

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

IP65 LED Panel

Model No.: IL-P595K4CW

Prepared for : Interlight Enjoy Innovation B.V.
Smalriemseweg 6,4112 NC Beusichem,The Netherlands


Prepared By : Shenzhen TCT Testing Technology Co., Ltd.
1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong,
Baoan District, Shenzhen, Guangdong, China

Date of Test: Jan. 09, to Jan. 17, 2019

Date of Report: Jan. 17, 2019

Report Number: TCT190109S011

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen TCT Testing Technology Co., Ltd. This document may be altered or revised by Shenzhen TCT Testing Technology Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

<p>Test Report IESNA LM 79: 2008 ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS</p>	
Report reference No	TCT190109S011
Tested by (+ signature)	Moon Ding
Approved by (+ signature)	Thomas
Date of issue	Jan. 17, 2019
Testing Laboratory Name	Shenzhen TCT Testing Technology Co., Ltd.
Address	1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China
Testing location	CBTL <input type="checkbox"/> CCATL <input type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>
Address	Same as above.
Applicant's Name.....	Interlight Enjoy Innovation B.V.
Address	Smalriemseweg 6,4112 NC Beusichem, The Netherlands
Manufacturer	Guangdong Mage Intelligent Lighting Co. Ltd.
Address	Block 2, No.1 Bei Shui Industrial Area 2, Baian Road, Bei Shui Village Committee, Xingtan, Shunde, Guangdong Foshan, China
Test item description	IP65 LED Panel
Trademark	
Model and/or type reference	IL-P595K4CW

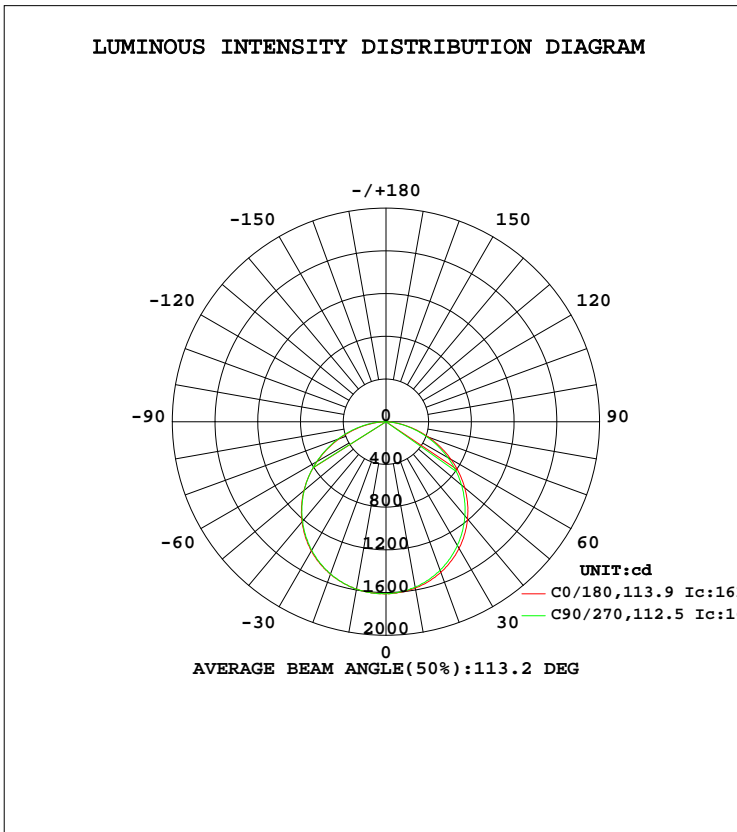


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning of SSL Product		N/A
	No seasoning of SSL product		P
5.0	Stabilisation of SSL Product		P
	SSL product has sufficiently satbilised before measurment		P
6.0	Operation Orientation		P
	SSL product shall be stabilized and measured in intended operating orientation	As normal working	P
7.0	Electrical Settings		P
	SSL product shall be operated at rated voltage		P
	SSL product with dimming capability are tested at maximum input power condition		N/A
	SSL product with different modes are measured in all relvant modes		N/A
8.0	Electrical Instrumenttions		P
8.1	Circuits		P
8.2	Uncertainties		N/A
9.0	Testmethodes for Luminous Flux measurment		P
9.1	Integrating sphere with a spectroradiometer (Sphere-spectroradiometer system)		N/A
9.2	Integrating sphere with a photometer head (Sphere-photometer system)		N/A
9.3	Goniophotometer		P
10.0	Luminous Intensity Distribution		P
	Reporting acc. to IEC LM-63		P
11.0	Luminous Efficay		P
	Calculation		P
12.0	Test Methodes for Color Characteristics of SSL Products		P
	Measurments		P
13.0	Uncertainty statement		N/A

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.75 lm/W			
MODEL	IL-P595K4CW	I _{max} (cd)	1614	S/MH(C0/180)	1.29
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	4651.5	η UP, DN(C0-180)	0.0,48.4
NOMINAL FLUX(lm)	4651.46	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,51.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:60.5%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1582	1574	1573	1581	1591	1595	1592	1588	0- 10	152.5	152.5	3.28,3.28
20	1501	1485	1481	1499	1520	1524	1518	1511	10- 20	437.9	590.5	12.7,12.7
30	1370	1345	1338	1364	1398	1402	1391	1382	20- 30	666.3	1257	27,27
40	1188	1158	1149	1182	1224	1230	1216	1207	30- 40	806.8	2064	44.4,44.4
50	962.6	931.2	923.6	957.1	1004	1012	1000	986.9	40- 50	839.0	2903	62.4,62.4
60	702.2	672.0	668.6	700.1	745.6	759.3	750.0	732.8	50- 60	757.3	3660	78.7,78.7
70	424.3	399.2	400.3	426.5	466.5	484.8	480.9	460.0	60- 70	574.0	4234	91,91
80	161.5	146.4	151.0	170.3	200.2	219.6	220.0	199.2	70- 80	327.4	4561	98.1,98.1
90	0.1754	0.1854	0.1845	0.2825	1.856	9.019	10.41	1.864	80- 90	85.29	4646	99.9,99.9
100	0.2429	0.2402	0.2427	0.2357	0.2009	0.1943	0.1947	0.2043	90-100	0.3733	4647	99.9,99.9
110	0.3407	0.3151	0.3293	0.3224	0.2730	0.2625	0.2620	0.2714	100-110	0.2666	4647	99.9,99.9
120	0.5150	0.4528	0.4596	0.4580	0.4788	0.4657	0.4714	0.4638	110-120	0.3713	4648	99.9,99.9
130	0.7103	0.6273	0.6506	0.6450	0.7588	0.7461	0.7503	0.7366	120-130	0.5243	4648	99.9,99.9
140	1.072	1.072	1.100	1.043	1.169	1.256	1.285	1.281	130-140	0.6930	4649	99.9,99.9
150	1.392	1.473	1.464	1.381	1.986	2.178	2.277	2.203	140-150	0.9236	4650	100,100
160	1.728	1.785	1.668	1.665	2.720	2.822	2.907	2.851	150-160	0.9473	4651	100,100
170	1.951	1.882	1.727	1.733	2.766	2.733	2.767	2.754	160-170	0.6556	4651	100,100
180	2.328	2.249	2.050	2.182	2.327	2.249	2.047	2.179	170-180	0.2138	4651	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2486.2 lm

