

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

LED SMD Easy fit Downlight

Model No.: IL-ED6K4D

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. 22, to Jan. 24, 2019

Date of Report: Jan. 24, 2019

Report Number: TCT190122S011

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	TCT190122S011
Tested by (+ signature)	Moon Ding
Approved by (+ signature)	Thomas
Date of issue	Jan. 24, 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	GMIL584
Address	IAGFC2129
Test item description	LED SMD Easy fit Downlight
Trademark	
Model and/or type reference	IL-ED6K4D
Rating	220-240VAC, 50/60Hz, 15W

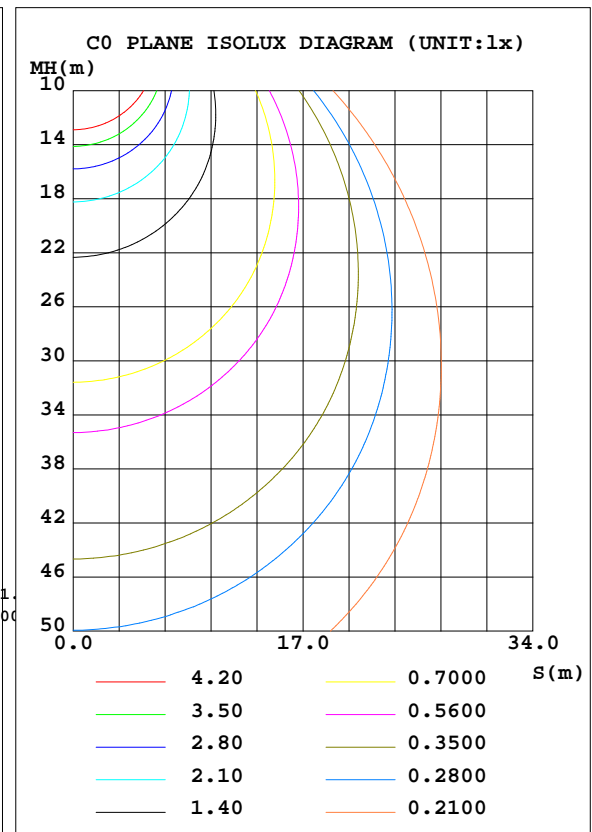
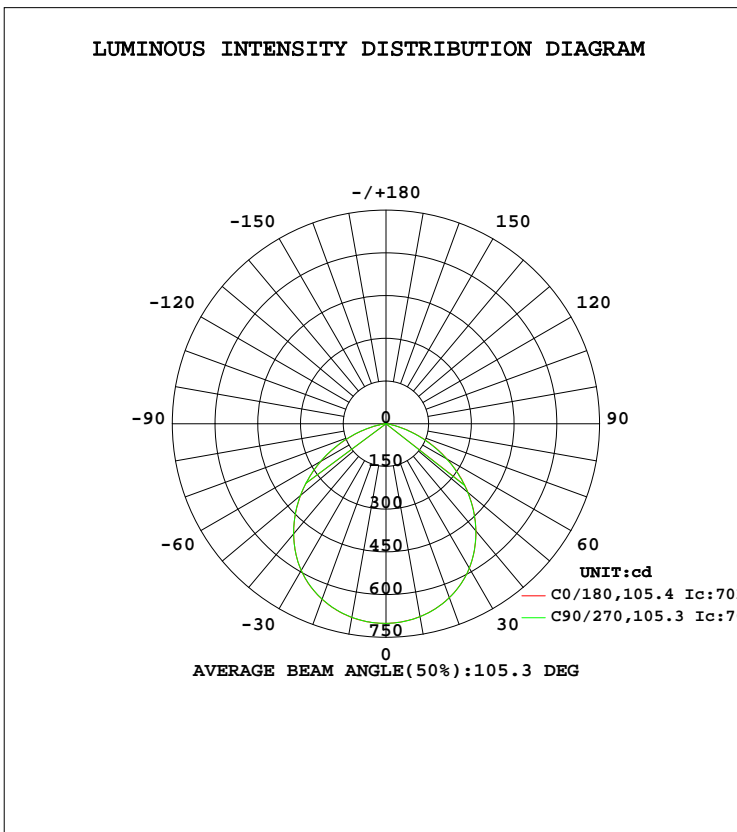


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.51 lm/W			
MODEL	IL-ED6K4D	I _{max} (cd)	701.3	S/MH(C0/180)	1.26
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1782.3	η UP, DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	1782.34	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.8
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	687.5	687.1	688.0	689.1	690.5	690.9	690.3	688.5	0- 10	66.34	66.34	3.72,3.72
20	649.8	648.6	650.4	653.3	655.9	657.0	655.4	652.9	10- 20	190.2	256.6	14.4,14.4
30	585.4	583.1	585.0	590.2	595.1	597.1	594.9	590.5	20- 30	287.9	544.5	30.6,30.6
40	491.2	487.9	490.4	496.9	504.4	507.5	505.0	498.8	30- 40	341.9	886.4	49.7,49.7
50	376.1	371.7	374.3	381.5	391.3	395.4	392.5	385.3	40- 50	341.2	1228	68.9,68.9
60	247.5	242.4	244.5	252.2	263.8	268.8	265.9	258.0	50- 60	286.2	1514	84.9,84.9
70	116.9	111.4	113.0	120.5	131.4	137.5	134.9	126.8	60- 70	187.0	1701	95.4,95.4
80	17.69	16.15	16.25	17.91	24.21	26.97	26.12	24.04	70- 80	70.35	1771	99.4,99.4
90	0.0518	0.0526	0.0522	0.0518	0.0539	0.5935	0.3930	0.0506	80- 90	9.104	1780	99.9,99.9
100	0.0702	0.0789	0.0760	0.0734	0.0687	0.0704	0.0668	0.0670	90-100	0.0676	1780	99.9,99.9
110	0.1077	0.1104	0.1135	0.1096	0.1005	0.1025	0.1004	0.0994	100-110	0.0901	1780	99.9,99.9
120	0.1814	0.1748	0.1766	0.1733	0.1834	0.1938	0.1961	0.1859	110-120	0.1389	1781	99.9,99.9
130	0.2782	0.2653	0.2741	0.2677	0.3131	0.3318	0.3329	0.3147	120-130	0.2134	1781	99.9,99.9
140	0.4608	0.4796	0.4905	0.4646	0.5238	0.5854	0.5826	0.5814	130-140	0.3047	1781	99.9,99.9
150	0.6085	0.6745	0.6643	0.6203	0.9096	1.006	1.057	1.013	140-150	0.4195	1781	100,100
160	0.7756	0.8249	0.7690	0.7682	1.328	1.414	1.449	1.407	150-160	0.4433	1782	100,100
170	0.8839	0.8968	0.8010	0.8058	1.397	1.396	1.406	1.387	160-170	0.3184	1782	100,100
180	1.166	1.126	1.040	1.079	1.164	1.127	1.040	1.078	170-180	0.1052	1782	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1060.6 lm

