

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

LED SMD Easy fit Downlight

Model No.: IL-ED8K3D

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: TCT190122S012

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Test Report
IESNA LM 79: 2008
ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS

Report reference No TCT190122S012

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 CCATL SMT TMP

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-ED8K3D

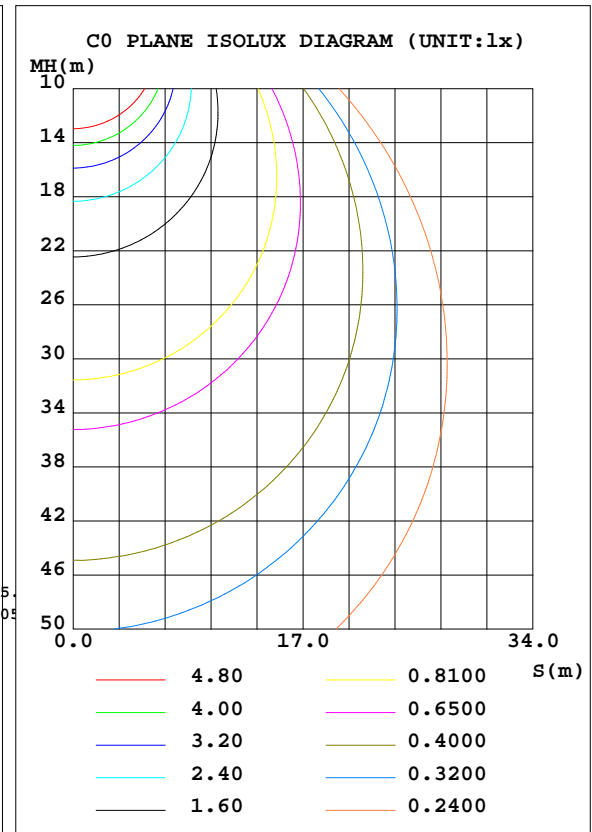
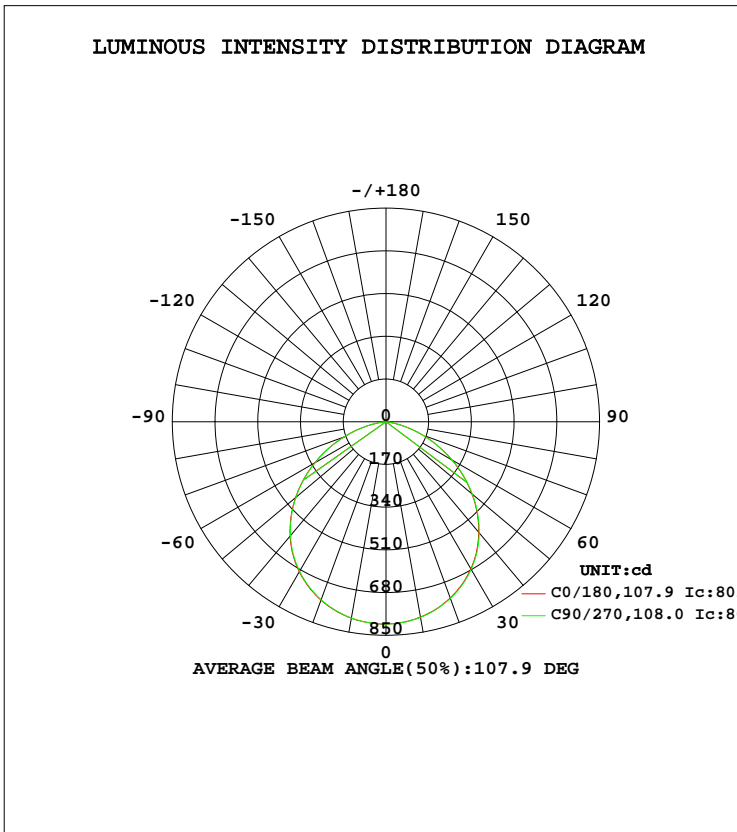
Rating 220-240VAC, 50/60Hz, 20W

