

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

LED SMD Easy fit Downlight

Model No.: IL-ED6K3D

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: TCT190122S010

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<p>Test Report IESNA LM 79: 2008 ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS</p>	
Report reference No	TCT190122S010
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-ED6K3D
Rating	220-240VAC, 50/60Hz, 15W

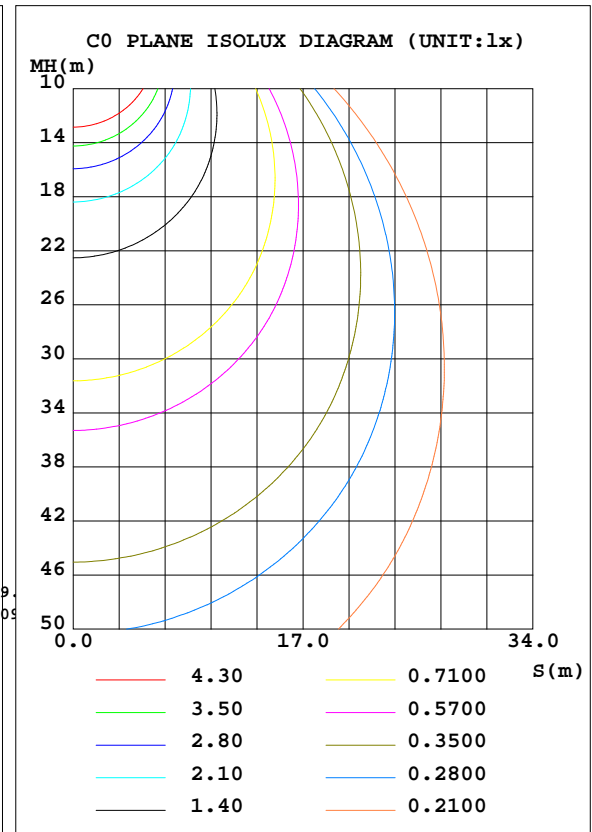
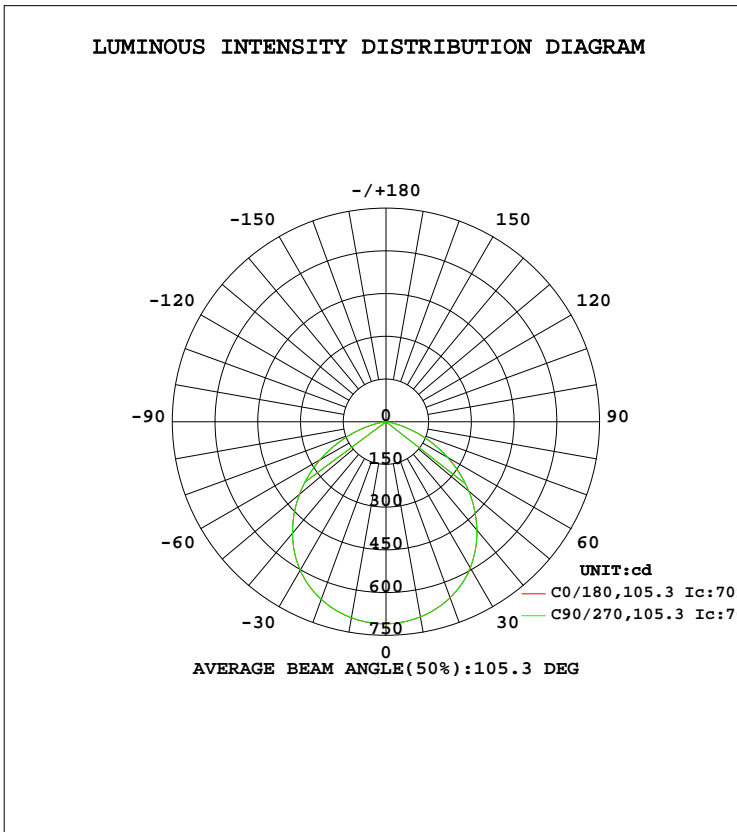


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		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:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.12 lm/W			
MODEL	IL-ED6K3D	I _{max} (cd)	709.6	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)	1803.4	η UP, DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	1803.43	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	695.8	694.7	695.5	697.8	699.4	698.9	698.6	697.2	0- 10	67.13	67.13	3.72,3.72
20	657.6	656.4	657.9	661.2	664.4	665.0	663.0	660.8	10- 20	192.5	259.6	14.4,14.4
30	592.4	590.0	591.9	597.4	602.6	603.9	602.0	597.7	20- 30	291.4	551.0	30.6,30.6
40	497.0	493.1	496.2	502.9	510.6	513.7	511.1	504.8	30- 40	345.9	896.9	49.7,49.7
50	380.2	376.0	378.5	386.1	396.4	400.3	397.3	390.2	40- 50	345.2	1242	68.9,68.9
60	250.2	245.0	247.1	255.2	267.3	272.2	269.3	261.2	50- 60	289.5	1532	84.9,84.9
70	118.2	112.6	114.0	121.8	133.1	139.1	136.8	128.6	60- 70	189.2	1721	95.4,95.4
80	17.86	16.33	16.43	18.06	24.62	27.44	26.69	23.37	70- 80	71.20	1792	99.4,99.4
90	0.0528	0.0528	0.0526	0.0529	0.0654	0.6258	0.4278	0.0510	80- 90	9.211	1801	99.9,99.9
100	0.0719	0.0784	0.0790	0.0736	0.0699	0.0705	0.0681	0.0670	90-100	0.0685	1801	99.9,99.9
110	0.1083	0.1114	0.1146	0.1109	0.1035	0.1034	0.0989	0.0995	100-110	0.0913	1801	99.9,99.9
120	0.1837	0.1776	0.1787	0.1751	0.1864	0.1970	0.1984	0.1878	110-120	0.1407	1802	99.9,99.9
130	0.2797	0.2682	0.2787	0.2713	0.3161	0.3348	0.3358	0.3177	120-130	0.2158	1802	99.9,99.9
140	0.4664	0.4859	0.4965	0.4697	0.5298	0.5929	0.5975	0.5882	130-140	0.3079	1802	99.9,99.9
150	0.6154	0.6821	0.6719	0.6290	0.9235	1.019	1.070	1.025	140-150	0.4248	1803	100,100
160	0.7841	0.8328	0.7784	0.7778	1.344	1.433	1.468	1.423	150-160	0.4488	1803	100,100
170	0.8930	0.9058	0.8091	0.8146	1.416	1.414	1.424	1.404	160-170	0.3222	1803	100,100
180	1.179	1.139	1.052	1.093	1.180	1.140	1.053	1.093	170-180	0.1065	1803	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1073.2 lm