%lum = 59.5%
%lamp = 59.5%

Conical surface Flux(120deg): 1513.8 lm

%lum = 84.9%
%lamp = 84.9%

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

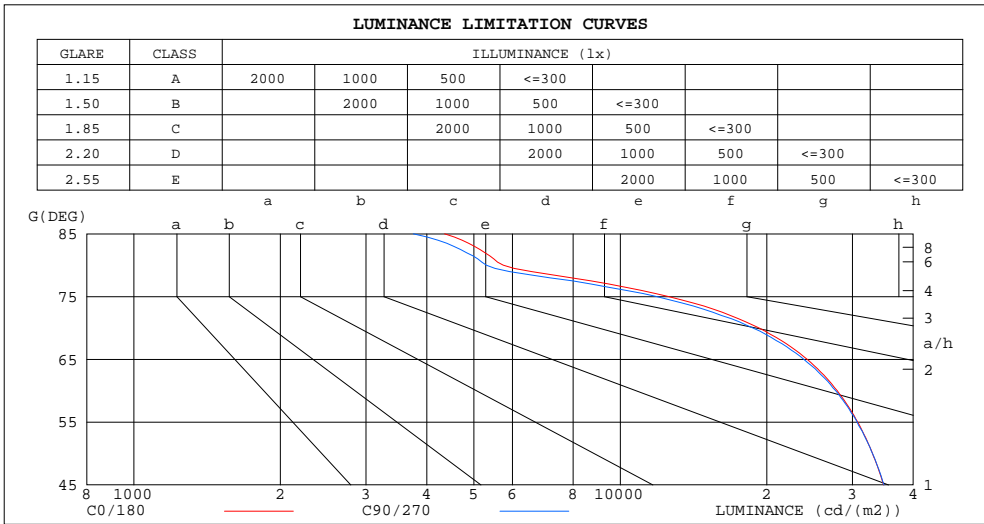
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4353	3754
80	5746	5303
75	12560	11881
70	19281	18720
65	24209	23825
60	27923	27706
55	30765	30672
50	32997	32991
45	34770	34826

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

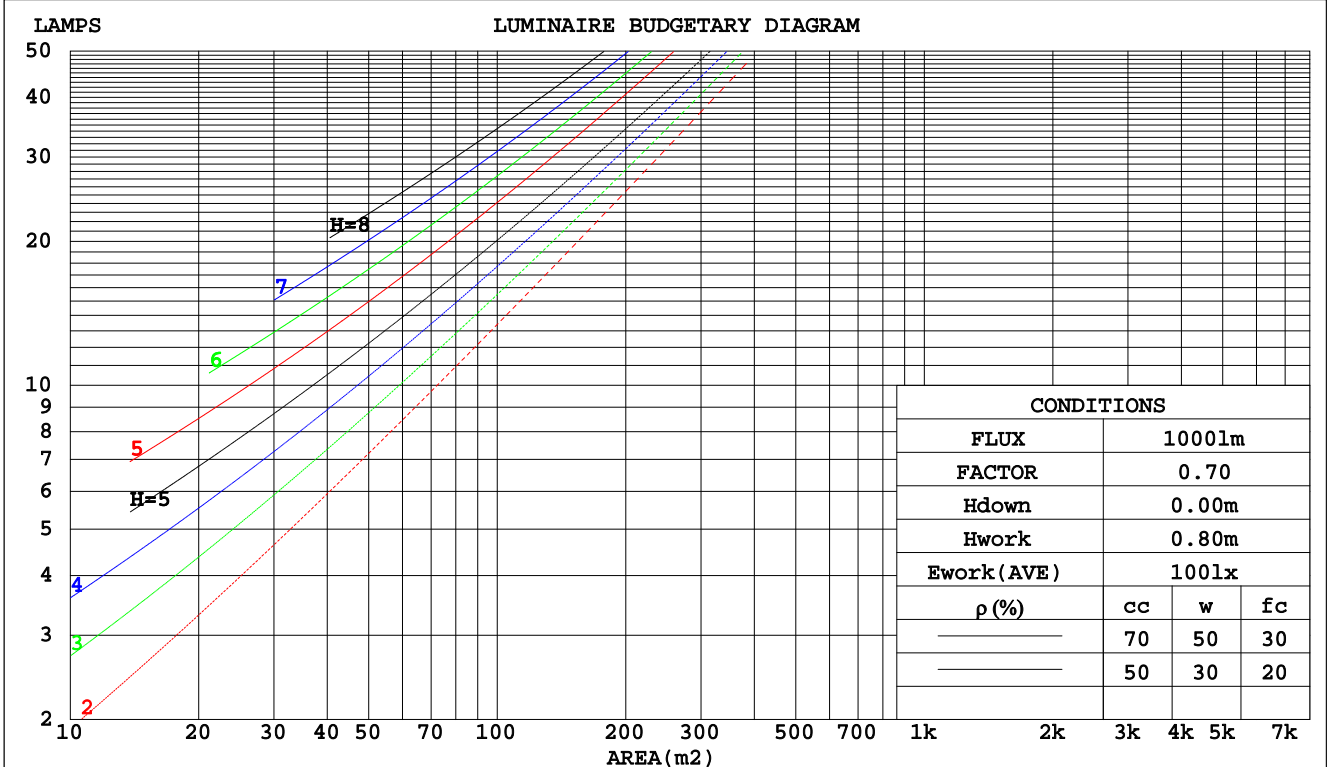
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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																0
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	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.82	.91	.85	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.68	.65	.62
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.57	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.63	.55	.50	.61	.54	.49	.59	.53	.49	.47
6.0	.59	.51	.45	.58	.50	.44	.57	.49	.44	.55	.48	.44	.53	.48	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.52	.44	.39	.50	.44	.39	.49	.43	.38	.37
8.0	.49	.41	.35	.49	.41	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.33
9.0	.45	.37	.32	.45	.37	.32	.43	.36	.32	.42	.36	.31	.41	.36	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.38	.33	.28	.27



