

Test Report

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Product name : Sign tube

Product model : T8-46-117P2S-865-DE-BYP

Manufacturer : RAB

Applicant : RAB

Declare

1. The results of the testing relate only to the items that tested.
2. The validity of this test report is 12 months.
3. Test report is invalid without the “Special Seal of Test Report” or that of test unit on it.
4. Test report is invalid without the signature of the chief tester, examiner and approver.
5. Test report is invalid if randomly altered or duplicated .The consent and seal of this Center is required for any duplication.
6. For entrusted tests, this Center is only responsible for the delivered samples.
7. For any claim of the report, just refer to the testing unit in 15 days, in case it is not in the above limited time, the claim shall be dismissed.

Name	Sign tube	Brand	RAB
Application number	---	Model	T8-46-117P2S-865-DE-BYP
Applicant	RAB	Manufacturer	RAB
Address	/	Address	/
Sample size	1pcs	Sampler	---
Sample number	---	Sampling location	---
Receiving method	---	Sampling method	---
Test categories	---	Sampling date	---
Date of receipt	2020.07.23	Completion date	2020.09.25
Test standard	IES LM79-08	Test item	Goniometer and Integrating sphere
试验日期 Test time	2020.07.23-2020.09.25		
product description			
Name	Sign tube	Model	T8-46-117P2S-865-DE-BYP
Rated parameters	120V-277V	Product status	Intact
Factory	RAB	Address	/
Conclusion	<p>According to the request of the client;</p> <p>Integrating sphere detection is based on the measurement method of IES LM79-08 lighting source color.</p> <p>Test conclusion: N/A.</p>		

Approval by: Duke.Diao

Tested by: Ye Shi Jie

Test Data

Integrating sphere test			
Test ambient temperature was <u>25.9</u> °C			
Base orientation was <u>Horizontal</u>			
The stabilization time of the sample was <u>60</u> minutes			
No.	Item	Data	Remark
1	Test voltage (V)	120	
2	Test current(A)	0.3879	
3	Test frequency (Hz)	59.98	
4	Power factor	0.9897	
5	Power(W)	46.07	
6	Total luminous flux(lm)	5867.1	
7	Light efficiency (LM / W)	127.36	
8	X	0.3061	
9	Y	0.3215	
10	CCT(K)	6959	
11	Ra	87.9	
12	R9	33.2	
13	Rf	84	
14	Rg	95	
Remarks	1. See Annex 1 for detailed data 2. The sample is cut in half for testing		

Annex 1

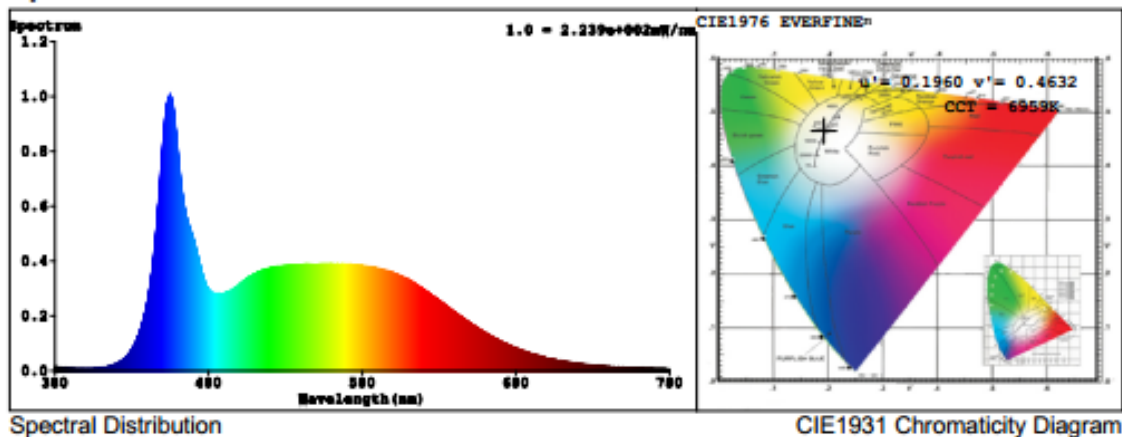
Spectrum Test Report

Sample	:	Date	:
Specification	:	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.9Deg	RH	: 59%
WL Range	: 380nm-780nm	IP	: 48369 (74%)
Test Mode	: Fast Test	T	: 33 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3061$ $y = 0.3215$ / $u' = 0.1960$ $v' = 0.4632$ ($duv=2.73e-03$)

