

# Test Report

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Product name : Sign tube

Product model : T8-17.5-42P2S-865-DE-BYP

Manufacturer : RAB

Applicant : RAB

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# 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	Aze-202007017	Model	T8-17.5-42P2S-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
Test time	2020.07.23-2020.09.25		
Product description			
Name	Sign tube	Model	T8-17.5-42P2S-865-DE-BYP
Rated parameters	120V-277V	Product status	Intact
Factory	— —	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)	120.01	
2	Test current(A)	0.1443	
3	Test frequency (Hz)	59.98	
4	Power factor	0.9861	
5	Power(W)	17.08	
6	Total luminous flux(lm)	2181	
7	Light efficiency (LM / W)	127.73	
8	X	0.3061	
9	Y	0.3216	
10	CCT(K)	6925	
11	Ra	87.8	
12	R9	33	
13	Rf	85	
14	Rg	94	
Remarks	See Annex 1 for detailed data		

## Goniophotometer test

Test ambient temperature was 25.0 °C

The stabilization time of the sample was 60 minutes

Luminous data was taken at 1° vertical intervals and 15.0 ° horizontal intervals

No.	Item	Data	Remark
1	Test voltage (V)	120	
2	Test current(A)	0.147	
3	Test frequency (Hz)	60	
4	Power factor	0.985	
5	Power(W)	17.30	
6	Total luminous flux(lm)	2157.80	
7	Light efficiency (LM / W)	124.73	
8	Lamp efficiency(%)	100.0%	
9	Maximum light intensity (cd)	145.352	
10	Maximum beam angle (°)	39.8	
11	Lamp Classification (CIE)	Semidirect lighting	
Remarks	See Annex 2 for detailed data		

## Annex 1

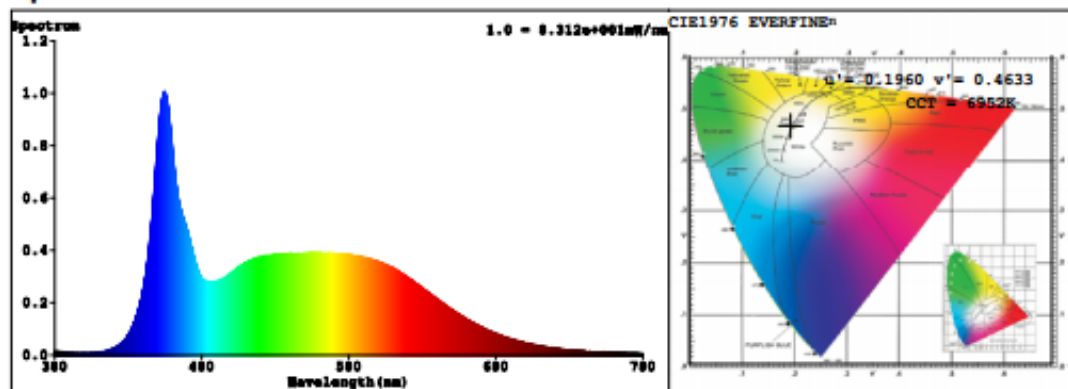
### Spectrum Test Report

Sample	:	Date	: 2020-09-25 10:34:37
Specification	: RAB 3.5FT	Sam. Status	:
Sample No.	: RAB 3.5FT	Standard	:
Manufacturer	: RAB	Instrument	: HaasSuite(EVERFINE)
Assessor	: Pang Jun You		
Remark	:	Test by	:
Device SN	: HAAS-2000		

#### Test Condition

Temperature	: 25.9Deg	RH	: 59%
WL Range	: 380nm-780nm	IP	: 49689 (76%)
Test Mode	: Fast Test	T	: 92 ms
Sensitivity	: High		

#### Spectrum



#### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3061$   $y = 0.3216$  /  $u' = 0.1960$   $v' = 0.4633$  ( $duv=2.75e-03$ )