%lum = 53.4%
%lamp = 53.4%

Conical surface Flux(120deg): 3659.8 lm

%lum = 78.7%
%lamp = 78.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

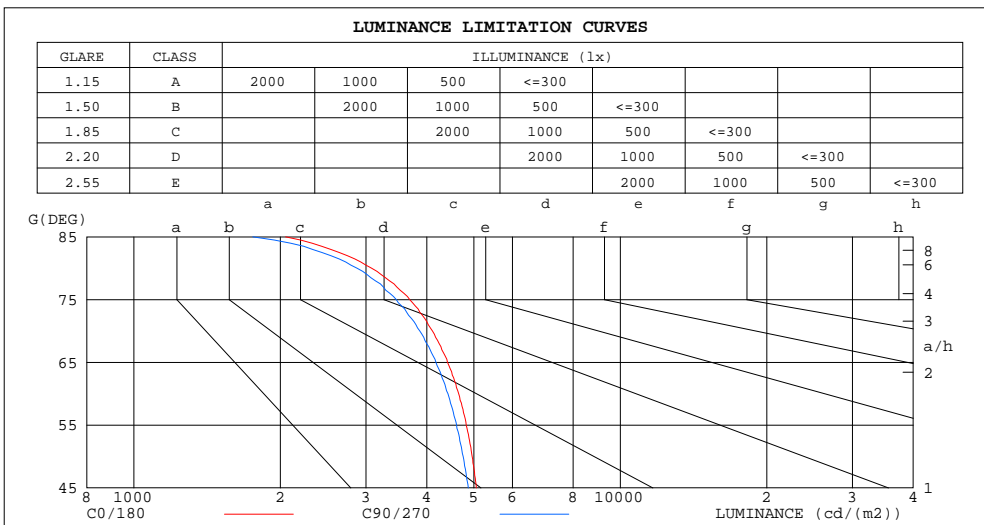
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2051	1756
80	3081	2875
75	3690	3463
70	4109	3869
65	4412	4179
60	4652	4421
55	4823	4606
50	4960	4751
45	5057	4868

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

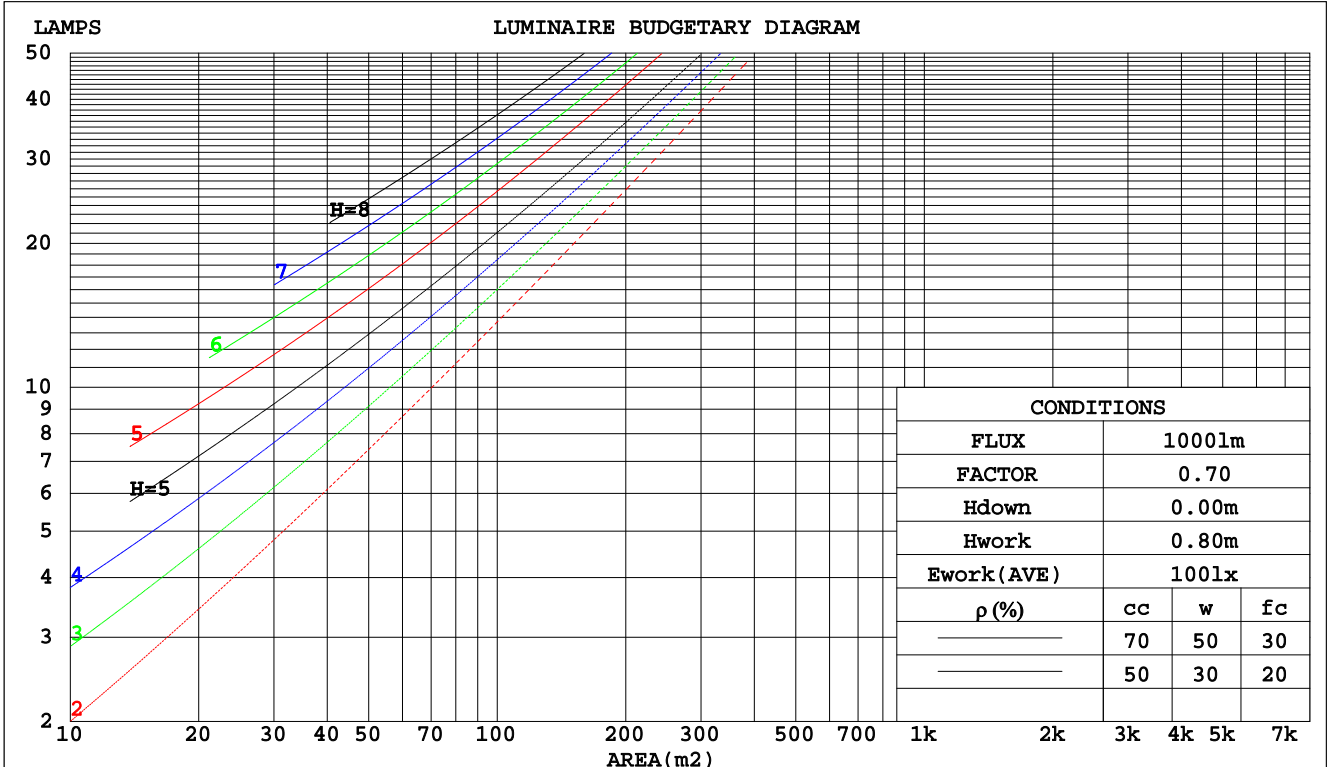
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.249	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm										
NAME: 1					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	12.9	14.4	13.1	14.6	14.8	12.6	14.2	12.9	14.4	14.6
3H	14.3	15.7	14.6	15.9	16.2	14.1	15.5	14.4	15.7	15.9
4H	14.8	16.2	15.2	16.4	16.7	14.6	15.9	14.9	16.2	16.4
6H	15.2	16.5	15.5	16.7	17.0	14.9	16.2	15.2	16.4	16.7
8H	15.3	16.5	15.6	16.8	17.1	15.0	16.2	15.3	16.5	16.8
12H	15.3	16.5	15.7	16.8	17.1	15.0	16.2	15.4	16.5	16.8
4H 2H	13.4	14.7	13.7	15.0	15.2	13.2	14.6	13.5	14.8	15.1
3H	15.0	16.2	15.4	16.5	16.8	14.8	16.0	15.2	16.3	16.6
4H	15.7	16.7	16.0	17.1	17.4	15.4	16.5	15.8	16.8	17.2
6H	16.1	17.1	16.5	17.4	17.8	15.9	16.8	16.3	17.2	17.6
8H	16.3	17.1	16.7	17.5	17.9	16.0	16.9	16.4	17.3	17.7
12H	16.3	17.1	16.7	17.5	17.9	16.1	16.9	16.5	17.3	17.7
8H 4H	15.9	16.8	16.3	17.1	17.5	15.7	16.6	16.1	16.9	17.3
6H	16.5	17.2	16.9	17.6	18.0	16.2	17.0	16.7	17.4	17.8
8H	16.6	17.3	17.1	17.7	18.2	16.4	17.1	16.9	17.5	18.0
12H	16.7	17.3	17.2	17.8	18.2	16.5	17.1	17.0	17.5	18.0
12H 4H	15.9	16.7	16.3	17.1	17.5	15.7	16.5	16.1	16.9	17.3
6H	16.5	17.1	16.9	17.6	18.0	16.3	16.9	16.7	17.3	17.8
8H	16.7	17.3	17.2	17.7	18.2	16.5	17.0	17.0	17.5	18.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4651 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.3)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