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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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	.274	.156	.049	.267	.152	.048	.254	.146	.047	.242	.140	.045	.231	.134	.043	
2.0	.266	.146	.045	.260	.143	.044	.248	.138	.043	.238	.133	.042	.228	.129	.041	
3.0	.251	.133	.040	.245	.131	.040	.235	.127	.039	.226	.124	.038	.217	.120	.037	
4.0	.234	.122	.036	.230	.120	.036	.221	.117	.035	.212	.114	.034	.204	.111	.034	
5.0	.219	.111	.032	.214	.110	.032	.206	.108	.032	.199	.105	.031	.192	.103	.031	
6.0	.204	.102	.029	.201	.101	.029	.193	.099	.029	.187	.097	.029	.181	.095	.028	
7.0	.191	.095	.027	.188	.094	.027	.182	.092	.026	.176	.090	.026	.170	.088	.026	
8.0	.179	.088	.025	.176	.087	.025	.171	.085	.024	.165	.084	.024	.160	.082	.024	
9.0	.169	.082	.023	.166	.081	.023	.161	.080	.023	.156	.078	.022	.152	.077	.022	
10.0	.159	.076	.021	.157	.076	.021	.152	.075	.021	.148	.073	.021	.144	.072	.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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.179	.157	.138	.153	.135	.119	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.170	.133	.102	.145	.114	.088	.100	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.162	.115	.078	.139	.099	.068	.095	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.154	.102	.061	.132	.088	.053	.091	.061	.038	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.050	.126	.079	.043	.087	.055	.031	.050	.032	.018	.016	.011	.006	
6.0	.140	.083	.041	.120	.072	.036	.083	.050	.026	.048	.029	.015	.016	.010	.005	
7.0	.134	.076	.035	.115	.066	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.127	.070	.030	.110	.061	.027	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.027	.105	.056	.023	.073	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.116	.061	.024	.100	.053	.021	.069	.037	.015	.040	.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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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	22.5	24.0	22.8	24.2	24.4	22.5	24.0	22.8	24.2	24.4
3H	23.4	24.8	23.7	25.0	25.2	23.4	24.7	23.7	25.0	25.2
4H	23.6	24.9	23.9	25.1	25.4	23.6	24.8	23.9	25.1	25.3
6H	23.6	24.8	23.9	25.1	25.3	23.5	24.7	23.9	25.0	25.3
8H	23.6	24.7	23.9	25.0	25.3	23.5	24.6	23.8	24.9	25.2
12H	23.5	24.6	23.9	24.9	25.2	23.5	24.6	23.8	24.8	25.1
4H 2H	23.0	24.2	23.3	24.5	24.7	22.9	24.2	23.3	24.5	24.7
3H	24.0	25.1	24.3	25.4	25.7	23.9	25.0	24.3	25.3	25.6
4H	24.2	25.2	24.6	25.5	25.8	24.1	25.1	24.5	25.5	25.8
6H	24.2	25.1	24.6	25.4	25.8	24.2	25.0	24.6	25.4	25.7
8H	24.2	25.0	24.6	25.4	25.8	24.1	24.9	24.5	25.3	25.7
12H	24.2	24.9	24.6	25.3	25.7	24.1	24.8	24.5	25.2	25.6
8H 4H	24.2	25.0	24.6	25.4	25.8	24.2	25.0	24.6	25.3	25.7
6H	24.3	24.9	24.7	25.3	25.8	24.2	24.9	24.6	25.3	25.7
8H	24.3	24.8	24.7	25.3	25.7	24.2	24.8	24.6	25.2	25.7
12H	24.2	24.7	24.7	25.2	25.7	24.2	24.7	24.7	25.1	25.6
12H 4H	24.2	24.9	24.6	25.3	25.7	24.1	24.9	24.5	25.3	25.7
6H	24.2	24.8	24.7	25.2	25.7	24.2	24.8	24.6	25.2	25.6
8H	24.2	24.7	24.7	25.2	25.7	24.2	24.7	24.6	25.1	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.6 / - 0.5					+ 0.6 / - 0.6				

CIE Pub.117, 1782 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)

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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	59	52	68	58	52	45
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	76	70	85	76	69	82	74	69	62
1.50	91	82	76	89	81	75	86	79	74	67
2.00	98	90	84	96	89	83	92	86	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	97	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	97	89
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

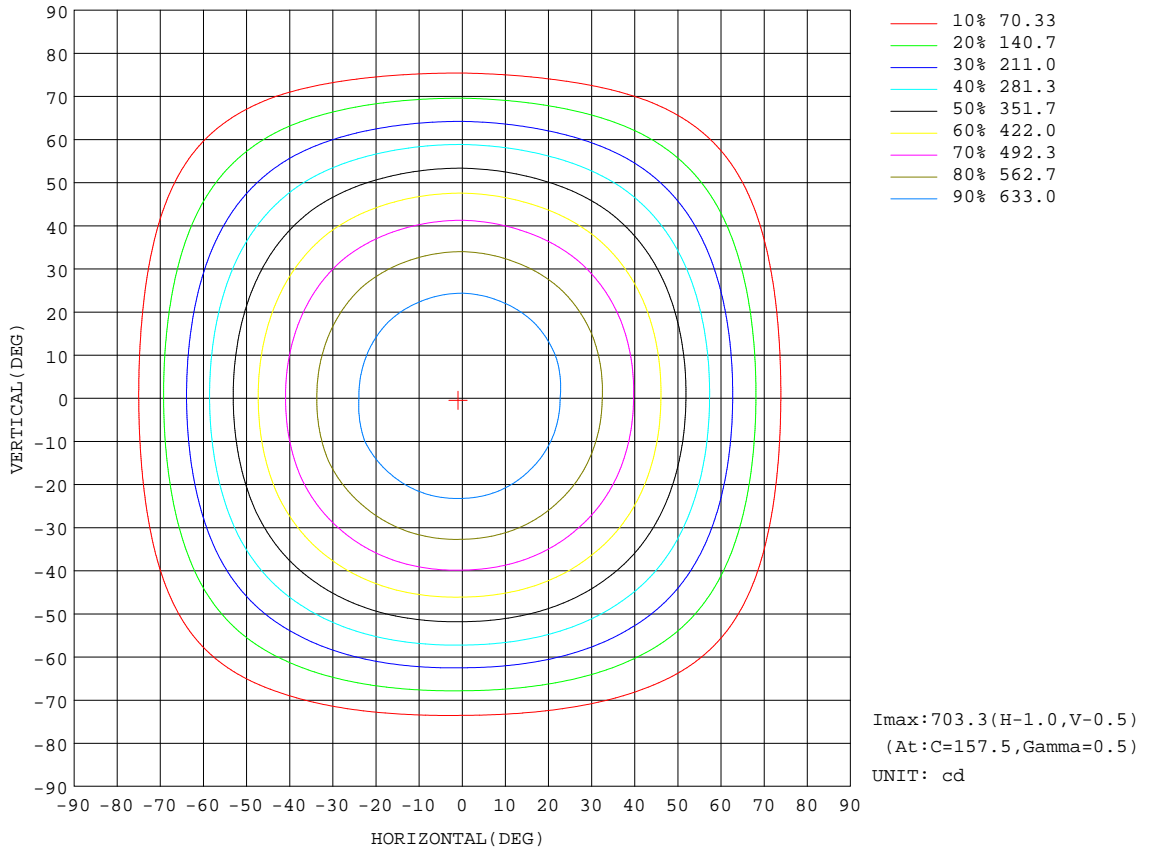
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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