CCT= 6952K Prcp WL:  $L_d=486.0nm$  Purity=10.1%

Peak WL:  $L_p=455nm$  FWHM:  $\approx 22.7nm$  Ratio: R=13.8% G=79.2% B=6.9%

Render Index:  $R_a = 87.8$  TM30:  $R_f=85$   $R_g=94$

EEL: 0.10665 A++ Highest

R1 =88	R2 =95	R3 =95	R4 =84	R5 =87	R6 =90	R7 =88	
R8 =76	R9 =33	R10=87	R11=85	R12=61	R13=91	R14=98	R15=84

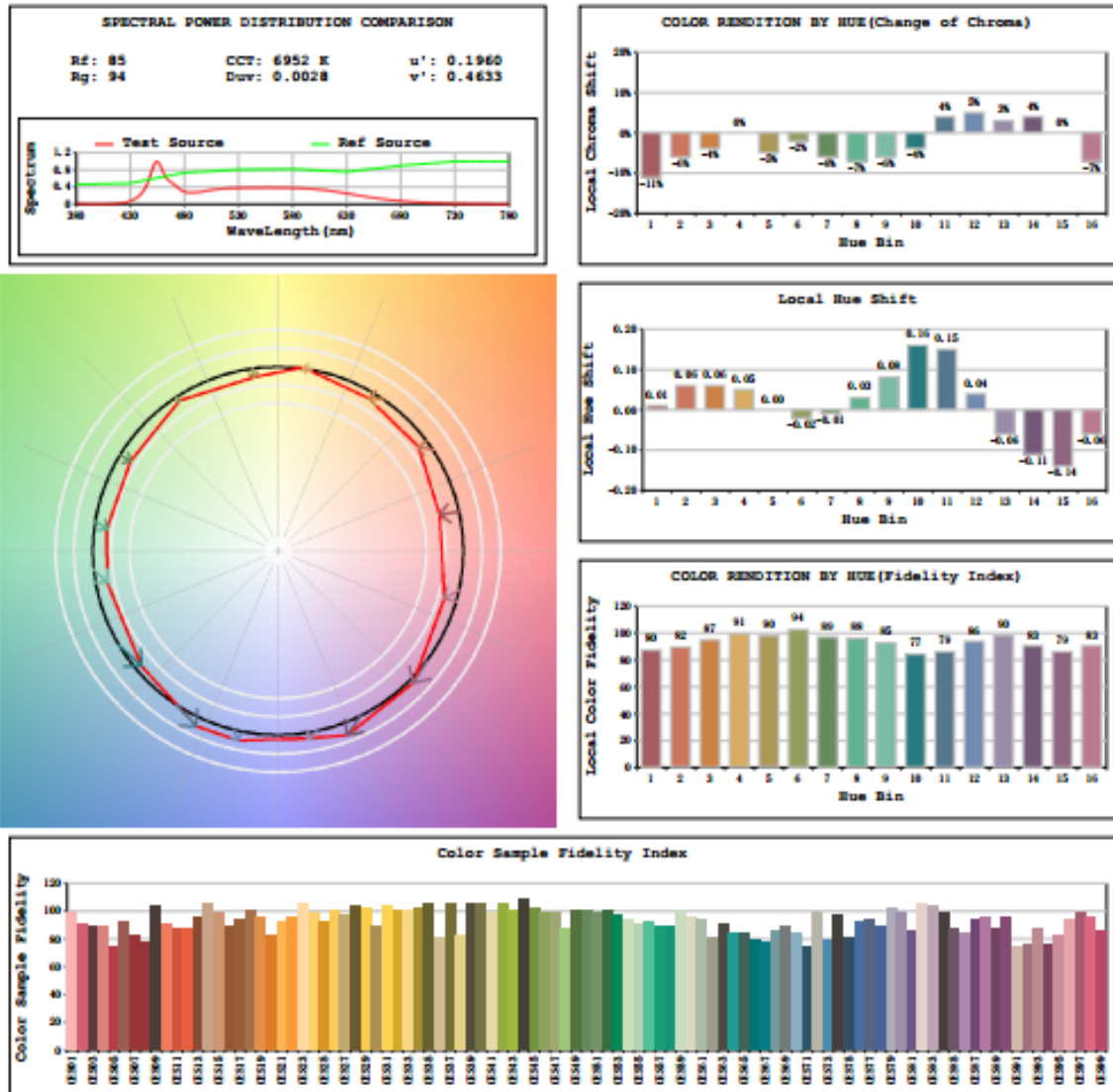
#### Photometric & Radiometric Parameters

