



TEST REPORT	
IEC TR	
Application of IEC TR 62778 for the assessment of LED light sources and	
Report reference No	RSZ190514552
Compiled by (+ signature)	Test Engineer: T
Approved by (+ signature)	Project Engineer
Date of issue	2019-05-20
Testing laboratory	Bay Area Comp
Address	No.69, Pulongca Guangdong, Ch
Testing location	Same as above
Applicant	Hongli Zhihui Gr
Address	Room 316, Bulc District, Guangz
Standard	IEC TR 62778:2
Test sample(s) received.....	2019-05-15
Test in period.....	2019-05-16
Procedure deviation	N.A.
Non-standard test method	N.A. .
Note: The test data was only valid for the test above and for the specific product described written consent from Bay Area Compliance L	
Type of test object	LED
Trademark	N.A
Model/type reference	HL-,
Manufacturer.....	Hon Roo Dist
Rating	Inpu
Copy of marking plate: None	
Test item particulars	

FINAL

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 : <input type="checkbox"/> RG0 unlimited <input type="checkbox"/> RG1 unlimited <input type="checkbox"/> RG2 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		P
	- Risk Group 2 unlimited		N
	- E_{thr} (lx) : Distance to reach RG1(mm) :	1510 71	P

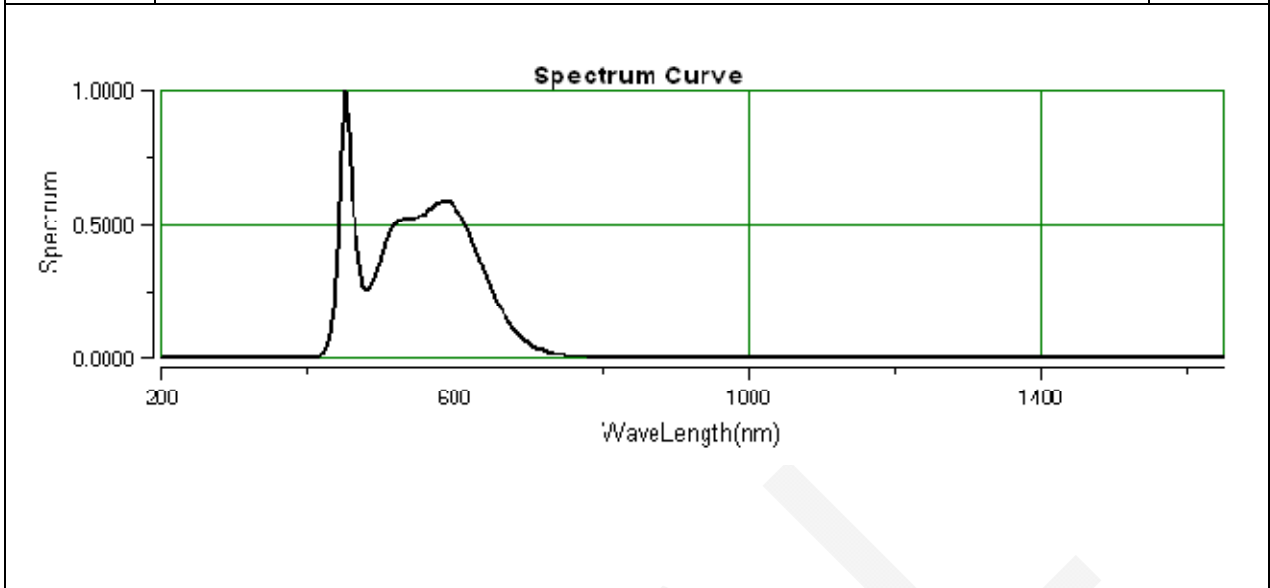
IEC TR 62778			
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TABLE: Spectroradiometric measurement			P
	Measurement performed on:	<input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp <input type="checkbox"/> Luminaire	—
	Model number	HL-A-2835DW-2-S1-08L-HR3	—
	Test voltage (V).....	2.6~3.0Vdc	—
	Test current (mA)	60m A	—
	Test frequency (Hz).....	--	—
	Ambient, t (°C).....	25.1	—
	Measurement distance	<input checked="" type="checkbox"/> 20 cm <input type="checkbox"/> ... cm	—
	Source size	<input type="checkbox"/> Non-small: mm <input checked="" type="checkbox"/> Small: 1.4 mm	—
	Field of view	<input type="checkbox"/> 100 mrad <input checked="" type="checkbox"/> 11 mrad <input type="checkbox"/> 1,7 mrad (for small sources)	—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	5152	--
x/y colour coordinates	x/y		0.3414/0.3546	--
Blue light hazard radiance	L _B	W/(m ² •sr ¹)	1218	--
Blue light hazard irradiance	E _B	W/m ²	1.243 x10 ⁻¹	--
Luminance	L	cd/m ²	1.839x10 ⁶	--
Illuminance	E	lx	188	--