%lum = 59.5%
%lamp = 59.5%

Conical surface Flux(120deg): 1531.7 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

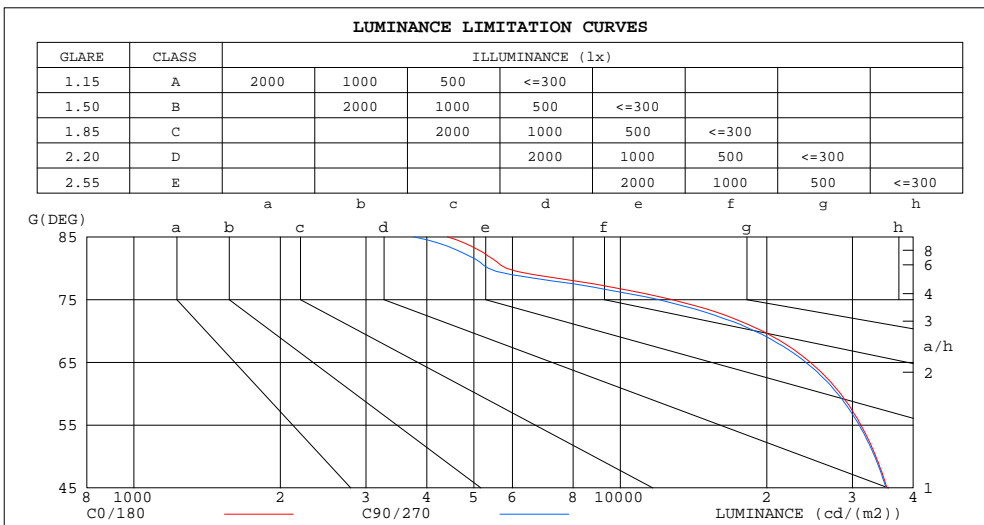
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4407	3757
80	5829	5354
75	12756	11981
70	19585	18870
65	24581	24054
60	28358	27972
55	31241	30990
50	33525	33328
45	35345	35173

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
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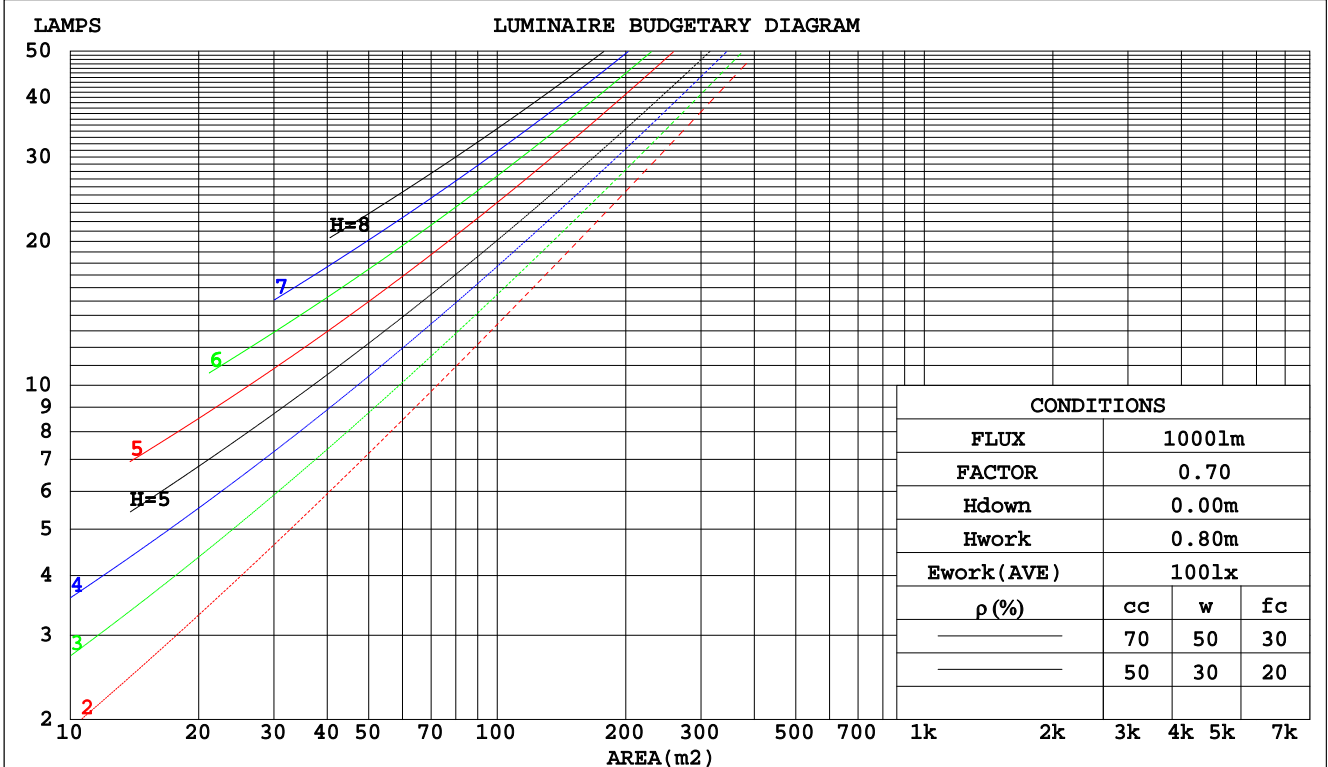
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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	1.06	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:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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	22.6	24.0	22.8	24.2	24.4	22.5	24.0	22.8	24.2	24.4
3H	23.5	24.8	23.8	25.0	25.3	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	24.5	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	25.9	24.1	25.1	24.5	25.5	25.8
6H	24.2	25.1	24.6	25.5	25.8	24.1	25.0	24.5	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	24.9	24.7	25.3	25.7	24.2	24.8	24.6	25.2	25.6
12H	24.3	24.8	24.7	25.2	25.7	24.2	24.7	24.6	25.1	25.6
12H 4H	24.2	24.9	24.6	25.3	25.7	24.1	24.9	24.5	25.2	25.7
6H	24.2	24.8	24.7	25.3	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 / - 0.5				