Flux = 2181.0 lm Eff. : 127.73 lm/W  $\Phi_e = 7.3469 W$

#### Electrical parameters

V = 120.01 V I = 0.1443 A P = 17.08 W PF = 0.9861 F=59.98 Hz

## TM30

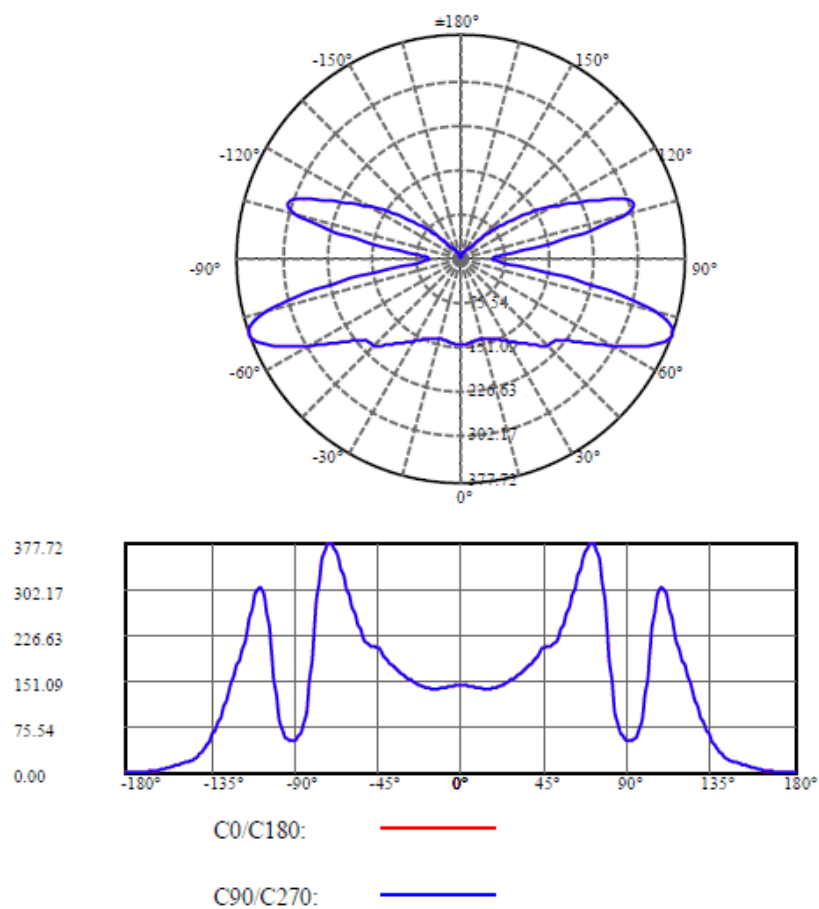


## Annex2

T8-17.5-42P2S-865-DE-BYP

Light Distribution Curve [Unit: cd]