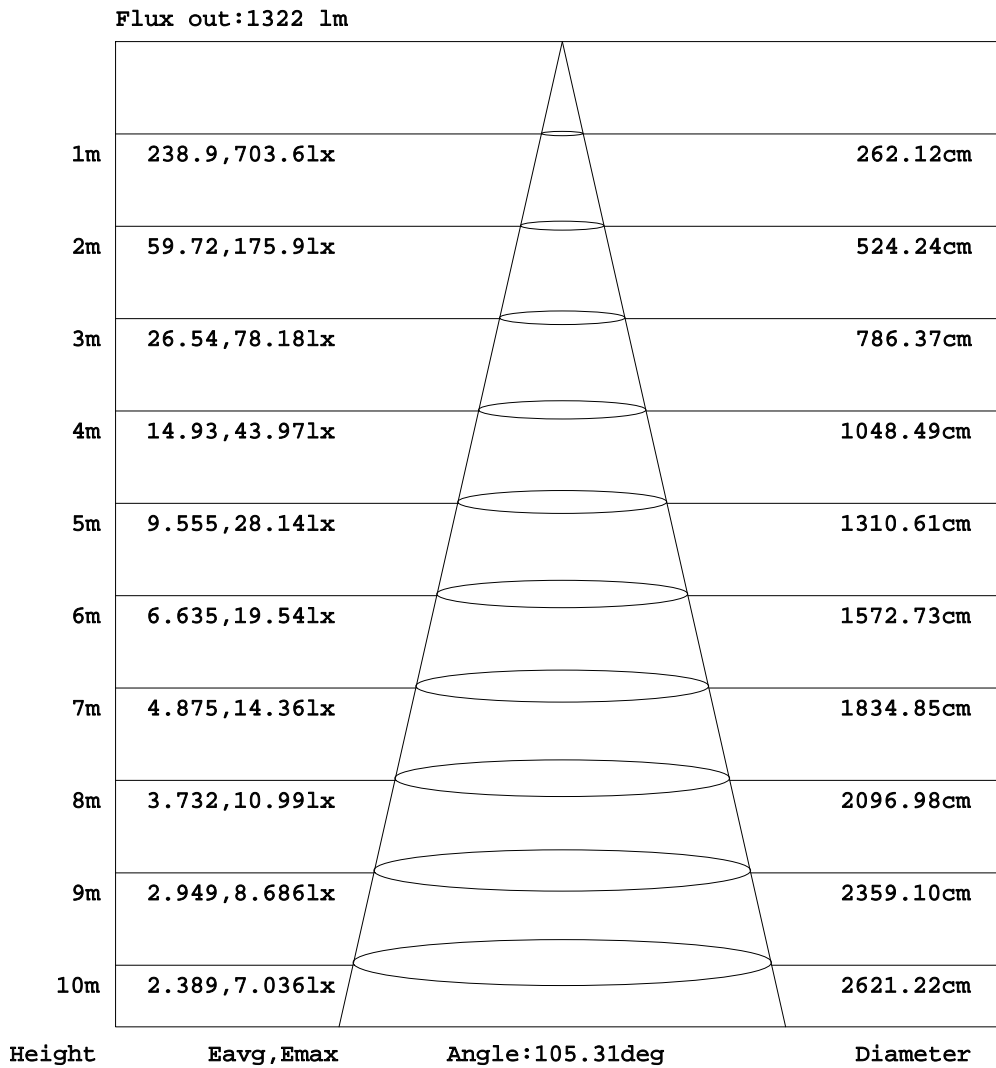
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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

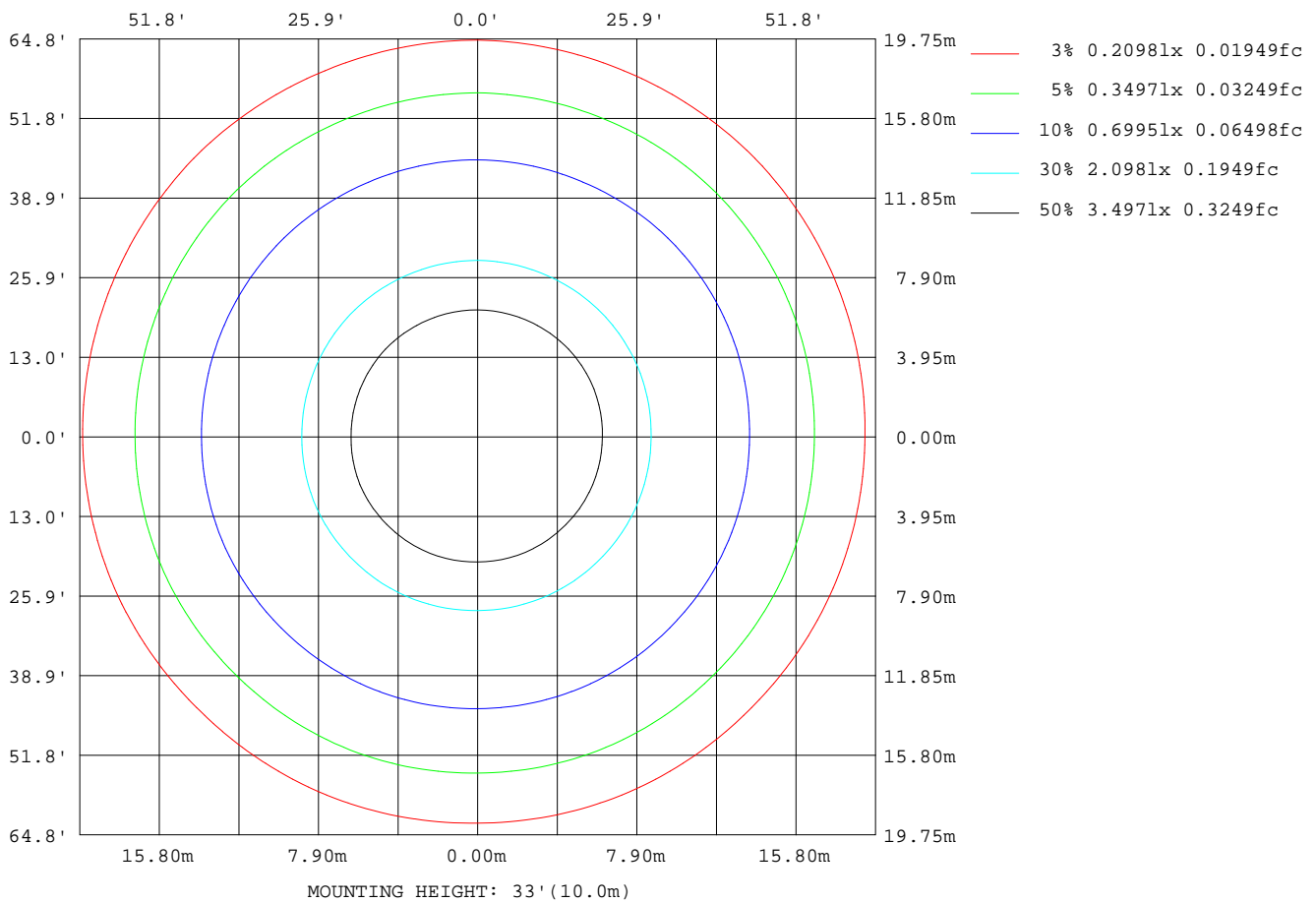
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	25338
L_0~180(75)av	14036
L_0~180(85)av	4992
L_90~270(65)av	25286
L_90~270(75)av	14102
L_90~270(85)av	5088
L_45(65)av	25320
L_45(75)av	14069
L_45(85)av	5037