CIE Pub.117, 1803 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:Wilson
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Humidity:60.5%
Test Distance:2.718m [K=1.0000]
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Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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

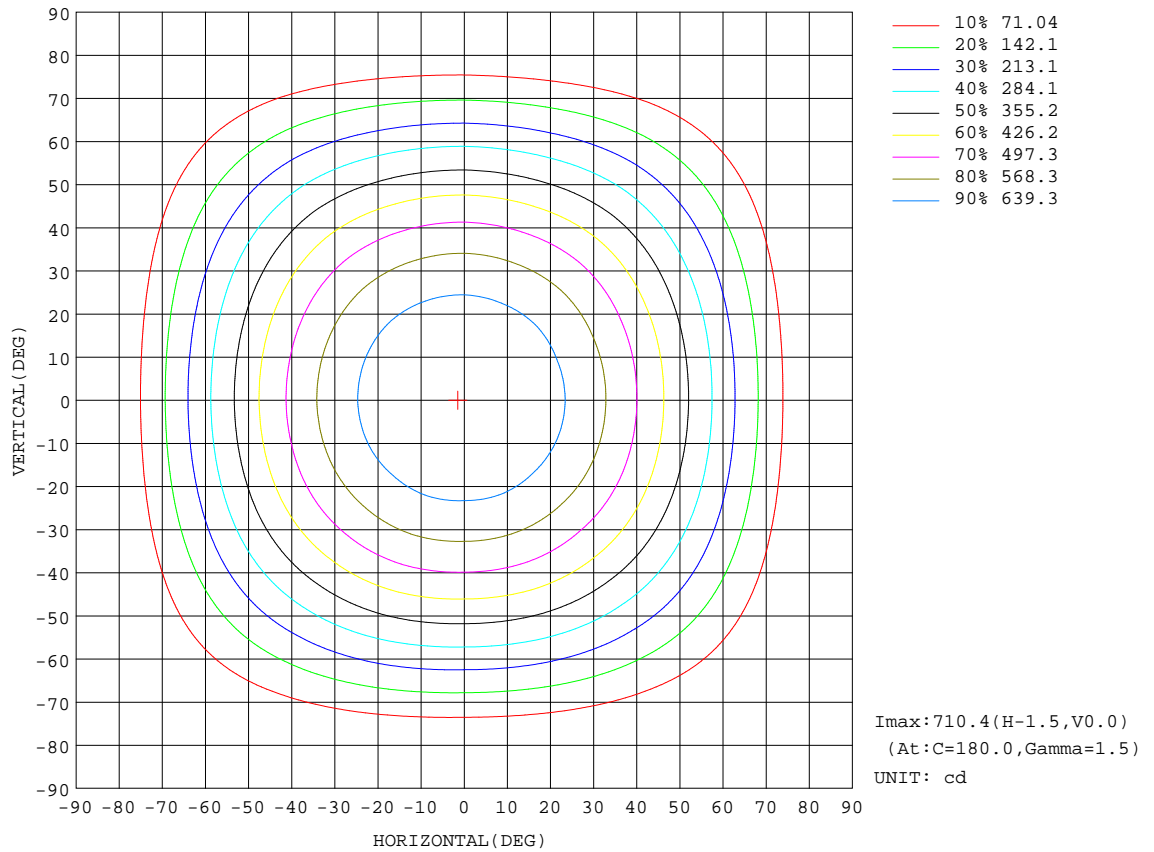
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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

