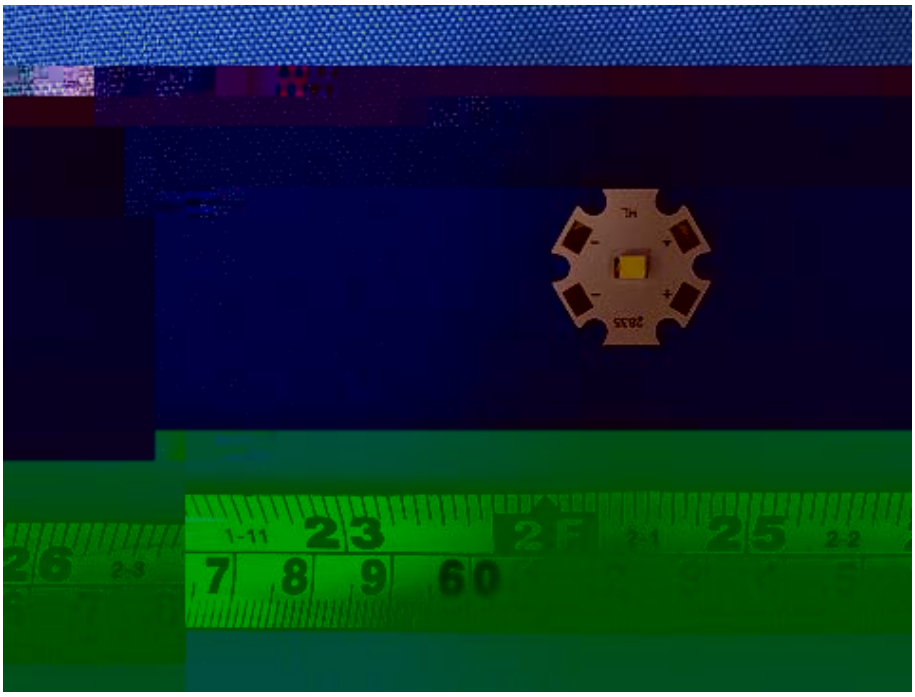
Supplementary information: NA

	TABLE: Angular light distribution	



Appendix A - EUT Photos

Theoverall viewofEUT



Directions:

1.The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.

2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

4.The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

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