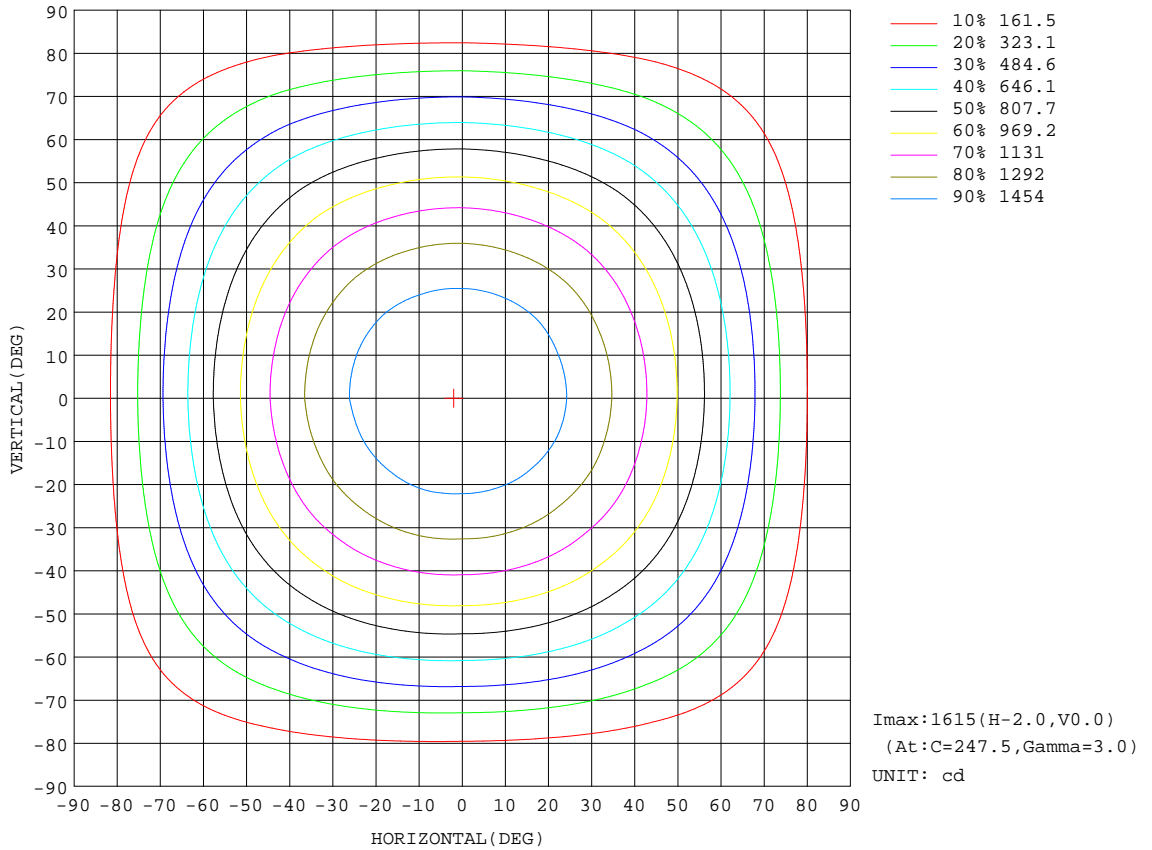
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2019-03-11