Standard: GB/T 29293-2012

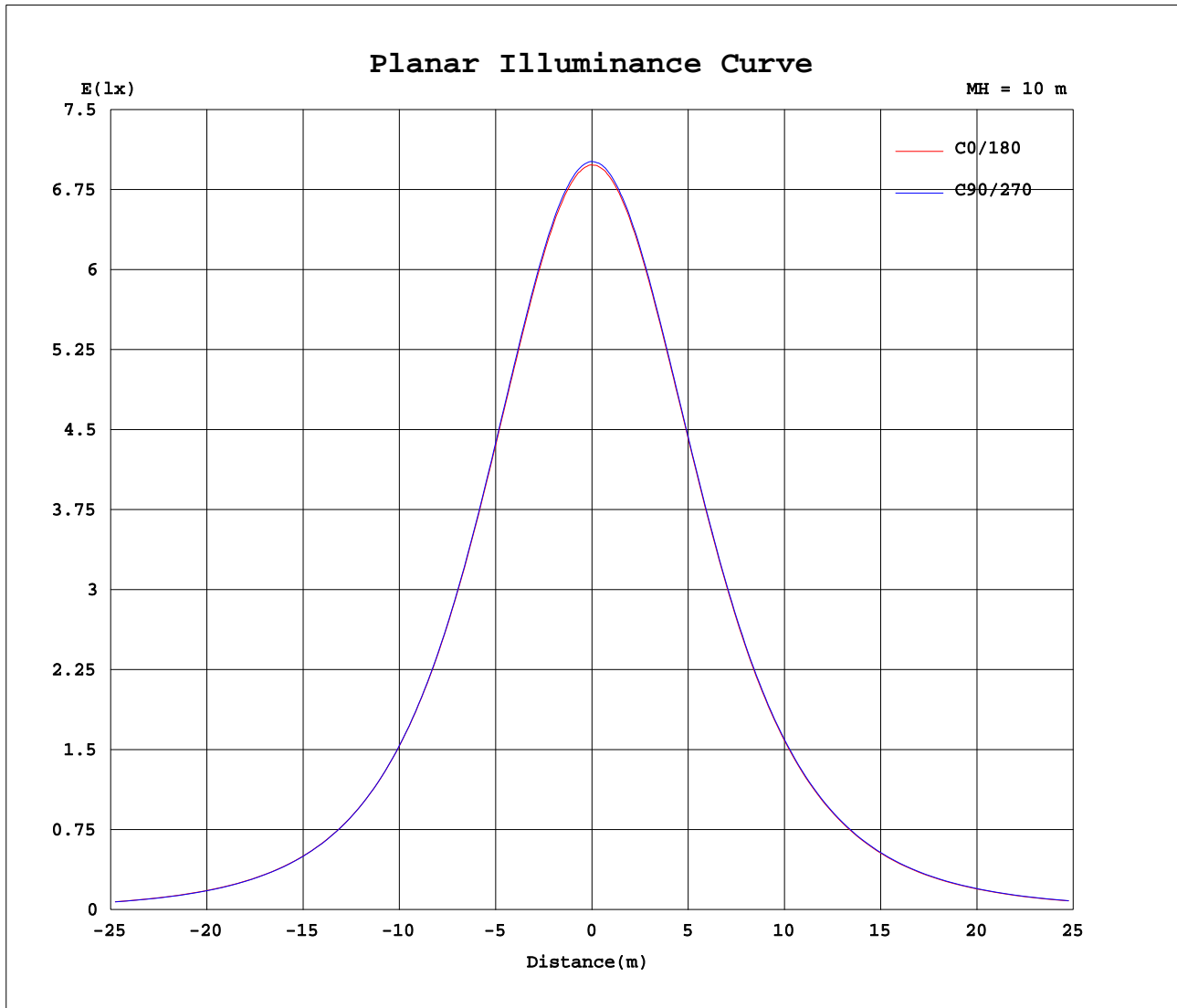
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

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:240.3V I:0.0662A P:15.17W PF:0.9534 Freq:50.00Hz Lamp Flux:1782.34x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