Page: 2 Total:19

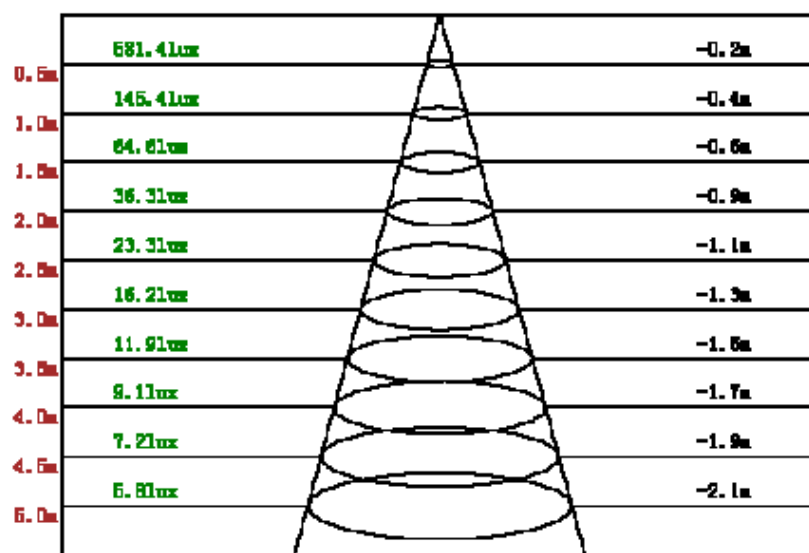
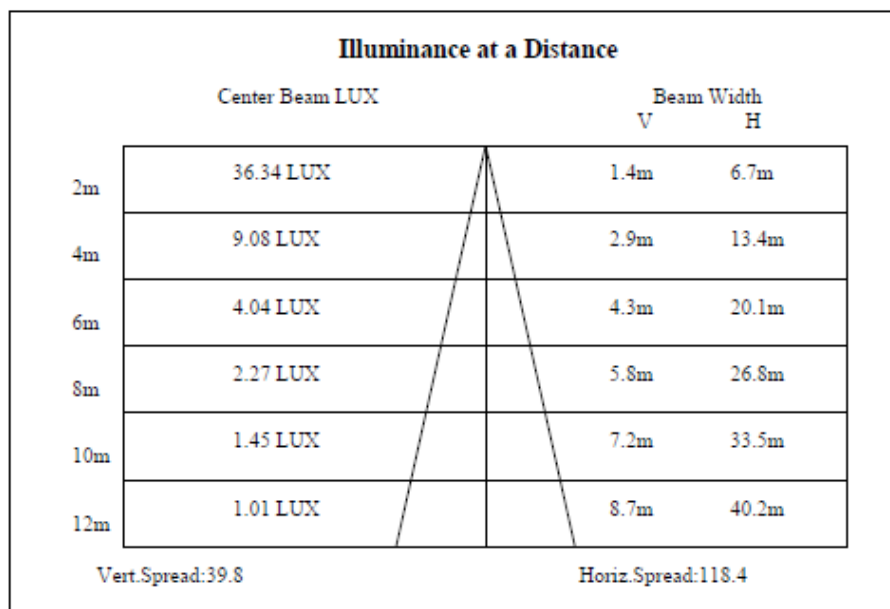