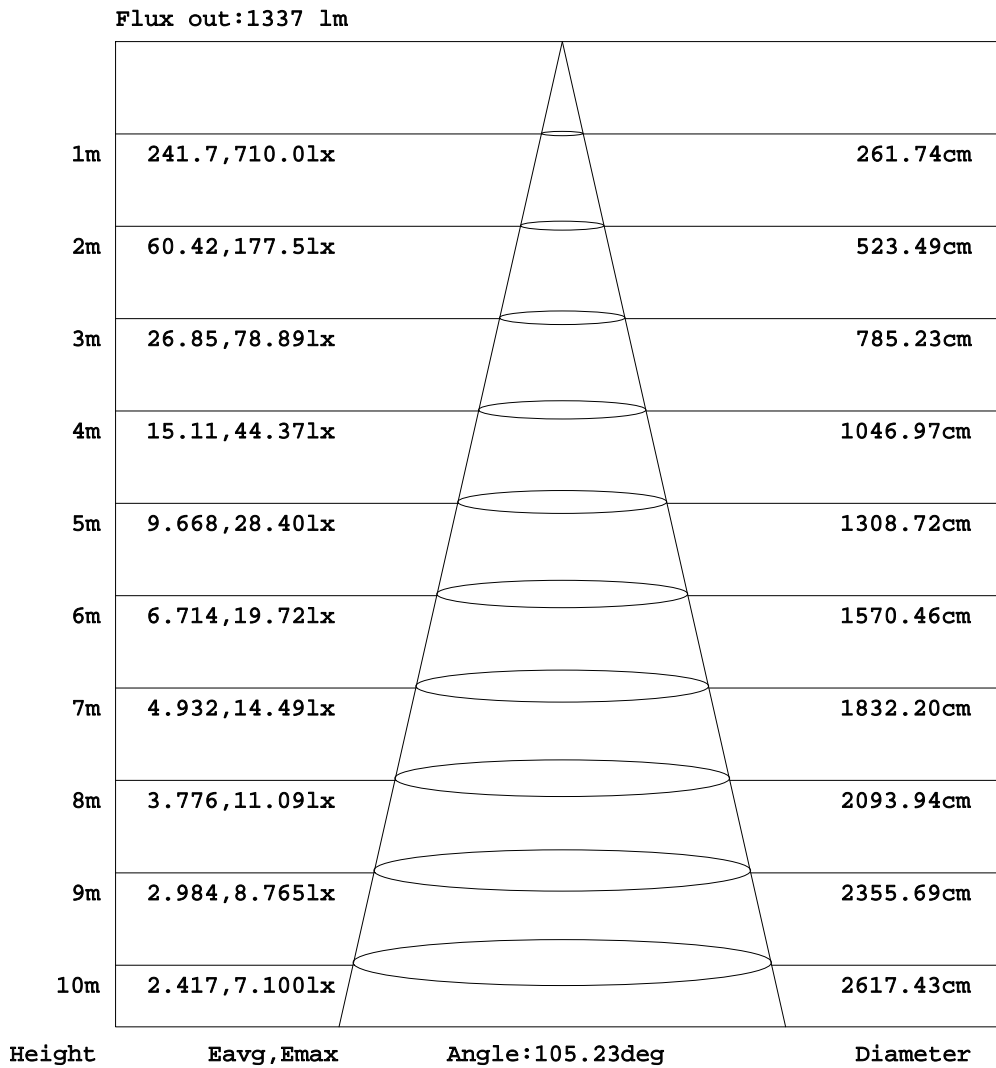
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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

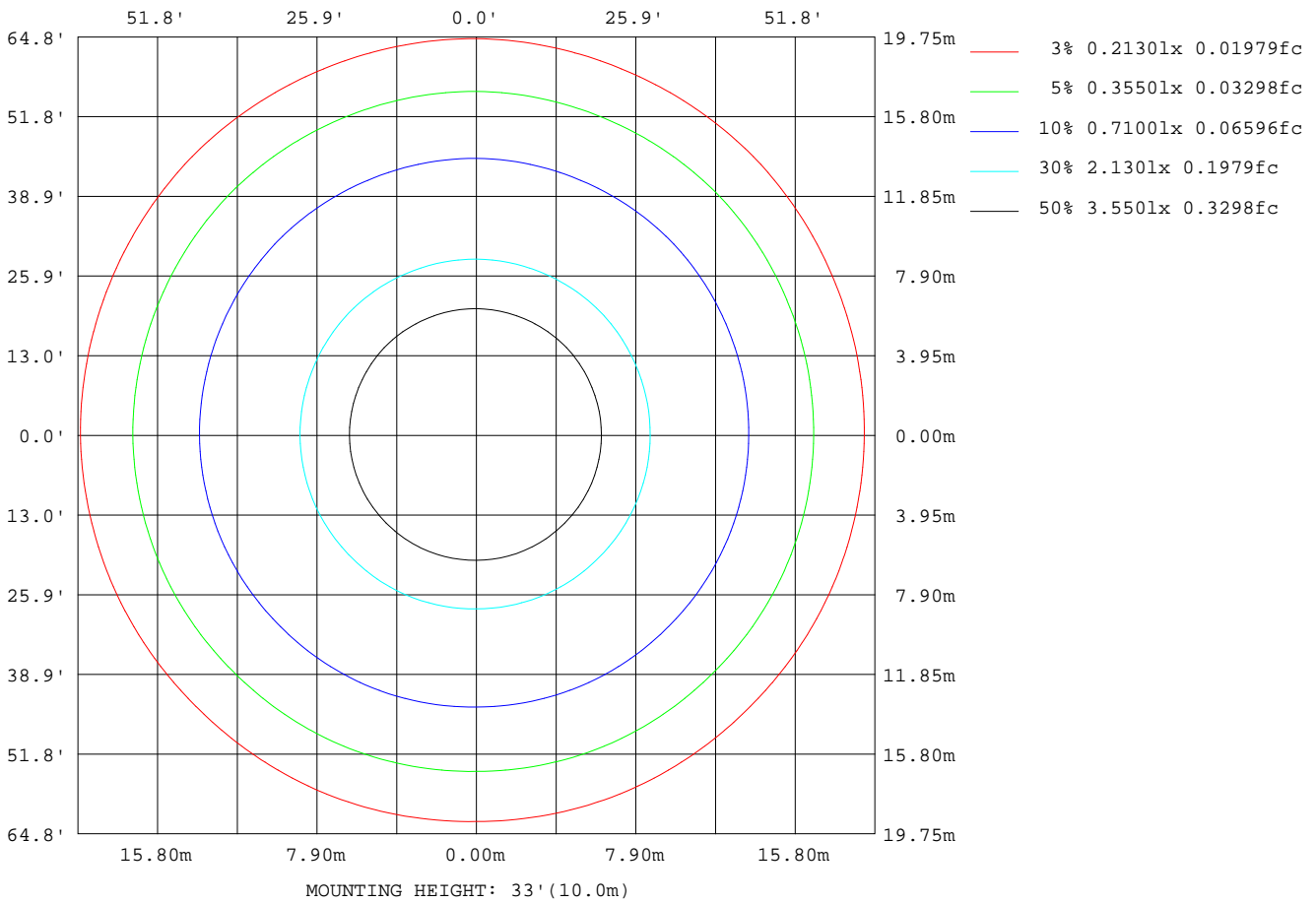
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 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:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	25658
L_0~180(75)av	14215
L_0~180(85)av	5048
L_90~270(65)av	25609
L_90~270(75)av	14280
L_90~270(85)av	5145
L_45(65)av	25622
L_45(75)av	14239
L_45(85)av	5100