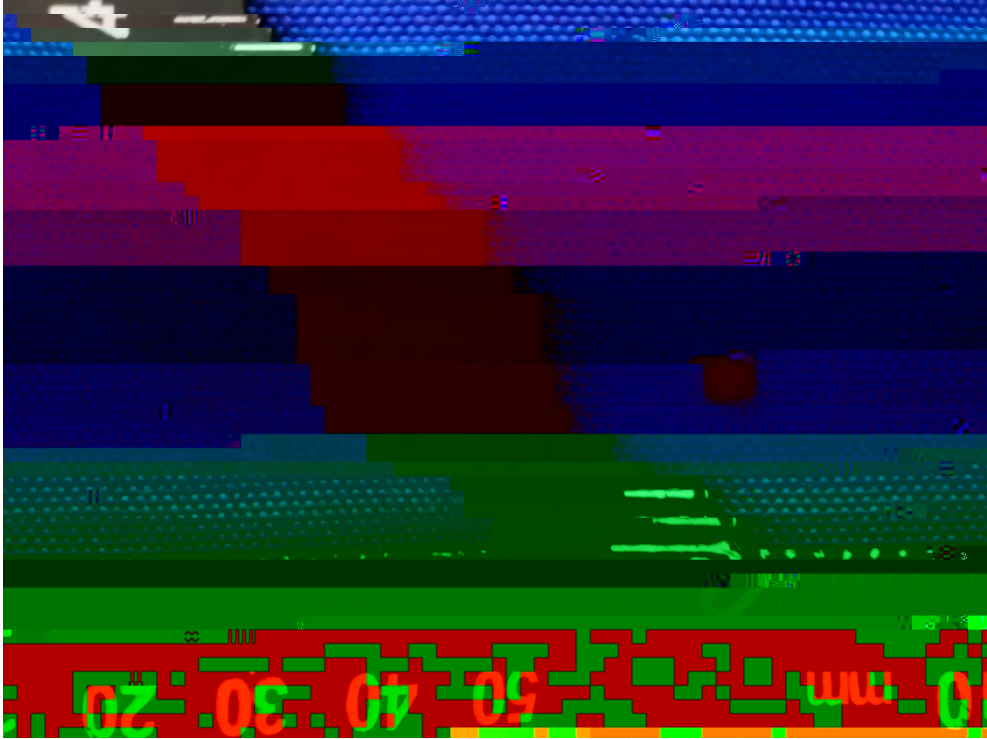
Supplementary information: NA

TABLE: Angular light distribution



Appendix A - EUT Photos

The overall view of EUT



Appendix B Test equipment list

Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due
UV-VIS-near IR Spectrophotometer	PMS-2000	T-08-SF213	EVERFINE	2018-09-03	2019-09-03
Imaging luminance meter	CX-2K	T-08-SF213-1	EVERFINE	2018-09-03	2019-09-03
Radiation illuminance meter	RD-2000	T-08-SF213-2	EVERFINE	2018-09-03	2019-09-03
Radiation illuminance meter	RD-2000	T-08-SF213-3	EVERFINE	2018-09-03	2019-09-03
High Accuracy Array	HAAS-2000	T-08-SF213-4	EVERFINE	2018-09-03	2019-09-03
80mm sample integrating sphere	SMS-300	T-08-SF213-5	EVERFINE	2018-09-03	2019-09-03
Hygrothermograph	VC230	T-08-QA015	VICTOR	2019-03-17	2020-03-17
Steel tape	5m×19mm	T-08-SF197	B&Q	2016-02-25	2021-02-23
High power LED aging dc power supply	B12005	T-08-SF205	BACL	2019-03-26	2020-03-26
AC power supply	HPA-1103	F-08-SF129	EVERFINE	2018-07-23	2019-07-23

*** End of report ***