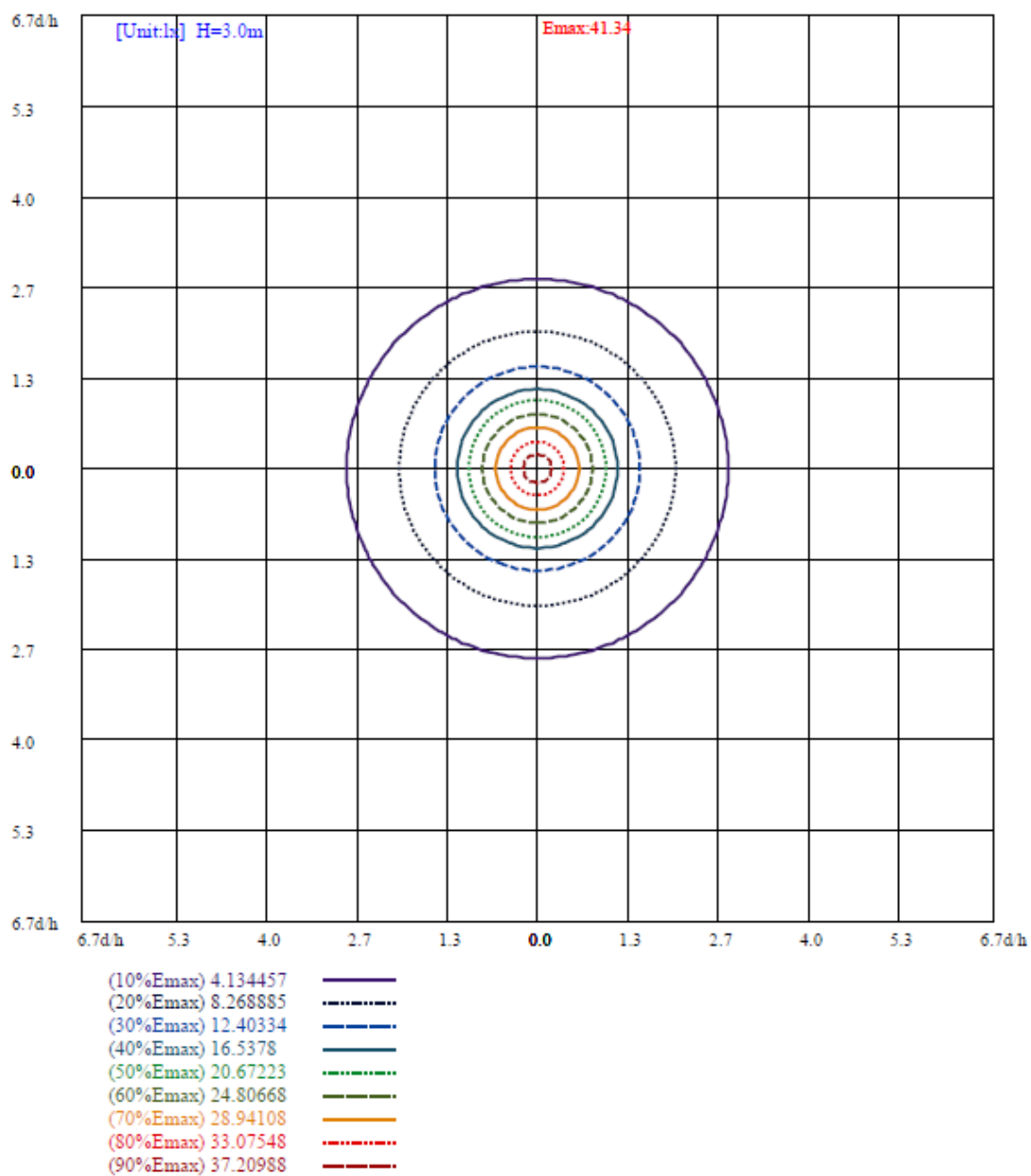
Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567







Equipment: GMS-1800B  
 Temperature(°C): 25

Date:  
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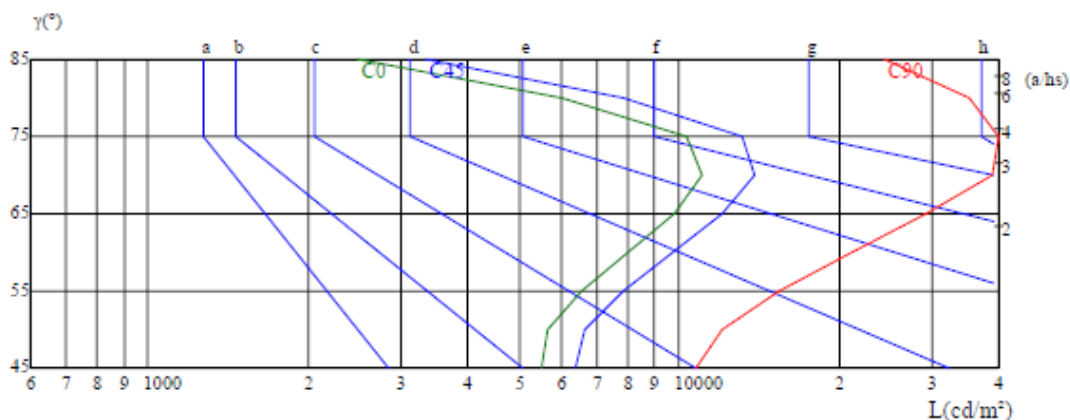
Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	5492	5654	6565	8038	9774	11048	10308	5998	2488
C45	6373	6653	7838	9746	12044	13854	13181	7839	3336
C90	10733	12055	15424	21105	29265	38897	44857	35319	24397