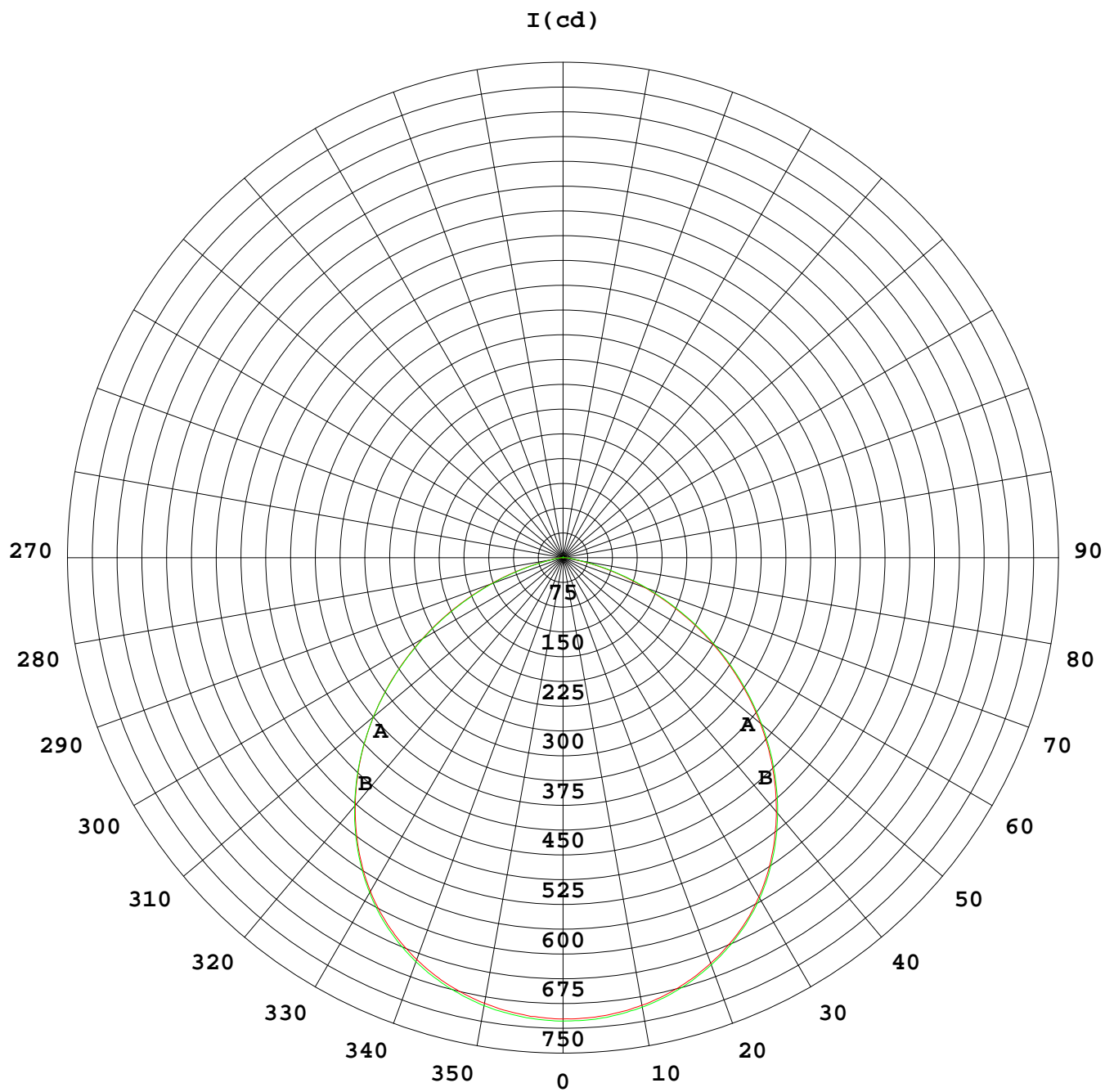
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701			
5	697	697	697	698	697	698	698	699	699	699	699	699	698	698	698	698			
10	687	688	687	688	688	689	689	690	691	691	691	690	690	689	689	688			
15	672	672	671	672	672	674	674	676	677	677	677	676	676	674	674	673			
20	650	650	649	650	650	652	653	656	656	657	657	656	655	653	653	651			
25	621	621	620	621	622	624	625	628	629	630	631	629	629	626	625	623			
30	585	585	583	585	585	588	590	594	595	596	597	595	595	592	590	587			
35	542	540	538	540	541	545	547	551	553	555	556	554	553	549	548	544			
40	491	490	488	490	490	495	497	502	504	506	507	505	505	500	499	494			
45	436	434	432	434	435	439	441	447	450	452	454	452	451	446	444	439			
50	376	374	372	374	374	379	381	388	391	393	395	393	392	388	385	380			
55	313	311	308	310	310	315	318	325	329	331	333	331	331	325	323	317			
60	248	246	242	245	244	250	252	259	264	266	269	267	266	261	258	252			
65	181	178	176	177	178	182	186	192	197	200	203	201	200	195	191	186			
70	117	114	111	113	113	117	120	126	131	135	137	136	135	130	127	121			
75	57.6	55.4	53.0	53.9	54.3	57.9	60.3	65.9	70.7	74.1	76.6	75.7	74.7	70.3	67.3	62.0			
80	17.7	18.0	16.2	17.3	16.3	19.6	17.9	22.2	24.2	24.9	27.0	26.4	26.1	23.4	24.0	19.2			
85	6.73	6.10	5.61	5.69	5.77	6.35	6.85	7.72	8.64	9.30	9.92	9.90	9.89	9.21	8.65	7.69			
90	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.20	0.59	0.43	0.39	0.11	0.05	0.06			
95	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
100	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
105	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
110	0.11	0.10	0.11	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
115	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14			
120	0.18	0.18	0.17	0.18	0.18	0.18	0.17	0.17	0.18	0.19	0.19	0.19	0.20	0.19	0.19	0.19			
125	0.23	0.22	0.22	0.23	0.22	0.22	0.22	0.22	0.25	0.26	0.26	0.27	0.26	0.25	0.25	0.25			
130	0.28	0.27	0.27	0.28	0.27	0.27	0.27	0.26	0.31	0.32	0.33	0.34	0.33	0.33	0.31	0.32			
135	0.37	0.37	0.36	0.36	0.37	0.36	0.36	0.35	0.40	0.41	0.42	0.44	0.42	0.42	0.41	0.42			
140	0.46	0.48	0.48	0.48	0.49	0.48	0.46	0.43	0.52	0.55	0.59	0.59	0.58	0.59	0.58	0.55			
145	0.54	0.59	0.59	0.61	0.60	0.59	0.55	0.53	0.71	0.75	0.79	0.83	0.82	0.82	0.79	0.75			
150	0.61	0.68	0.67	0.67	0.66	0.64	0.62	0.57	0.91	0.95	1.01	1.05	1.06	1.05	1.01	0.98			
155	0.69	0.76	0.76	0.75	0.71	0.72	0.71	0.66	1.11	1.17	1.24	1.27	1.27	1.27	1.23	1.22			
160	0.78	0.82	0.82	0.80	0.77	0.78	0.77	0.74	1.33	1.36	1.41	1.43	1.45	1.46	1.41	1.36			
165	0.82	0.86	0.85	0.82	0.80	0.79	0.79	0.78	1.41	1.42	1.47	1.49	1.52	1.49	1.46	1.42			
170	0.88	0.90	0.90	0.83	0.80	0.79	0.81	0.83	1.40	1.40	1.40	1.39	1.41	1.39	1.39	1.38			
175	0.98	0.98	0.96	0.92	0.84	0.86	0.88	0.93	1.31	1.31	1.28	1.23	1.23	1.24	1.26	1.28			
180	1.17	1.15	1.13	1.07	1.04	1.05	1.08	1.12	1.16	1.15	1.13	1.07	1.04	1.05	1.08	1.12			