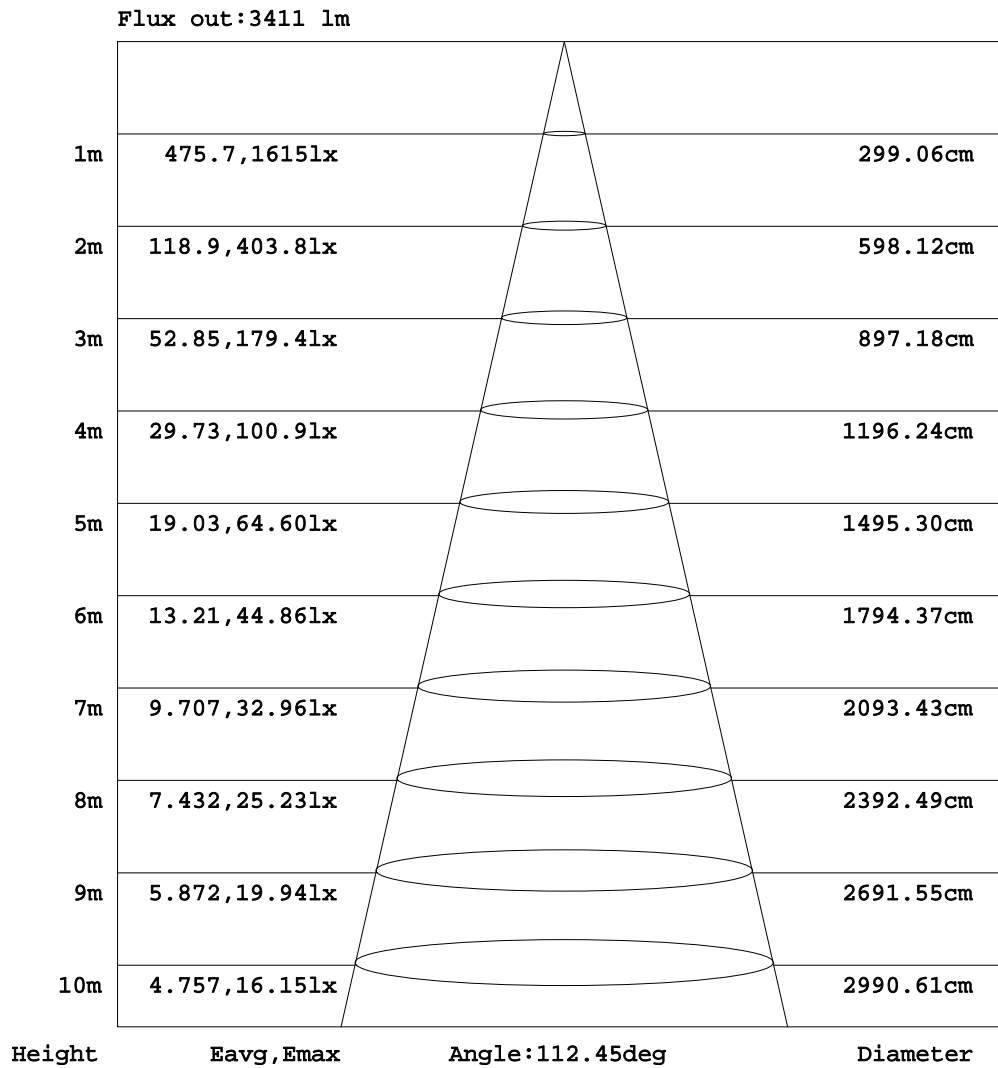
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

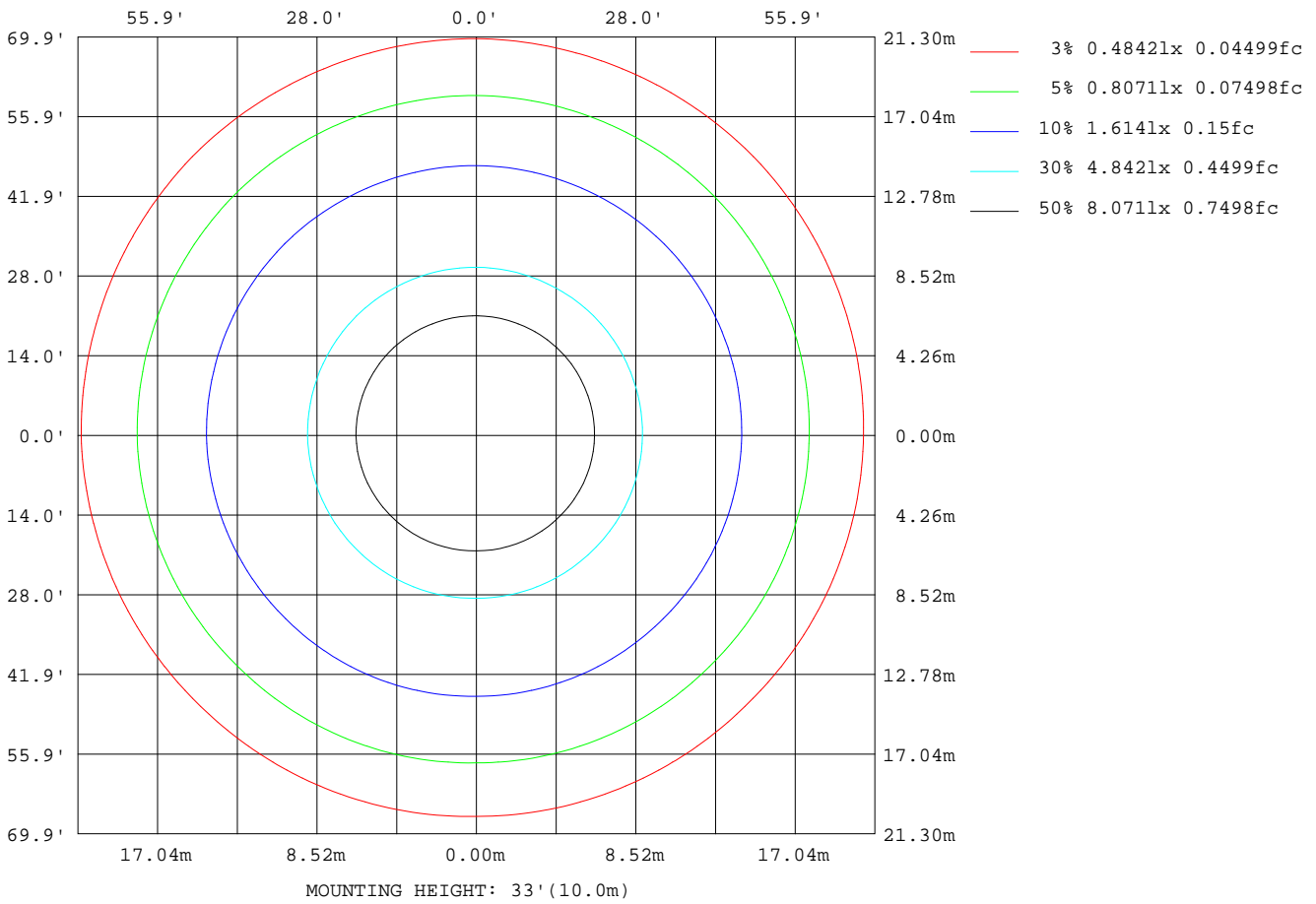
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg.L Report