Standard: GB/T 29293-2012

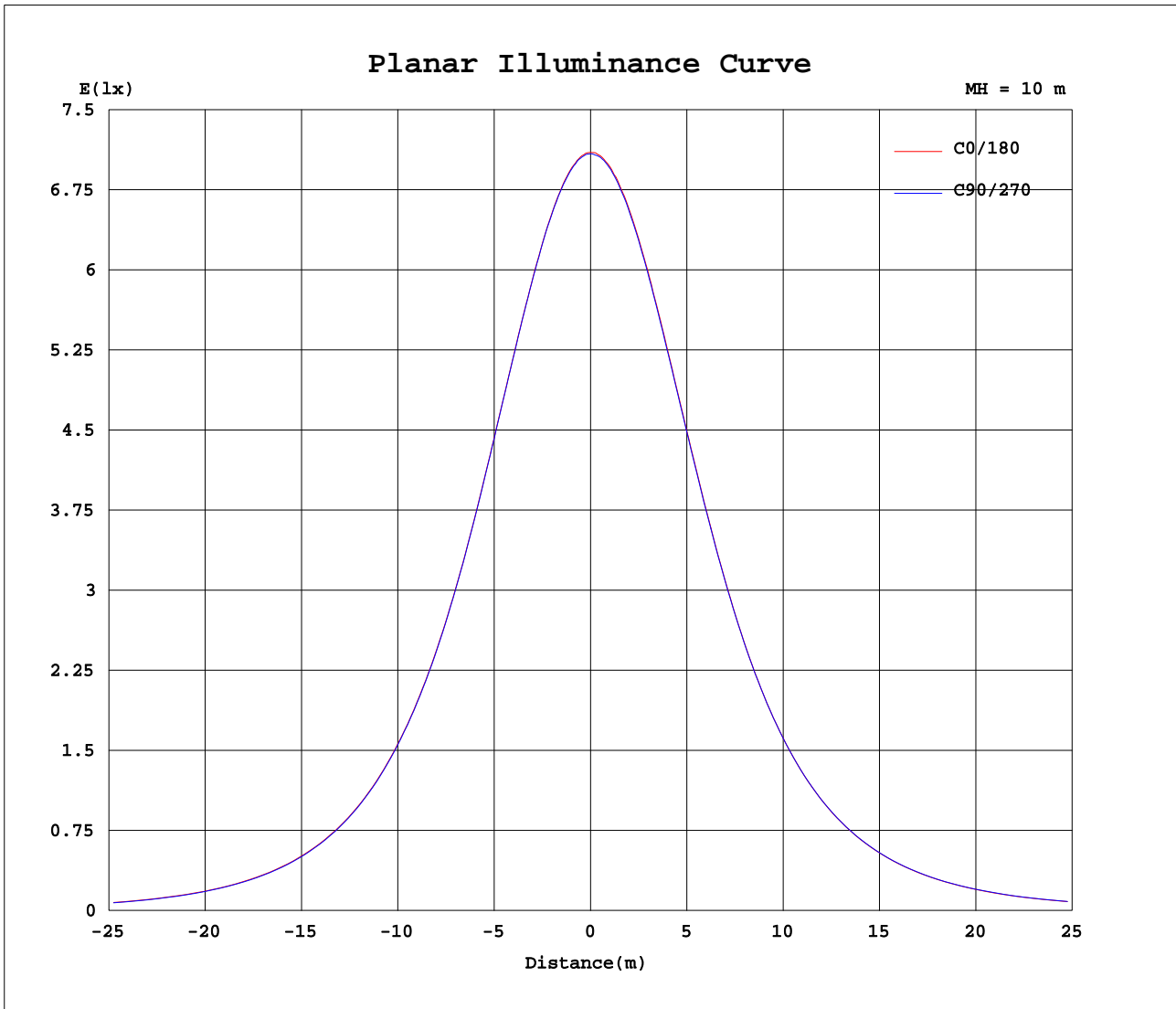
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

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:0.0661A P:15.14W PF:0.9532 Freq:50.00Hz Lamp Flux:1803.43x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