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:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.75 lm/W			
MODEL	IL-ED8K3D	I _{max} (cd)	805.3	S/MH(C0/180)	1.27
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2131.1	η UP, DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	2131.07	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	789.0	788.8	790.6	792.2	793.8	794.2	793.2	791.0	0- 10	76.20	76.20	3.58,3.58
20	746.8	745.5	748.5	752.5	755.6	756.3	754.3	750.2	10- 20	218.7	294.9	13.8,13.8
30	675.5	674.2	678.0	684.1	689.7	691.1	687.4	681.7	20- 30	332.0	626.8	29.4,29.4
40	574.3	571.9	577.4	586.2	593.9	596.0	591.2	582.9	30- 40	398.3	1025	48.1,48.1
50	446.2	443.1	449.1	459.4	470.2	472.9	467.5	457.8	40- 50	403.6	1429	67,67
60	302.0	297.4	303.3	315.1	327.7	331.2	325.5	315.0	50- 60	346.3	1775	83.3,83.3
70	155.5	150.0	154.8	166.6	178.9	183.1	178.0	168.3	60- 70	237.7	2013	94.4,94.4
80	27.67	23.74	26.72	34.34	44.72	48.98	45.89	37.96	70- 80	103.9	2117	99.3,99.3
90	0.0667	0.0647	0.0669	0.0685	0.1090	0.6219	0.2965	0.0703	80- 90	11.91	2129	99.9,99.9
100	0.0926	0.0925	0.0984	0.1003	0.0878	0.0882	0.0960	0.0920	90-100	0.0882	2129	99.9,99.9
110	0.1377	0.1328	0.1435	0.1440	0.1293	0.1301	0.1343	0.1320	100-110	0.1170	2129	99.9,99.9
120	0.2267	0.2090	0.2186	0.2188	0.2217	0.2375	0.2464	0.2358	110-120	0.1753	2129	99.9,99.9
130	0.3357	0.3136	0.3343	0.3285	0.3700	0.3958	0.4033	0.3854	120-130	0.2608	2129	99.9,99.9
140	0.5429	0.5675	0.5804	0.5513	0.6125	0.6888	0.6967	0.6919	130-140	0.3630	2130	99.9,99.9
150	0.7101	0.7758	0.7786	0.7139	1.058	1.184	1.218	1.194	140-150	0.4918	2130	100,100
160	0.9003	0.9635	0.9006	0.9011	1.539	1.646	1.684	1.640	150-160	0.5162	2131	100,100
170	1.025	1.046	0.9431	0.9457	1.618	1.624	1.617	1.614	160-170	0.3703	2131	100,100
180	1.347	1.303	1.205	1.250	1.350	1.306	1.206	1.252	170-180	0.1222	2131	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1230.3 lm

%lum = 57.7%
%lamp = 57.7%

Conical surface Flux(120deg): 1775.1 lm

%lum = 83.3%
%lamp = 83.3%

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

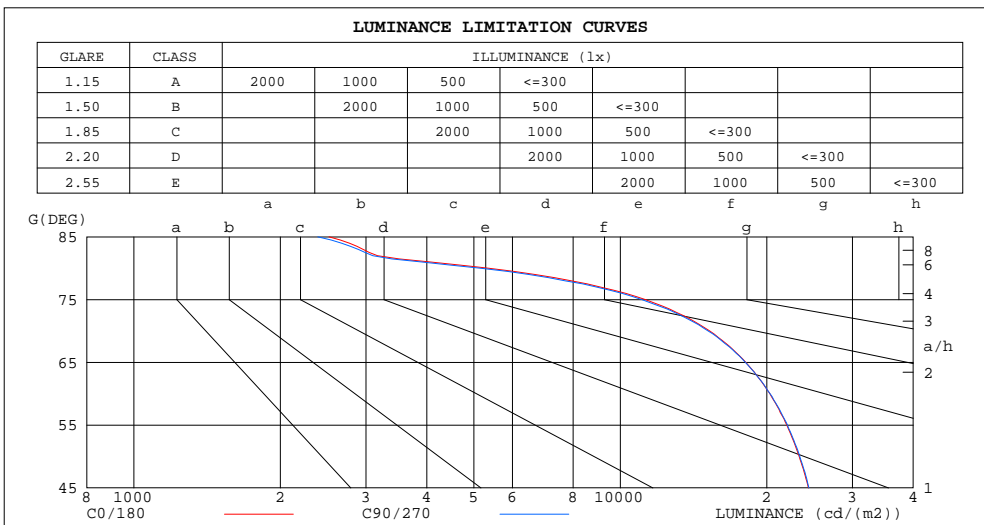
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2519	2389
80	5352	5152
75	11254	11070
70	15265	15150
65	18106	18078
60	20288	20308
55	21985	22051
50	23310	23390
45	24360	24420

