

<b>TEST REPORT</b> <b>IEC TR 62778</b> <b>Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires</b>	
Report reference No .....	RSZ161215554-03
Compiled by (+ signature) .....	Zero Gao <i>Zero Gao</i>
Approved by (+ signature) .....	Harrison Huang <i>Harrison Huang</i>
Date of issue .....	2016-12-19
Testing laboratory .....	Bay Area Compliance Laboratories Corp. (Dongguan)
Address .....	No.69 Pulong Village Puxinhu Industry Zone Tangxia,Dongguan, China.
Testing location .....	Same as above
Applicant .....	Hongli Zhihui Group Co.,Ltd.
Address .....	No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Standard .....	IEC TR 62778:2014 (Second Edition)
Test sample(s) received.....	2016-12-19
Test in period.....	2016-12-19
Procedure deviation .....	N.A.
Non-standard test method .....	N.A.
<b>Note:</b> The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the specific product described herein. It must not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).	
Type of test object .....	LED
Trademark .....	N.A.
Model/type reference .....	HL-A-2835HW-S1-08-HR3
Manufacturer.....	Hongli Zhihui Group Co.,Ltd. No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Rating .....	Input: 2.8-3.4Vdc, 60mA
Copy of marking plate:	None

FEM

FENVA

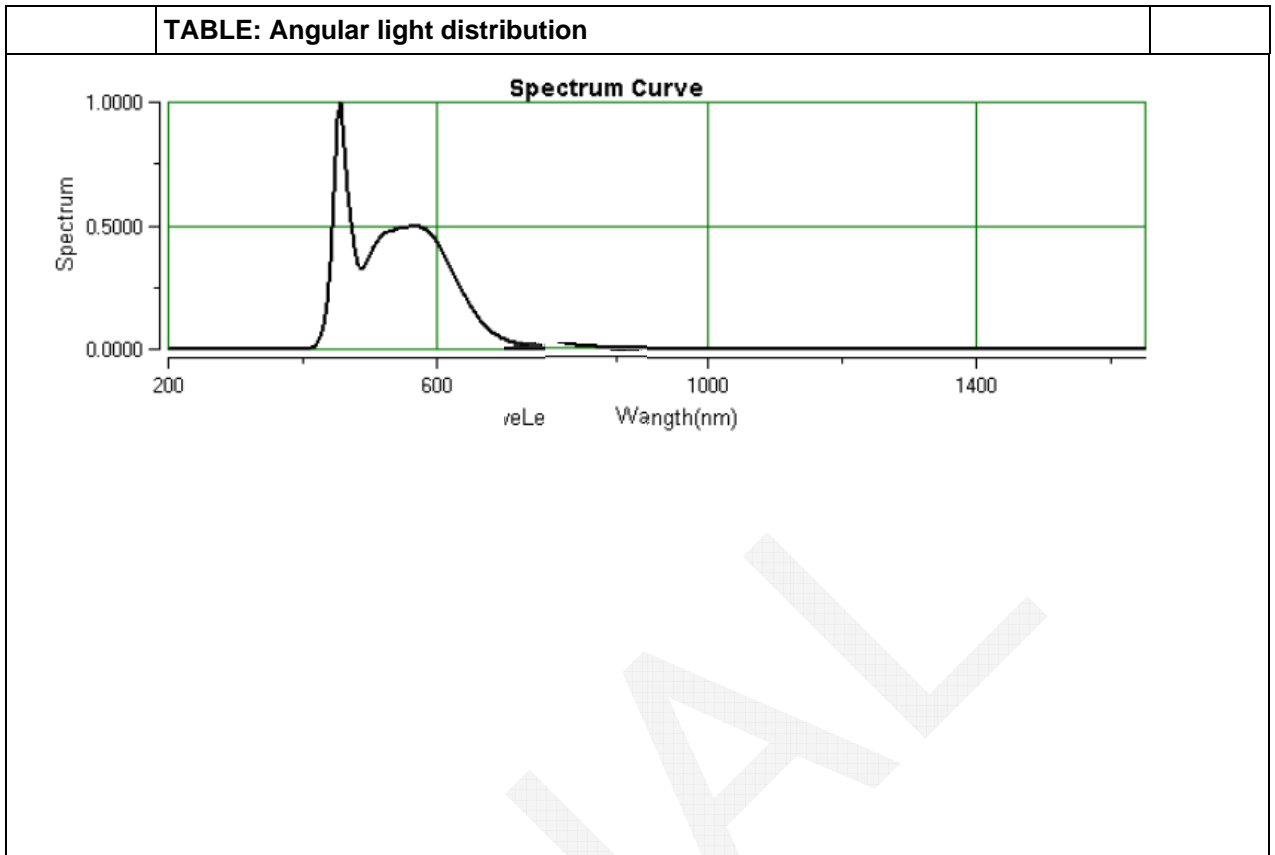
IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

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-2835HW-S1-08-HR3	
Test voltage (V) .....	2.8-3.4Vdc	
Test current (mA).....	60mA	
Test frequency (Hz).....	-	
Ambient, t ( C).....	25.3°C	
Measurement distance.....	<input checked="" type="checkbox"/> 20 cm <input type="checkbox"/> ... cm	
Source size .....	<input type="checkbox"/> Non-small <input checked="" type="checkbox"/> Small : 0.46mm	
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	6710	
x/y colour coordinates	x/y		0.3082/0.03338	
Blue light hazard radiance	L <sub>B</sub>	W/(m <sup>2</sup> •sr <sup>1</sup> )	1687	
Blue light hazard irradiance	E <sub>B</sub>	W/m <sup>2</sup>	1.408e-001	
Luminance	L	cd/m <sup>2</sup>	2.055e+006	
Illuminance	E	lx	171	

Supplementary information:

TABLE: Angular light distribution



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