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

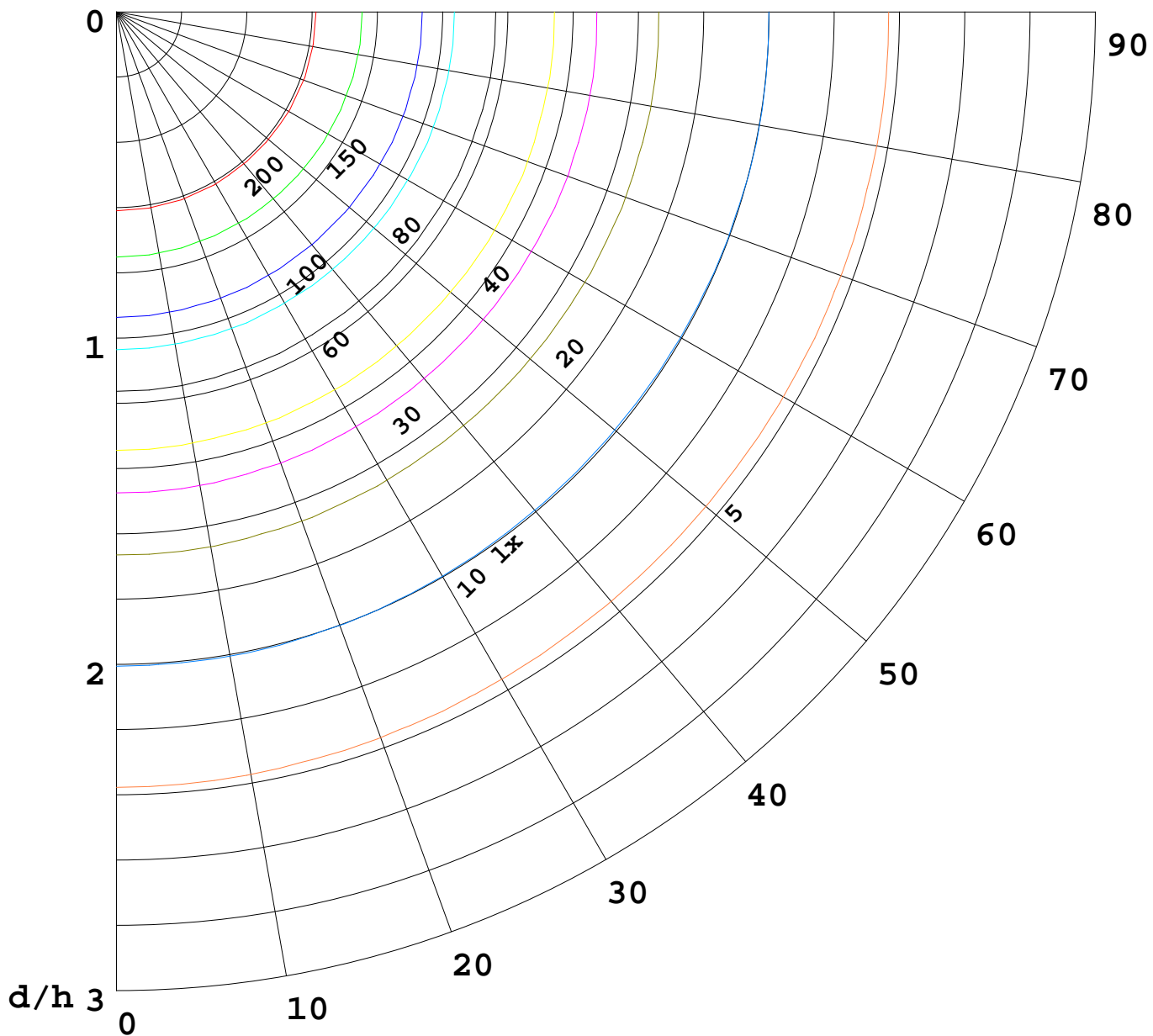
Checker: Near Gao

Assessor: Akin Xu



1000 lm

$K = 1$



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

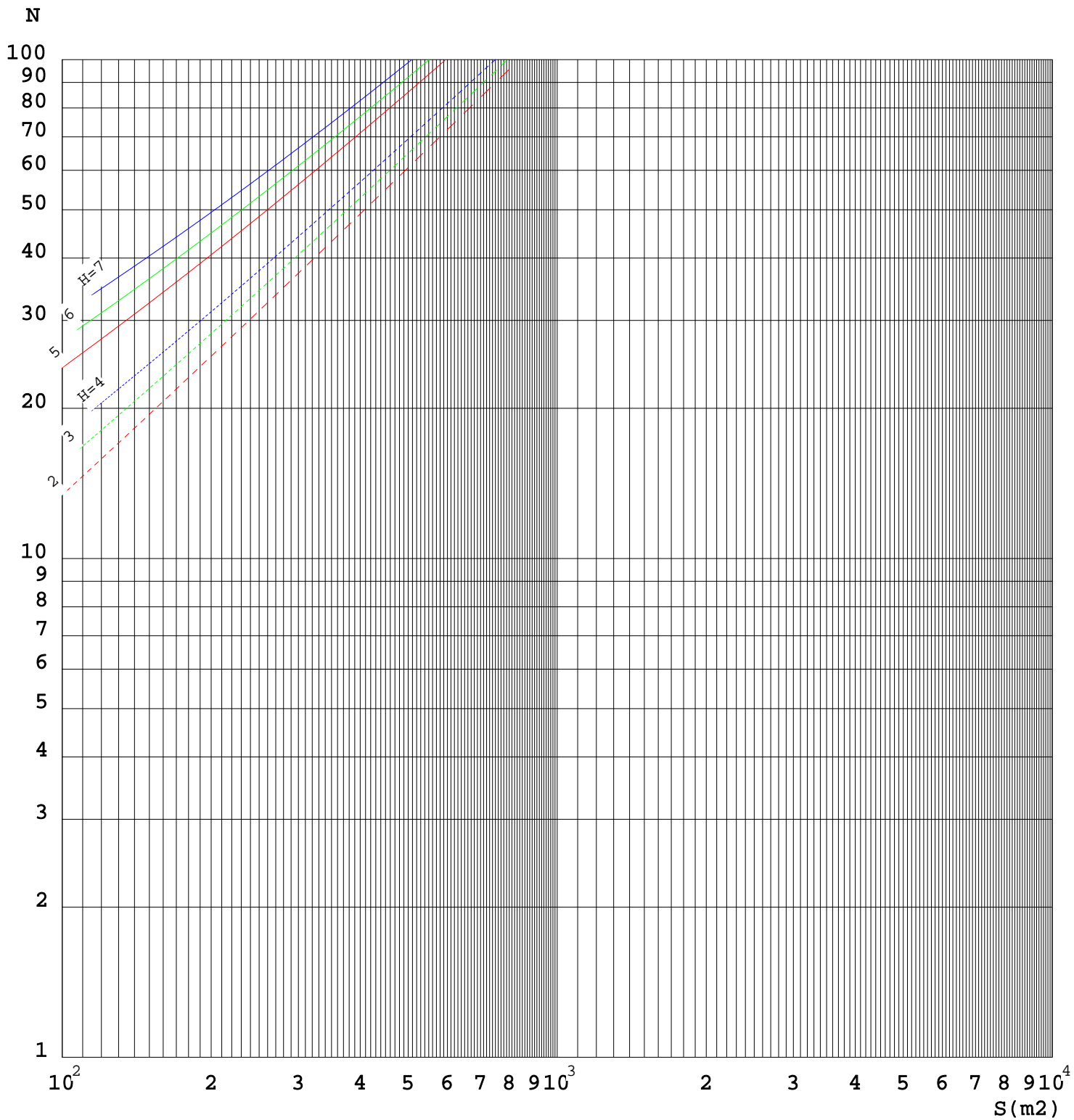


Photo documentation:

Photo 1

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

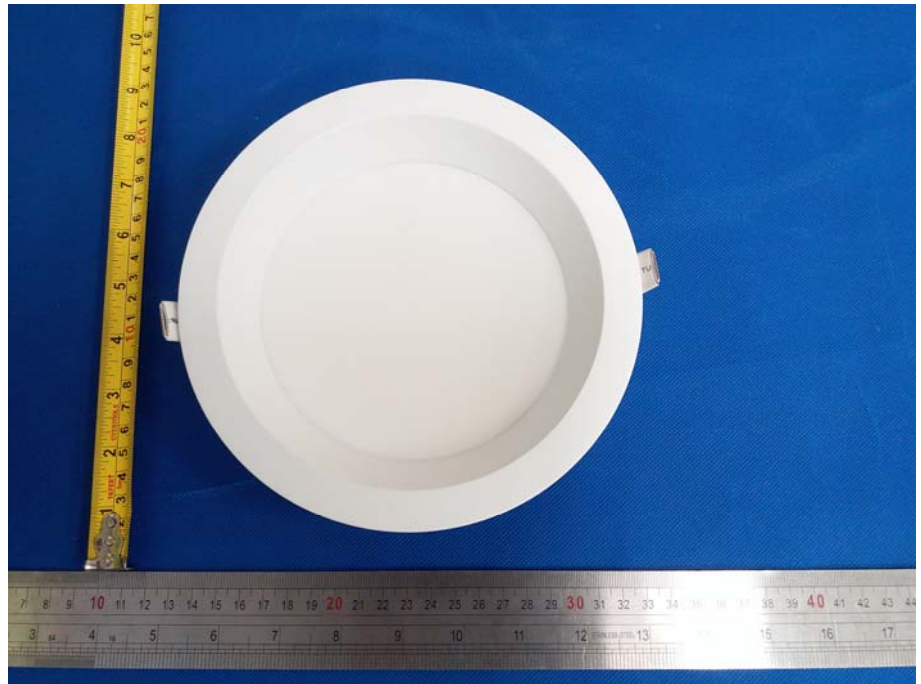
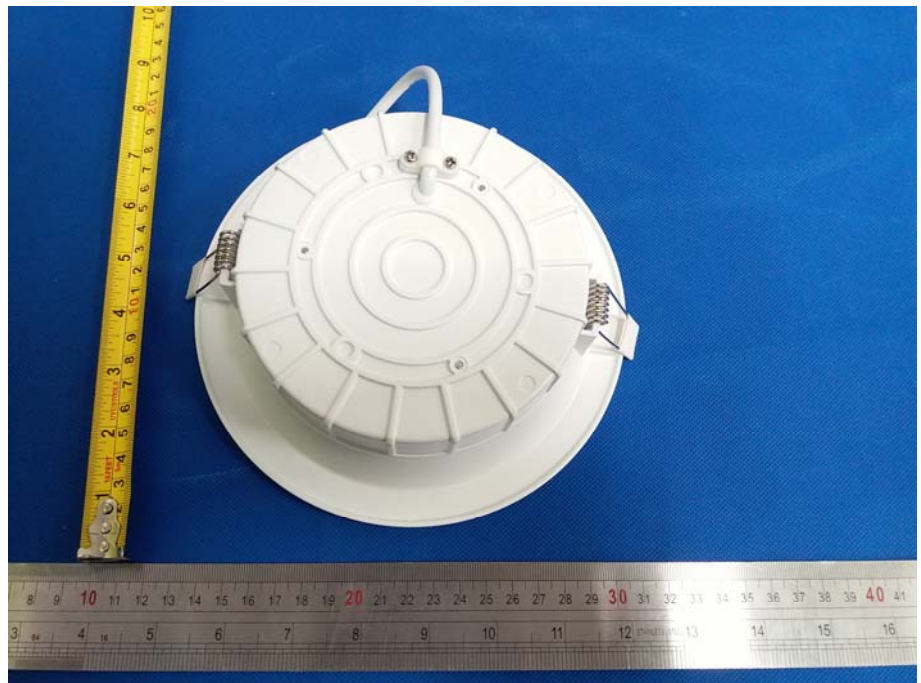


Photo 2

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



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