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

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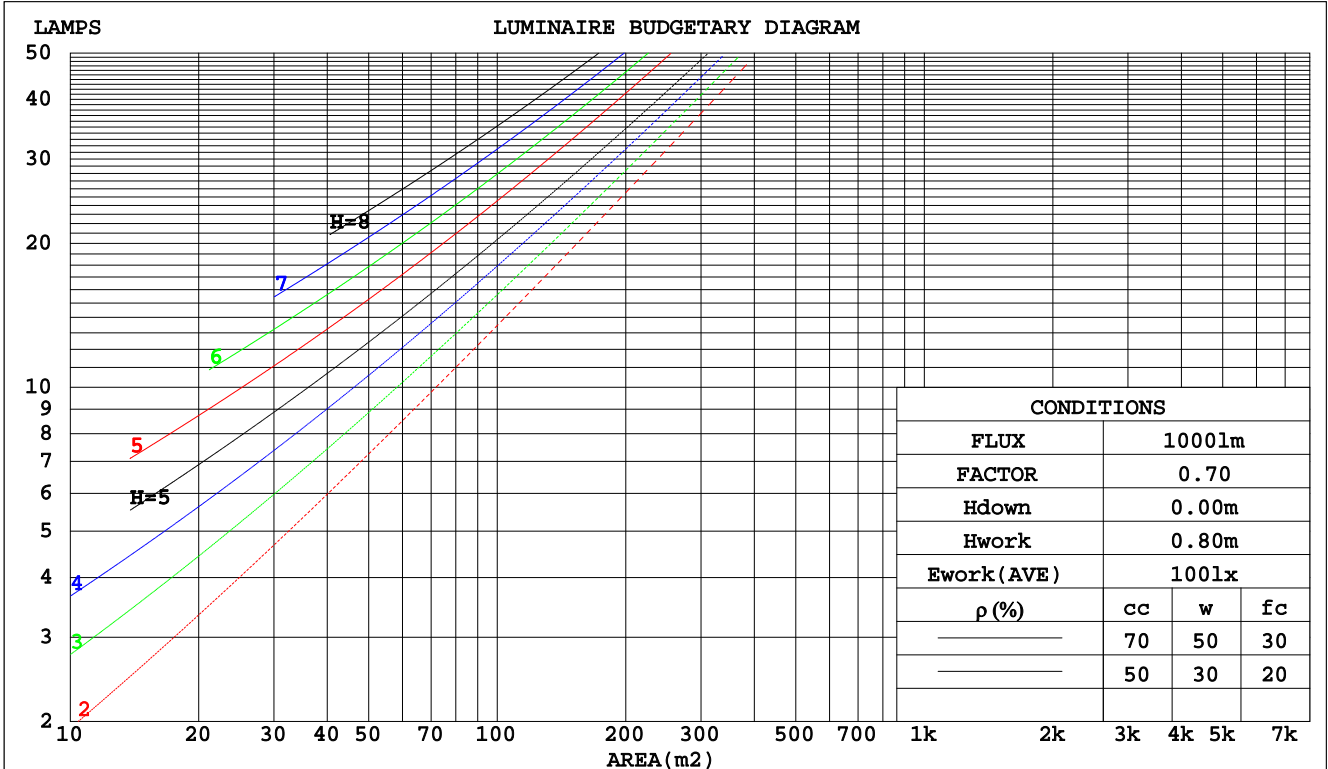
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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%	
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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.72	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.58	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
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γ Range: 0 - 180DEG
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Humidity: 60.5%
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Checker: Near Gao

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WEC AND CCEC

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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	.282	.160	.051	.275	.157	.050	.262	.150	.048	.249	.144	.046	.238	.138	.045	
2.0	.272	.149	.046	.266	.147	.045	.255	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.231	.126	.039	.222	.123	.038	
4.0	.238	.124	.036	.234	.122	.036	.225	.119	.036	.216	.116	.035	.208	.113	.034	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.189	.098	.029	.183	.096	.029	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.168	.082	.023	.163	.080	.023	.158	.079	.023	.153	.078	.022	
10.0	.161	.077	.021	.158	.076	.021	.154	.075	.021	.149	.074	.021	.145	.073	.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	.137	.153	.135	.118	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.171	.133	.101	.146	.114	.088	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.139	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.061	.133	.088	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.043	.087	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.121	.072	.036	.084	.050	.025	.048	.030	.015	.016	.010	.005	
7.0	.134	.076	.035	.116	.066	.030	.080	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.030	.110	.061	.026	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.027	.105	.057	.023	.073	.040	.016	.042	.023	.010	.014	.008	.003	
10.0	.117	.061	.024	.101	.053	.021	.070	.037	.015	.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:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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	20.8	22.3	21.1	22.5	22.7	20.8	22.3	21.1	22.5	22.7
3H	21.9	23.2	22.1	23.4	23.7	21.9	23.2	22.2	23.4	23.7
4H	22.1	23.4	22.4	23.7	23.9	22.1	23.4	22.4	23.7	23.9
6H	22.2	23.4	22.5	23.6	23.9	22.2	23.4	22.5	23.6	23.9
8H	22.1	23.3	22.5	23.6	23.9	22.1	23.3	22.5	23.6	23.9
12H	22.1	23.2	22.4	23.5	23.8	22.1	23.2	22.4	23.5	23.8
4H 2H	21.3	22.5	21.6	22.8	23.0	21.3	22.6	21.6	22.8	23.1
3H	22.4	23.6	22.8	23.9	24.2	22.5	23.6	22.8	23.9	24.2
4H	22.8	23.8	23.2	24.1	24.5	22.8	23.8	23.2	24.1	24.5
6H	22.9	23.8	23.3	24.1	24.5	22.9	23.8	23.3	24.1	24.5
8H	22.8	23.7	23.3	24.0	24.4	22.8	23.7	23.3	24.0	24.4
12H	22.8	23.6	23.2	24.0	24.4	22.8	23.6	23.2	24.0	24.4
8H 4H	22.9	23.7	23.3	24.1	24.4	22.9	23.7	23.3	24.1	24.4
6H	23.0	23.7	23.4	24.1	24.5	23.0	23.7	23.4	24.1	24.5
8H	23.0	23.6	23.4	24.0	24.4	23.0	23.6	23.4	24.0	24.4
12H	22.9	23.5	23.4	23.9	24.4	22.9	23.5	23.4	23.9	24.4
12H 4H	22.8	23.6	23.2	24.0	24.4	22.8	23.6	23.2	24.0	24.4
6H	22.9	23.6	23.4	24.0	24.4	22.9	23.5	23.4	24.0	24.4
8H	22.9	23.5	23.4	23.9	24.4	22.9	23.5	23.4	23.9	24.4
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 / - 0.4				
2.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.5				