CCT= 6959K Prcp WL: $L_d=485.9nm$ Purity=10.1%

Peak WL: $L_p=455nm$ FWHM: $\approx 22.8nm$ Ratio: R=13.9% G=79.2% B=6.9%

Render Index: $R_a = 87.9$

$R_1 = 87.9$ $R_2 = 95.5$ $R_3 = 95.2$ $R_4 = 84.0$ $R_5 = 86.6$ $R_6 = 89.7$ $R_7 = 88.2$

$R_8 = 75.7$ $R_9 = 33.2$ $R_{10} = 87.3$ $R_{11} = 84.8$ $R_{12} = 60.8$ $R_{13} = 91.4$ $R_{14} = 98.3$ $R_{15} = 84.3$

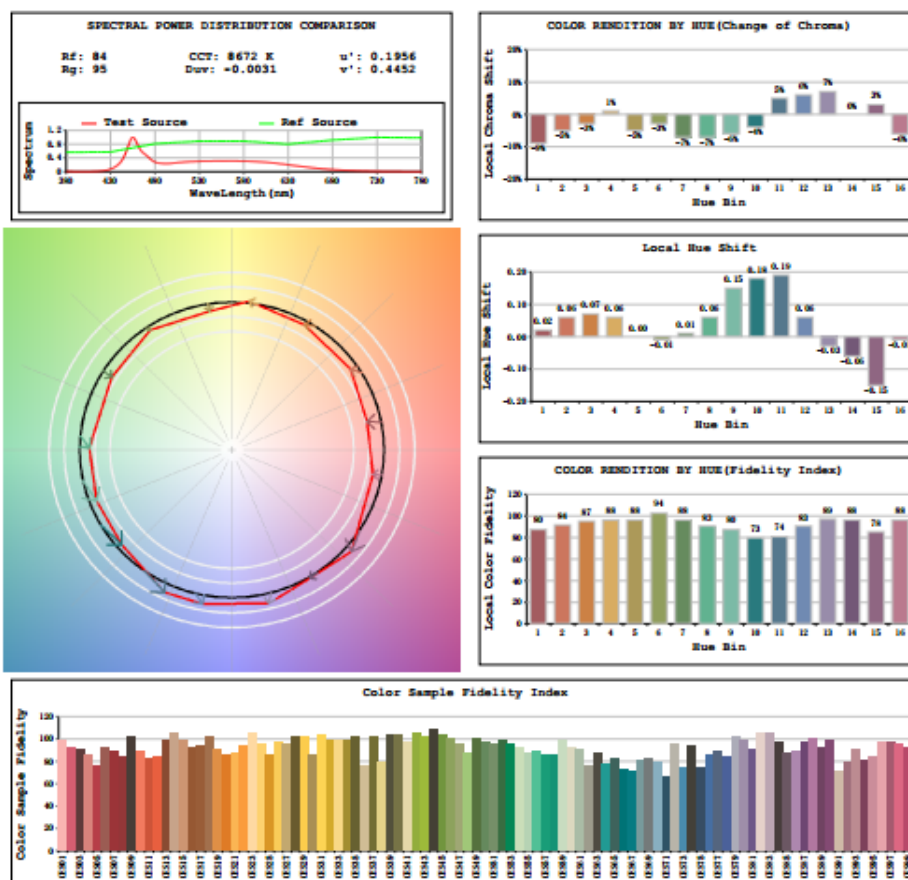
Photometric & Radiometric Parameters

Flux = 5867.1 lm Eff. : 127.36 lm/W $F_e = 19.791 W$

Electrical parameters

V = 120.0 V I = 0.3879 A P = 46.07 W PF = 0.9897 F=59.98 Hz

TM30



Test equipment list

system	Name	Model	Manufacturer	Next Cal date
Gonio meter system	Goniometer	GMS-1800B	Sensingm.	2021.03.19
	Standard source	100V/300W	/	2021.04.22
	AC power	AFC-500W	APC	2021.07.02
	Power meter	UI2008	Sensingm.	2021.03.19
Integrating sphere system	Integrating sphere	SIS-5_2.0M	Everfine	2021.03.18
	Power meter	PF9811	Everfine	2021.03.19
	Standard source	D204	Everfine	2021.03.25
	spectrometer	HASS-2000	Everfine	2021.03.18
	AC power	DPS1010	Everfine	2020.10.13

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