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	4577
L_0~180(75)av	3946
L_0~180(85)av	2632
L_90~270(65)av	4505
L_90~270(75)av	3956
L_90~270(85)av	2850
L_45(65)av	4535
L_45(75)av	3945
L_45(85)av	2746

Standard: GB/T 29293-2012

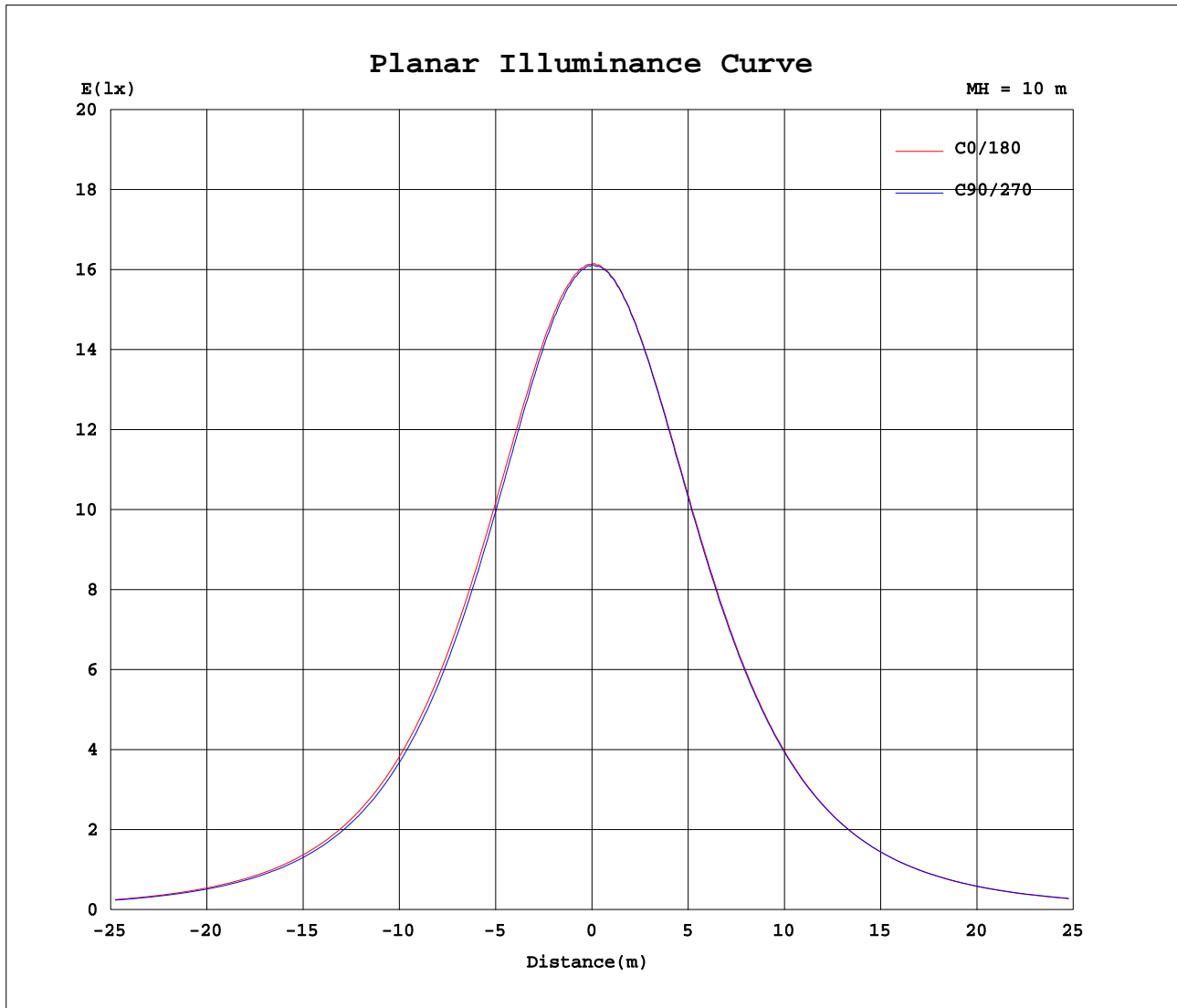
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1747A P:40.89W PF:0.9744 Freq:50.00Hz Lamp Flux:4651.46x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