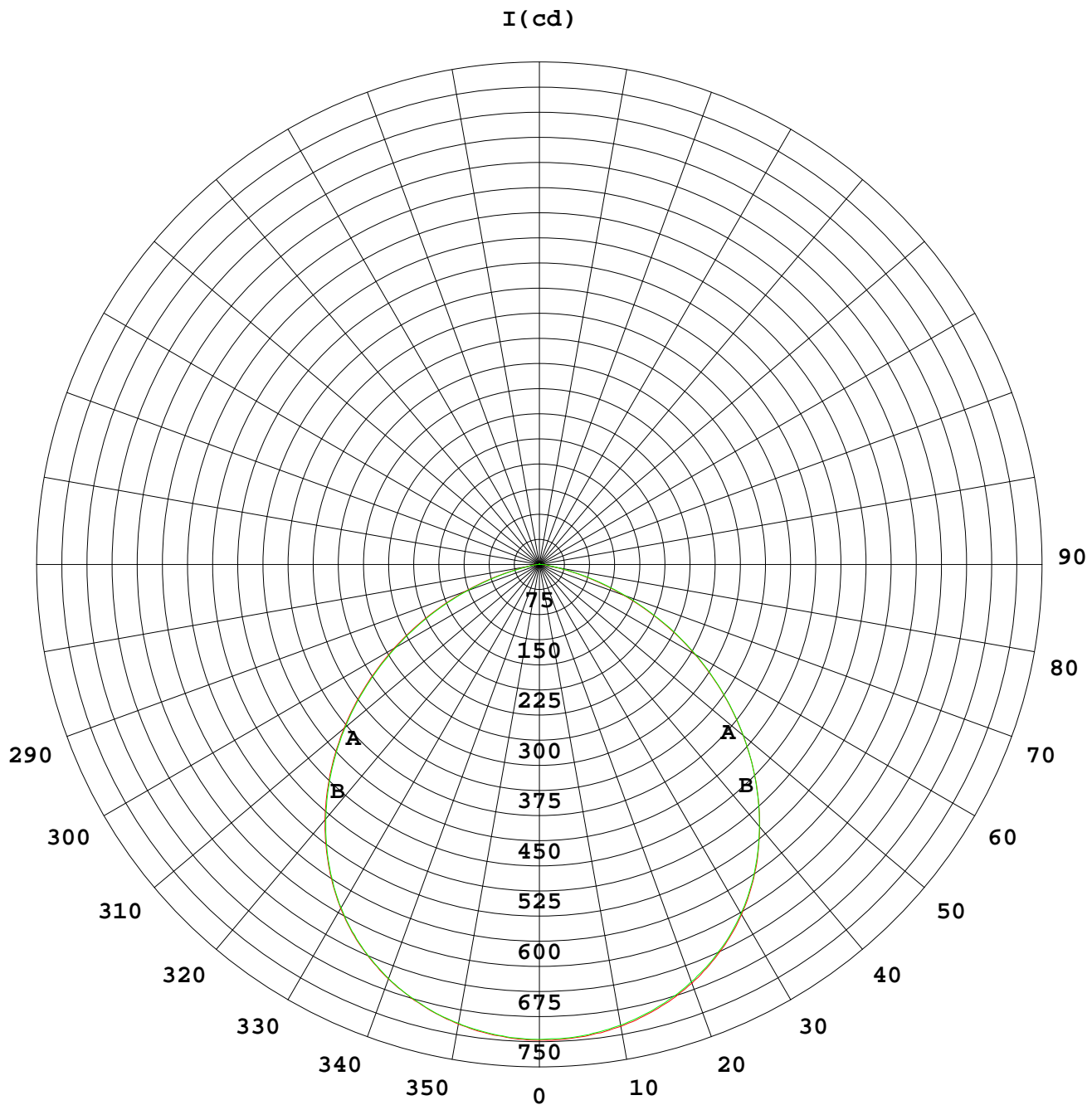
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709			
5	705	706	705	706	706	706	707	706	707	707	707	707	707	706	707	705			
10	696	696	695	696	696	697	698	698	699	699	699	698	699	697	697	696			
15	680	679	679	680	680	682	683	684	685	685	685	684	684	682	682	680			
20	658	657	656	657	658	660	661	663	664	665	665	664	663	661	661	658			
25	629	628	627	628	629	632	633	636	637	638	638	637	636	634	633	629			
30	592	591	590	592	592	596	597	600	603	604	604	603	602	599	598	593			
35	548	547	545	546	547	552	553	558	560	561	562	561	560	556	555	550			
40	497	496	493	496	496	501	503	508	511	512	514	511	511	507	505	499			
45	441	439	437	439	439	444	447	452	456	458	459	457	457	451	450	444			
50	380	378	376	378	379	384	386	393	396	398	400	398	397	392	390	383			
55	316	314	311	314	314	319	322	329	333	335	338	335	335	329	327	320			
60	250	248	245	247	247	253	255	262	267	270	272	270	269	264	261	254			
65	183	180	178	179	180	184	188	194	200	203	206	203	203	197	194	188			
70	118	115	113	114	114	119	122	128	133	137	139	138	137	132	129	123			
75	58.2	56.0	53.6	54.5	54.8	58.7	60.9	66.8	71.7	75.0	77.6	76.9	75.8	71.2	68.3	62.5			
80	17.9	18.1	16.3	17.5	16.4	19.8	18.1	22.5	24.6	25.2	27.4	26.8	26.7	23.7	23.4	19.4			
85	6.78	6.17	5.65	5.73	5.79	6.43	6.91	7.82	8.76	9.38	10.1	10.0	10.1	9.31	8.78	7.74			
90	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.07	0.19	0.63	0.47	0.43	0.11	0.05	0.06			
95	0.06	0.06	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	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
115	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14			
120	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.19	0.20	0.20	0.20	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	0.27	0.26	0.25	0.26			
130	0.28	0.27	0.27	0.29	0.28	0.28	0.27	0.27	0.32	0.32	0.33	0.34	0.34	0.33	0.32	0.32			
135	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.40	0.41	0.43	0.43	0.43	0.42	0.42	0.42			
140	0.47	0.48	0.49	0.49	0.50	0.49	0.47	0.44	0.53	0.56	0.59	0.59	0.60	0.59	0.59	0.56			
145	0.55	0.60	0.59	0.61	0.61	0.59	0.56	0.53	0.72	0.76	0.80	0.83	0.84	0.84	0.80	0.76			
150	0.62	0.68	0.68	0.67	0.67	0.65	0.63	0.58	0.92	0.96	1.02	1.06	1.07	1.06	1.03	0.99			
155	0.70	0.77	0.77	0.76	0.72	0.72	0.72	0.68	1.12	1.19	1.25	1.28	1.28	1.29	1.25	1.23			
160	0.78	0.83	0.83	0.80	0.78	0.79	0.78	0.75	1.34	1.37	1.43	1.45	1.47	1.48	1.42	1.38			
165	0.83	0.87	0.86	0.83	0.81	0.80	0.80	0.79	1.42	1.43	1.49	1.50	1.54	1.51	1.47	1.44			
170	0.89	0.91	0.91	0.84	0.81	0.80	0.81	0.84	1.42	1.41	1.41	1.40	1.42	1.40	1.40	1.39			
175	0.99	1.00	0.97	0.93	0.85	0.87	0.90	0.95	1.32	1.33	1.29	1.25	1.24	1.26	1.28	1.29			
180	1.18	1.16	1.14	1.08	1.05	1.06	1.09	1.13	1.18	1.17	1.14	1.08	1.05	1.06	1.09	1.13			