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Equipment: GMS-1800B  
Temperature( $^{\circ}\text{C}$ ): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.3	17.5	17.1	18.3	19.2	15.4	16.6	16.2	17.4	18.3
	3H	20.9	21.9	21.7	22.7	23.8	19.4	20.5	20.2	21.3	22.3
	4H	22.6	23.4	23.4	24.3	25.3	20.7	21.6	21.6	22.5	23.5
	6H	23.8	24.6	24.6	25.5	26.5	21.6	22.5	22.4	23.3	24.4
	8H	24.0	24.9	24.8	25.7	26.8	21.8	22.6	22.6	23.5	24.5
	12H	23.9	24.5	24.7	25.4	26.5	21.5	22.2	22.4	23.1	24.2
4H	2H	17.3	18.2	18.1	19.0	20.1	16.7	17.6	17.6	18.5	19.5
	3H	21.7	22.4	22.6	23.3	24.4	20.5	21.2	21.4	22.1	23.2
	4H	23.7	24.4	24.6	25.3	26.4	22.2	22.9	23.1	23.8	24.9
	6H	25.0	25.6	25.8	26.5	27.6	23.1	23.8	24.0	24.6	25.7
	8H	24.9	25.3	25.9	26.3	27.4	23.0	23.4	23.9	24.3	25.5
	12H	25.1	25.5	26.0	26.4	27.6	23.0	23.4	24.0	24.4	25.5
8H	4H	24.0	24.3	24.9	25.3	26.4	22.7	23.1	23.6	24.0	25.2
	6H	25.2	25.6	26.1	26.5	27.7	23.6	24.0	24.5	24.9	26.1
	8H	25.5	25.9	26.5	26.9	28.0	23.8	24.2	24.7	25.1	26.3
	12H	25.8	26.1	26.7	27.1	28.3	23.9	24.3	24.9	25.3	26.4
12H	4H	24.0	24.4	24.9	25.3	26.5	22.8	23.2	23.7	24.1	25.3
	6H	25.3	25.7	26.2	26.6	27.8	23.7	24.1	24.6	25.1	26.2
	8H	25.6	26.0	26.5	26.9	28.1	24.0	24.3	24.9	25.3	26.4
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.2					0.2/-1.0				
S = 1.5H		0.5/-0.6					0.5/-0.5				
S = 2.0H		0.6/-0.4					0.7/-0.4				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		9.5					8.0				
According 1000lm											

T8-17.5-42P2S-865-DE-BYP

Utilization factor table for indoor luminaire

Page: 8 Total:19

RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.11	1.11	1.11	1.04	1.04	1.04	0.91	0.91	0.91	0.80	0.80	0.80	0.69	0.69	0.69	0.64
1	0.90	0.85	0.80	0.85	0.80	0.75	0.74	0.70	0.66	0.64	0.61	0.58	0.54	0.52	0.50	0.45
2	0.75	0.66	0.59	0.70	0.62	0.56	0.60	0.54	0.49	0.52	0.47	0.43	0.43	0.40	0.36	0.32
3	0.63	0.54	0.46	0.59	0.50	0.43	0.51	0.44	0.38	0.43	0.37	0.33	0.36	0.31	0.28	0.24
4	0.54	0.44	0.37	0.51	0.41	0.34	0.43	0.36	0.30	0.37	0.31	0.26	0.31	0.26	0.22	0.18
5	0.47	0.37	0.30	0.44	0.35	0.28	0.38	0.30	0.25	0.32	0.26	0.21	0.27	0.22	0.18	0.14
6	0.42	0.32	0.25	0.39	0.30	0.24	0.33	0.26	0.20	0.28	0.22	0.17	0.24	0.19	0.15	0.12
7	0.37	0.28	0.21	0.35	0.26	0.20	0.30	0.23	0.17	0.25	0.19	0.15	0.21	0.16	0.12	0.10
8	0.34	0.25	0.18	0.31	0.23	0.17	0.27	0.20	0.15	0.23	0.17	0.13	0.19	0.14	0.11	0.08
9	0.30	0.22	0.16	0.28	0.21	0.15	0.25	0.18	0.13	0.21	0.15	0.11	0.18	0.13	0.09	0.07
10	0.28	0.20	0.14	0.26	0.18	0.13	0.23	0.16	0.12	0.19	0.14	0.10	0.16	0.12	0.08	0.06