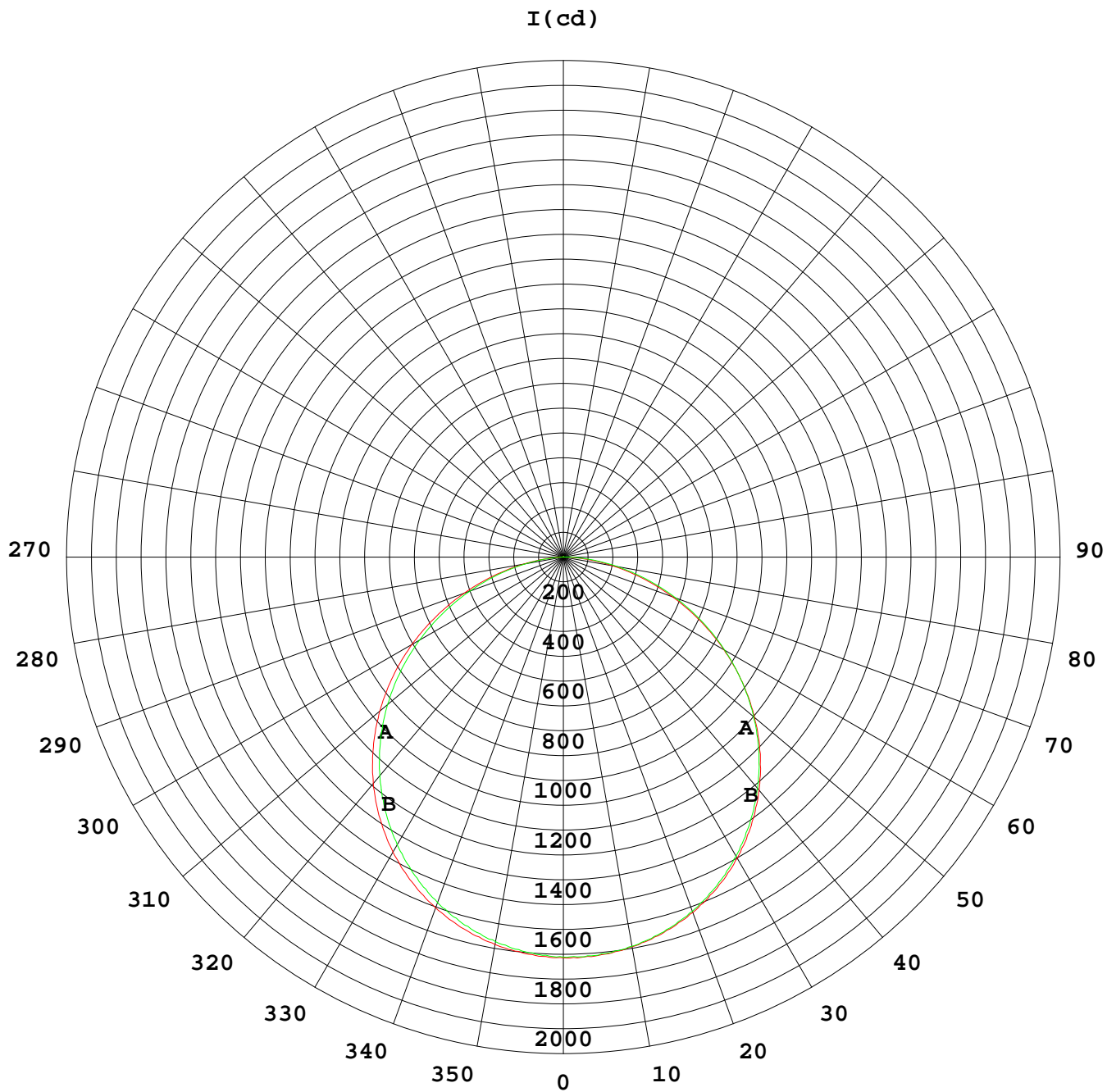
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611			
5	1603	1602	1597	1601	1600	1602	1604	1605	1608	1609	1608	1611	1609	1609	1608	1604			
10	1582	1578	1574	1573	1573	1577	1581	1587	1591	1592	1595	1593	1592	1590	1588	1586			
15	1547	1543	1535	1536	1534	1541	1547	1556	1562	1565	1564	1567	1562	1561	1558	1551			
20	1501	1495	1485	1482	1481	1488	1499	1511	1520	1523	1524	1520	1518	1514	1511	1506			
25	1441	1433	1420	1418	1415	1426	1439	1454	1466	1469	1468	1466	1461	1458	1455	1448			
30	1370	1360	1345	1340	1338	1349	1364	1383	1398	1400	1402	1395	1391	1386	1382	1377			
35	1284	1273	1256	1252	1249	1263	1279	1301	1317	1321	1320	1315	1310	1304	1302	1294			
40	1188	1176	1158	1152	1149	1164	1182	1205	1224	1227	1230	1221	1216	1209	1207	1199			
45	1080	1067	1049	1044	1041	1057	1075	1100	1120	1125	1125	1119	1114	1106	1104	1092			
50	963	950	931	925	924	939	957	983	1004	1008	1012	1005	1000	991	987	976			
55	835	822	804	800	799	815	832	857	879	886	888	884	880	870	865	850			
60	702	689	672	669	669	684	700	724	746	752	759	754	750	740	733	718			
65	563	551	535	535	534	550	563	587	607	615	622	620	618	607	598	581			
70	424	413	399	400	400	414	427	447	466	474	485	483	481	470	460	442			
75	288	279	268	270	271	284	294	312	329	338	348	348	348	336	326	307			
80	162	153	146	149	151	161	170	185	200	208	220	220	220	209	199	179			
85	54.0	46.8	41.5	43.8	46.3	54.9	61.9	72.5	84.8	92.4	102	104	104	95.1	84.3	68.2			
90	0.18	0.16	0.19	0.16	0.18	0.16	0.28	0.19	1.86	5.69	9.02	5.99	10.4	7.04	1.86	2.38			
95	0.21	0.19	0.21	0.20	0.21	0.19	0.20	0.18	0.19	0.20	0.18	0.20	0.18	0.20	0.19	0.21			
100	0.24	0.23	0.24	0.24	0.24	0.23	0.24	0.22	0.20	0.20	0.19	0.20	0.19	0.21	0.20	0.22			
105	0.28	0.27	0.28	0.28	0.28	0.27	0.27	0.26	0.22	0.22	0.23	0.22	0.22	0.22	0.23	0.24			
110	0.34	0.32	0.32	0.33	0.33	0.32	0.32	0.31	0.27	0.27	0.26	0.27	0.26	0.27	0.27	0.28			
115	0.42	0.39	0.38	0.38	0.38	0.38	0.38	0.38	0.36	0.36	0.35	0.35	0.35	0.35	0.36	0.37			
120	0.52	0.48	0.45	0.46	0.46	0.46	0.46	0.47	0.48	0.48	0.47	0.47	0.47	0.46	0.46	0.48			
125	0.61	0.57	0.54	0.56	0.54	0.54	0.55	0.57	0.62	0.62	0.61	0.62	0.61	0.60	0.61	0.62			
130	0.71	0.67	0.63	0.67	0.65	0.65	0.64	0.67	0.76	0.76	0.75	0.77	0.75	0.74	0.74	0.77			
135	0.88	0.86	0.82	0.83	0.84	0.82	0.82	0.82	0.93	0.93	0.93	0.94	0.95	0.93	0.94	0.95			
140	1.07	1.08	1.07	1.08	1.10	1.08	1.04	0.99	1.17	1.19	1.26	1.27	1.29	1.28	1.28	1.24			
145	1.25	1.31	1.31	1.33	1.33	1.29	1.25	1.17	1.55	1.61	1.70	1.77	1.79	1.79	1.74	1.65			
150	1.39	1.49	1.47	1.47	1.46	1.43	1.38	1.29	1.99	2.07	2.18	2.26	2.28	2.25	2.20	2.12			
155	1.55	1.66	1.64	1.64	1.56	1.57	1.55	1.48	2.37	2.46	2.53	2.67	2.66	2.67	2.58	2.55			
160	1.73	1.79	1.78	1.73	1.67	1.68	1.66	1.65	2.72	2.73	2.82	2.93	2.91	2.96	2.85	2.78			
165	1.82	1.90	1.83	1.75	1.70	1.71	1.68	1.72	2.80	2.80	2.91	3.00	3.00	2.97	2.95	2.86			
170	1.95	1.97	1.88	1.74	1.73	1.66	1.73	1.81	2.77	2.75	2.73	2.75	2.77	2.74	2.75	2.77			
175	2.11	2.12	2.04	1.92	1.79	1.83	1.90	2.01	2.56	2.56	2.49	2.44	2.40	2.43	2.49	2.53			
180	2.33	2.32	2.25	2.11	2.05	2.11	2.18	2.24	2.33	2.32	2.25	2.11	2.05	2.10	2.18	2.24			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