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

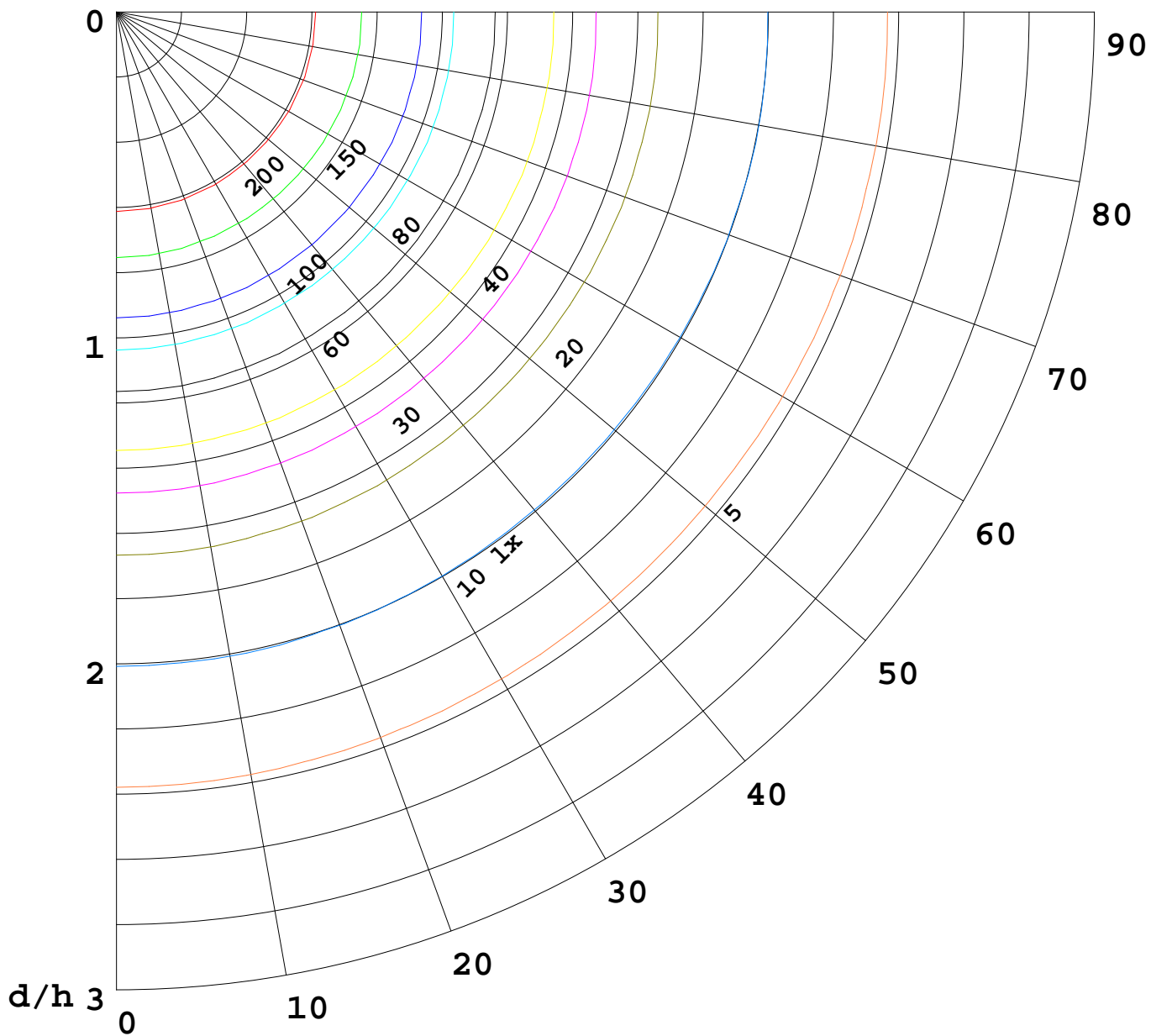
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