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

## T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)									Page: 9 Total:19
C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
15.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
30.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
45.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
60.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
75.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
90.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
105.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
120.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
135.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
150.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
165.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
180.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
195.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
210.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
225.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
240.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
255.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
270.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
285.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
300.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
315.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
330.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
345.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
360.0	145.35	145.39	145.16	144.59	144.06	143.67	142.91	142.12	141.60
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
15.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
30.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
45.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
60.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
75.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
90.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
105.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
120.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
135.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
150.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
165.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
180.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
195.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
210.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
225.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
240.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
255.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
270.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
285.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
300.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
315.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
330.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
345.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97
360.0	140.94	140.20	139.89	139.58	139.19	139.28	139.33	139.51	139.97

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

## T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)									
Page: 10 Total:19									
C/r(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
15.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
30.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
45.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
60.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
75.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
90.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
105.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
120.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
135.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
150.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
165.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
180.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
195.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
210.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
225.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
240.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
255.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
270.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
285.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
300.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
315.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
330.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
345.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
360.0	140.79	141.45	142.32	143.60	144.98	146.39	148.15	149.83	151.59
C/r(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
15.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
30.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
45.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
60.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
75.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
90.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
105.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
120.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
135.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
150.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
165.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
180.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
195.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
210.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
225.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
240.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
255.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
270.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
285.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
300.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
315.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
330.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
345.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56
360.0	153.73	155.97	157.92	160.21	162.70	165.05	167.32	169.99	172.56

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567



## T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 11 Total:19	
C/h(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
15.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
30.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
45.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
60.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
75.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
90.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
105.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
120.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
135.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
150.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
165.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
180.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
195.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
210.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
225.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
240.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
255.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
270.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
285.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
300.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
315.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
330.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
345.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
360.0	175.27	178.19	181.29	184.57	188.28	192.67	197.03	201.50	205.28		
C/h(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0		
0.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
15.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
30.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
45.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
60.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
75.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
90.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
105.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
120.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
135.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
150.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
165.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
180.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
195.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
210.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
225.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
240.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
255.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
270.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
285.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
300.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
315.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
330.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
345.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		
360.0	207.19	207.94	208.69	209.43	210.25	212.47	216.42	221.42	228.24		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567



T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 12 Total:19
C/H(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	
0.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
15.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
30.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
45.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
60.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
75.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
90.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
105.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
120.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
135.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
150.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
165.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
180.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
195.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
210.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
225.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
240.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
255.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
270.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
285.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
300.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
315.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
330.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
345.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
360.0	235.85	243.88	252.39	261.78	271.86	281.76	292.91	303.59	314.45	
C/H(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	
0.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
15.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
30.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
45.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
60.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
75.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
90.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
105.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
120.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
135.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
150.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
165.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
180.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
195.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
210.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
225.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
240.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
255.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
270.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
285.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
300.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
315.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
330.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
345.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	
360.0	325.47	336.48	346.49	355.59	364.32	370.97	375.42	377.72	377.58	

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 13 Total:19	
C/h(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
15.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
30.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
45.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
60.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
75.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
90.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
105.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
120.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
135.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
150.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
165.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
180.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
195.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
210.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
225.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
240.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
255.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
270.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
285.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
300.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
315.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
330.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
345.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
360.0	374.01	366.63	354.89	336.77	314.47	286.97	255.21	221.27	185.34		
C/h(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0		
0.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
15.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
30.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
45.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
60.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
75.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
90.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
105.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
120.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
135.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
150.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
165.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
180.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
195.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
210.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
225.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
240.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
255.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
270.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
285.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
300.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
315.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
330.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
345.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		
360.0	152.09	122.19	99.67	82.69	71.91	65.02	59.98	56.47	54.15		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 14 Total:19
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	
0.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
15.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
30.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
45.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
60.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
75.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
90.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
105.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
120.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
135.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
150.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
165.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
180.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
195.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
210.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
225.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
240.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
255.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
270.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
285.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
300.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
315.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
330.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
345.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
360.0	53.03	53.13	54.32	56.46	59.63	64.94	73.71	87.24	105.64	
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	
0.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
15.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
30.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
45.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
60.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
75.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
90.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
105.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
120.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
135.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
150.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
165.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
180.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
195.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
210.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
225.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
240.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
255.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
270.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
285.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
300.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
315.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
330.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
345.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	
360.0	128.82	155.63	184.91	213.89	241.00	264.34	283.03	296.70	304.50	