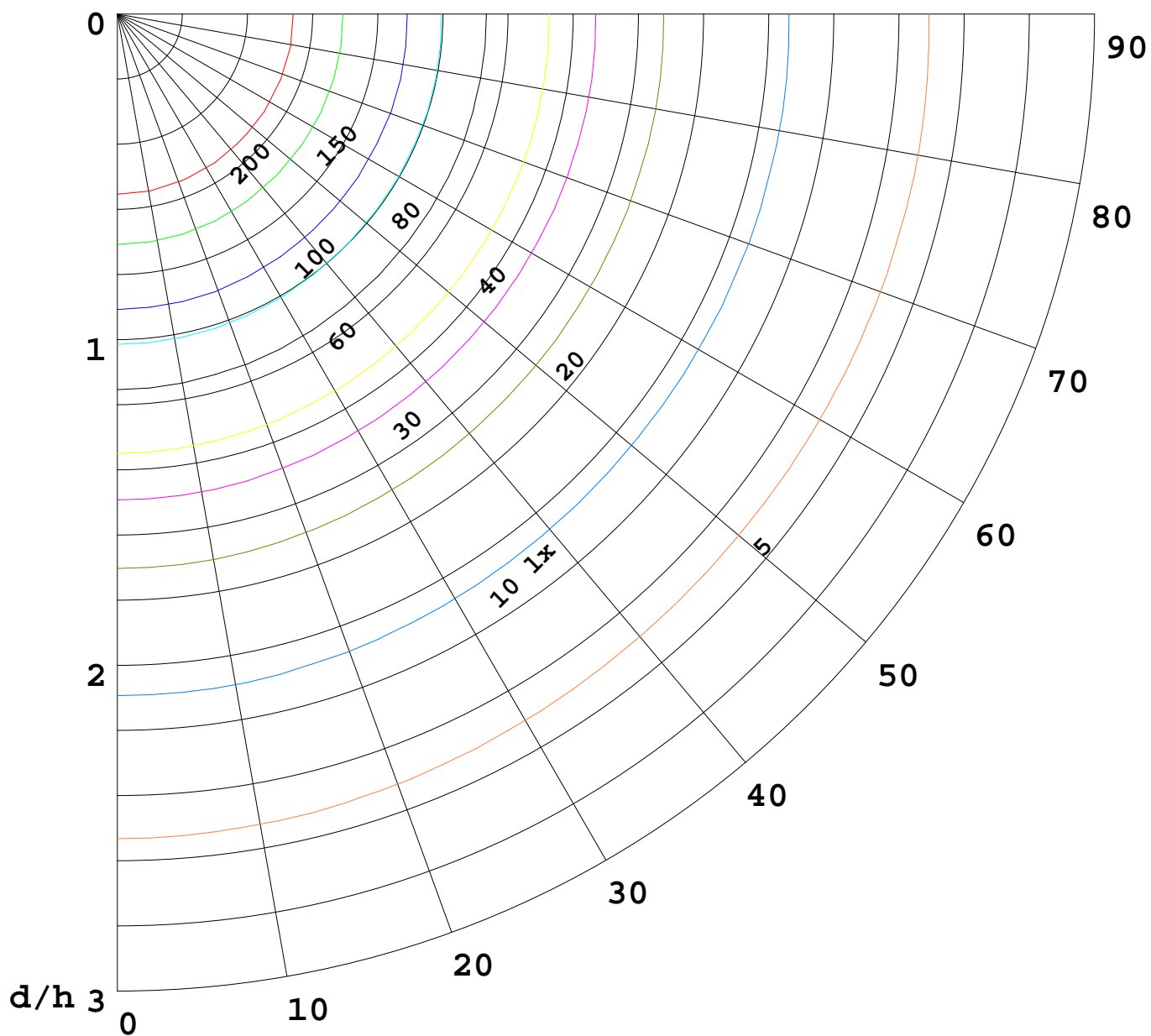
Checker: Near Gao

Assessor: Akin Xu



1000 lm

$\kappa = 1$



F = 1000 lm
K = 0.7
Hcc = 0.8 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