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

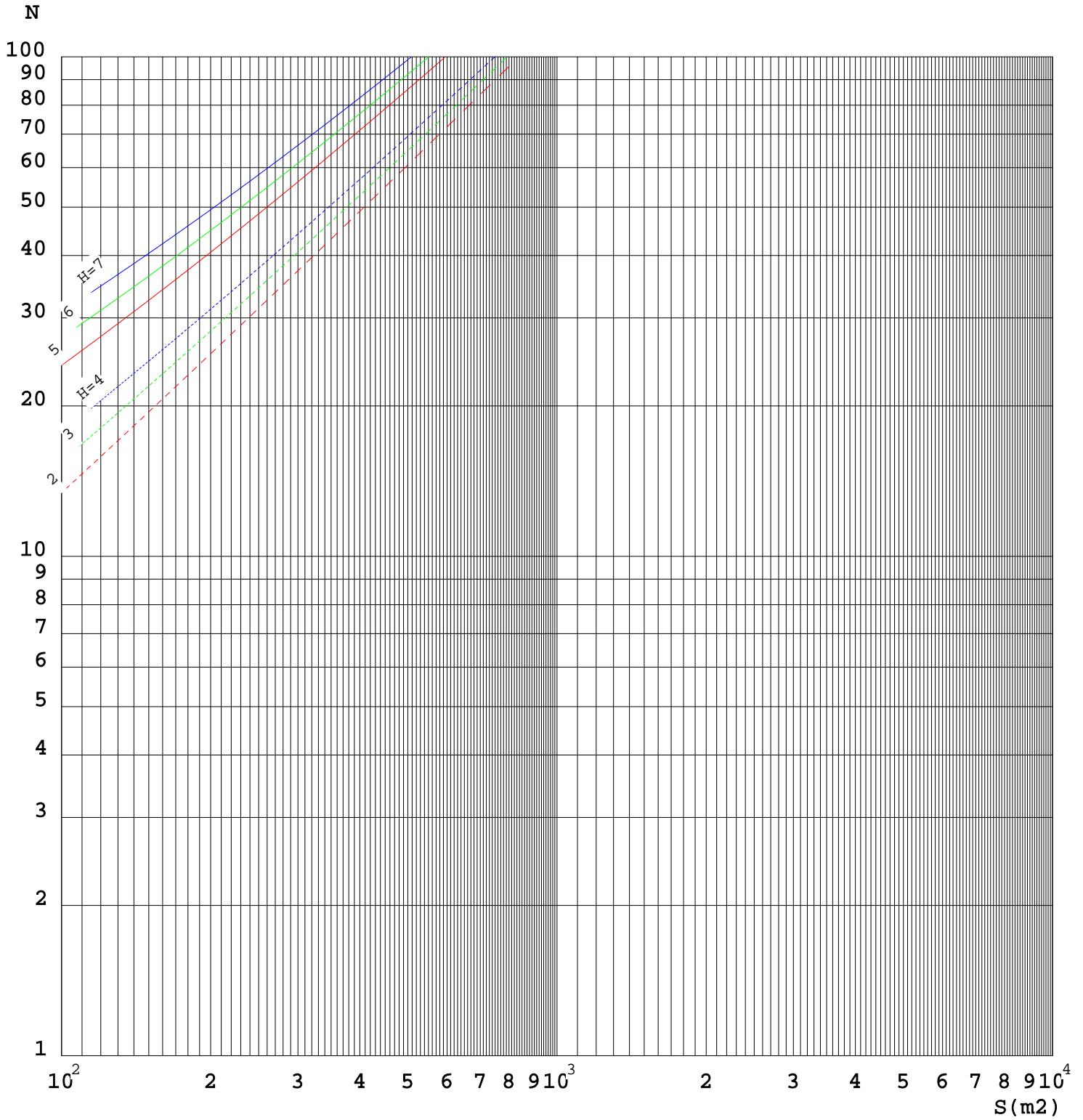


Photo documentation:

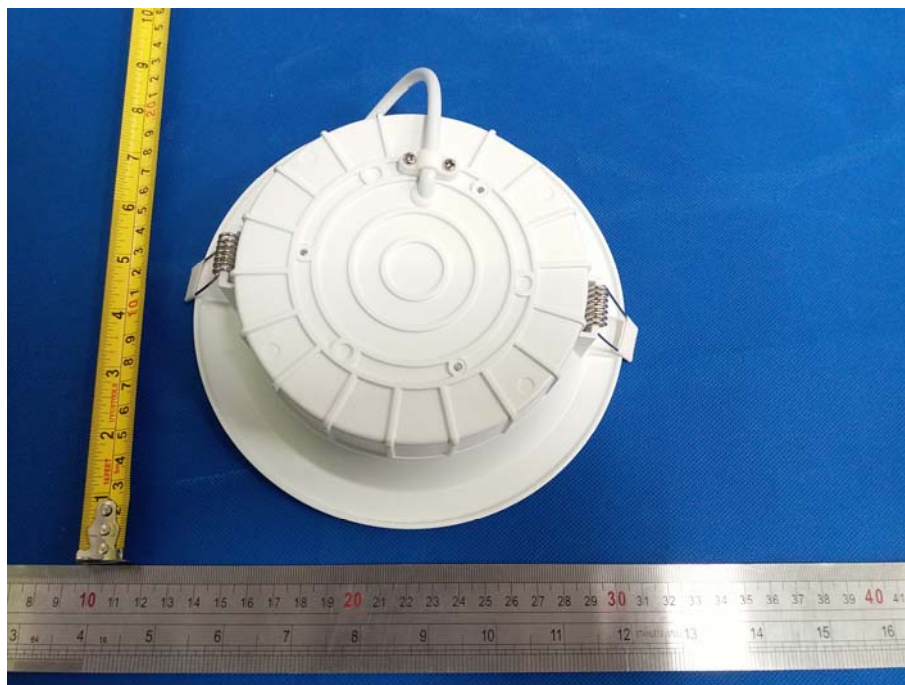
Photo 1

- 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*****