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567



# T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 15 Total:19	
C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0		
0.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
15.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
30.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
45.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
60.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
75.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
90.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
105.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
120.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
135.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
150.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
165.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
180.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
195.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
210.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
225.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
240.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
255.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
270.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
285.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
300.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
315.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
330.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
345.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
360.0	306.13	302.56	294.70	283.16	269.25	254.79	240.48	226.92	215.43		
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0		
0.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
15.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
30.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
45.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
60.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
75.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
90.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
105.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
120.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
135.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
150.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
165.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
180.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
195.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
210.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
225.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
240.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
255.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
270.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
285.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
300.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
315.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
330.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
345.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		
360.0	204.75	194.69	186.04	177.25	168.21	158.66	148.83	138.60	128.75		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

## T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 16 Total:19	
C/h(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0		
0.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
15.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
30.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
45.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
60.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
75.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
90.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
105.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
120.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
135.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
150.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
165.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
180.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
195.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
210.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
225.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
240.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
255.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
270.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
285.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
300.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
315.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
330.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
345.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
360.0	119.09	109.58	100.63	92.46	84.83	77.83	70.95	64.52	58.28		
C/h(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0		
0.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
15.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
30.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
45.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
60.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
75.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
90.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
105.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
120.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
135.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
150.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
165.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
180.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
195.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
210.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
225.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
240.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
255.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
270.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
285.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
300.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
315.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
330.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
345.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		
360.0	52.38	47.16	42.96	39.22	35.66	32.30	28.99	25.64	23.19		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 17 Total:19	
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0		
0.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
15.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
30.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
45.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
60.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
75.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
90.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
105.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
120.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
135.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
150.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
165.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
180.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
195.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
210.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
225.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
240.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
255.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
270.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
285.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
300.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
315.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
330.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
345.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
360.0	21.33	20.15	19.39	18.65	17.85	16.81	15.71	14.79	13.93		
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0		
0.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
15.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
30.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
45.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
60.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
75.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
90.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
105.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
120.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
135.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
150.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
165.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
180.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
195.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
210.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
225.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
240.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
255.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
270.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
285.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
300.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
315.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
330.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
345.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		
360.0	13.18	12.37	11.38	10.28	9.19	8.36	7.53	6.76	6.15		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

## T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)										Page: 18 Total:19	
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0		
0.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
15.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
30.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
45.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
60.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
75.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
90.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
105.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
120.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
135.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
150.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
165.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
180.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
195.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
210.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
225.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
240.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
255.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
270.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
285.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
300.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
315.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
330.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
345.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
360.0	5.65	5.20	4.74	4.33	3.94	3.59	3.25	3.05	2.81		
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0		
0.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
15.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
30.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
45.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
60.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
75.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
90.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
105.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
120.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
135.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
150.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
165.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
180.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
195.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
210.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
225.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
240.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
255.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
270.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
285.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
300.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
315.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
330.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
345.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		
360.0	2.66	2.54	2.47	2.33	2.22	2.19	2.22	2.22	2.27		

Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567

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T8-17.5-42P2S-865-DE-BYP

Intensity data(cd)

Page: 19 Total:19

C/h(°)	180.0
0.0	2.23
15.0	2.23
30.0	2.23
45.0	2.23
60.0	2.23
75.0	2.23
90.0	2.23
105.0	2.23
120.0	2.23
135.0	2.23
150.0	2.23
165.0	2.23
180.0	2.23
195.0	2.23
210.0	2.23
225.0	2.23
240.0	2.23
255.0	2.23
270.0	2.23
285.0	2.23
300.0	2.23
315.0	2.23
330.0	2.23
345.0	2.23
360.0	2.23

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Equipment: GMS-1800B  
Temperature(°C): 25

Date:  
Humidity(%): 72%

Operator: Ye Shi Jie  
Distance(m): 7.567



## 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
Integra ting 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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