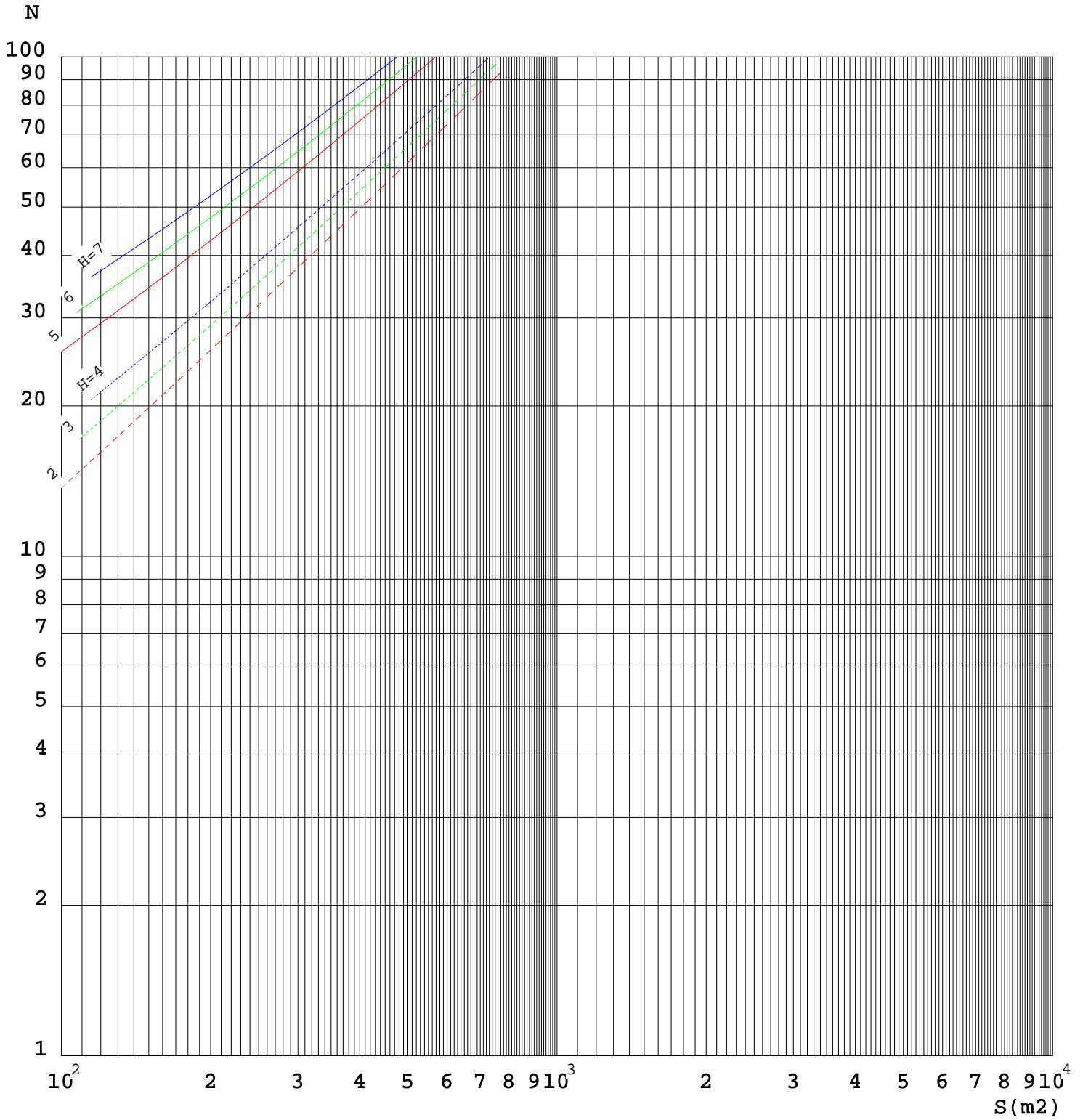


Photo documentation:

Photo 1

- General
- front
- rear
- right side
- left side
- top
- bottom
- internal

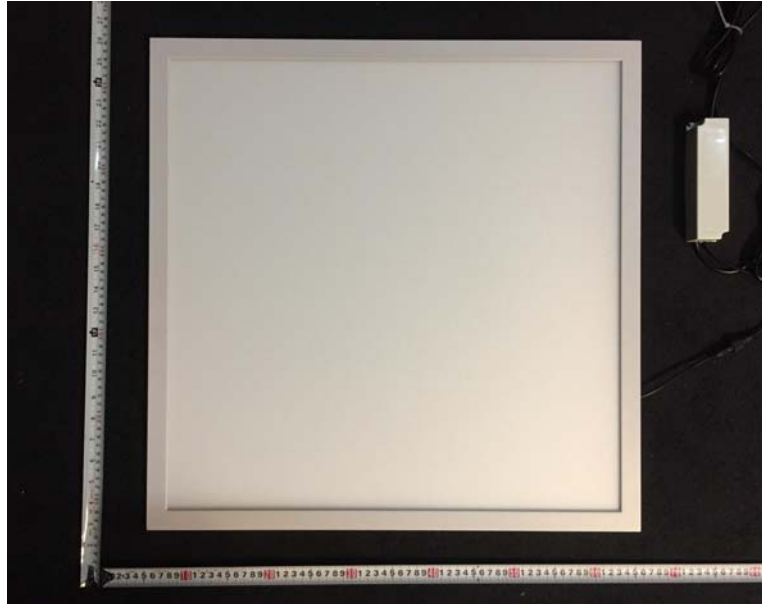
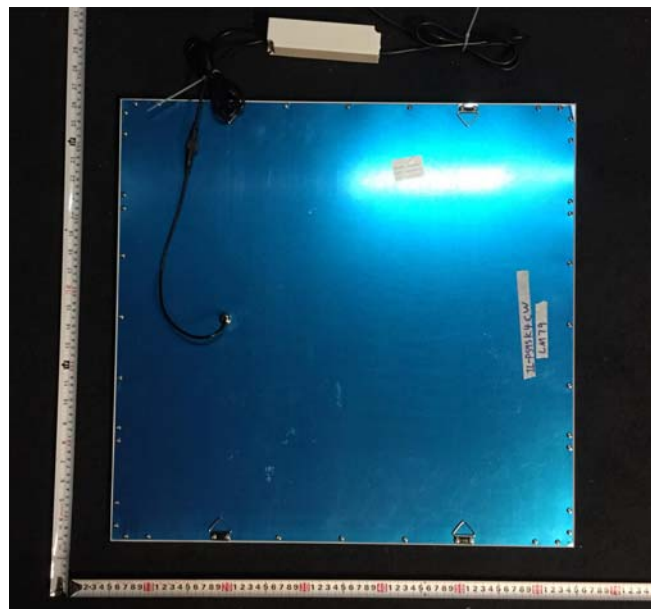


Photo 2

- General
- front
- rear
- right side
- left side
- top
- bottom
- internal



*****End of the report*****