CIE Pub.117, 2131 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.6)

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Humidity:60.5%
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Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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	59	48	41	59	48	41	57	47	41	35
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	85	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
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

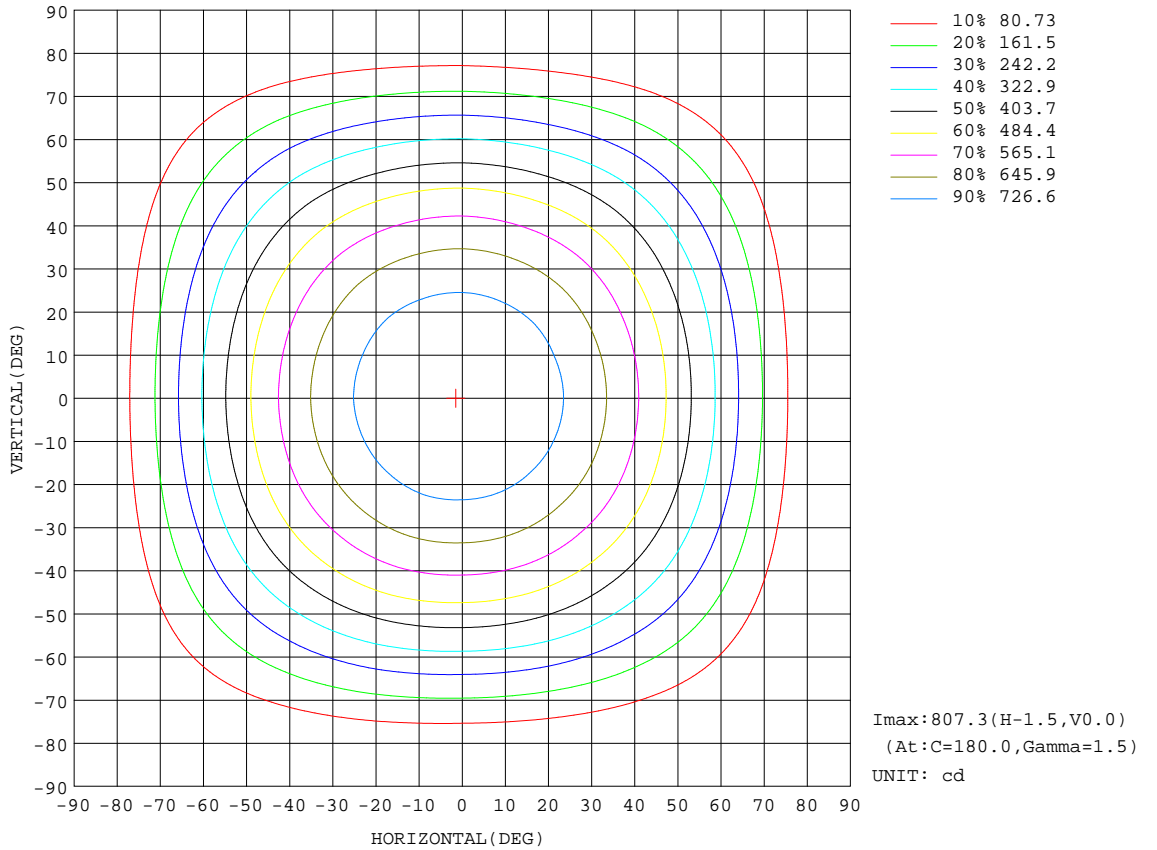
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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

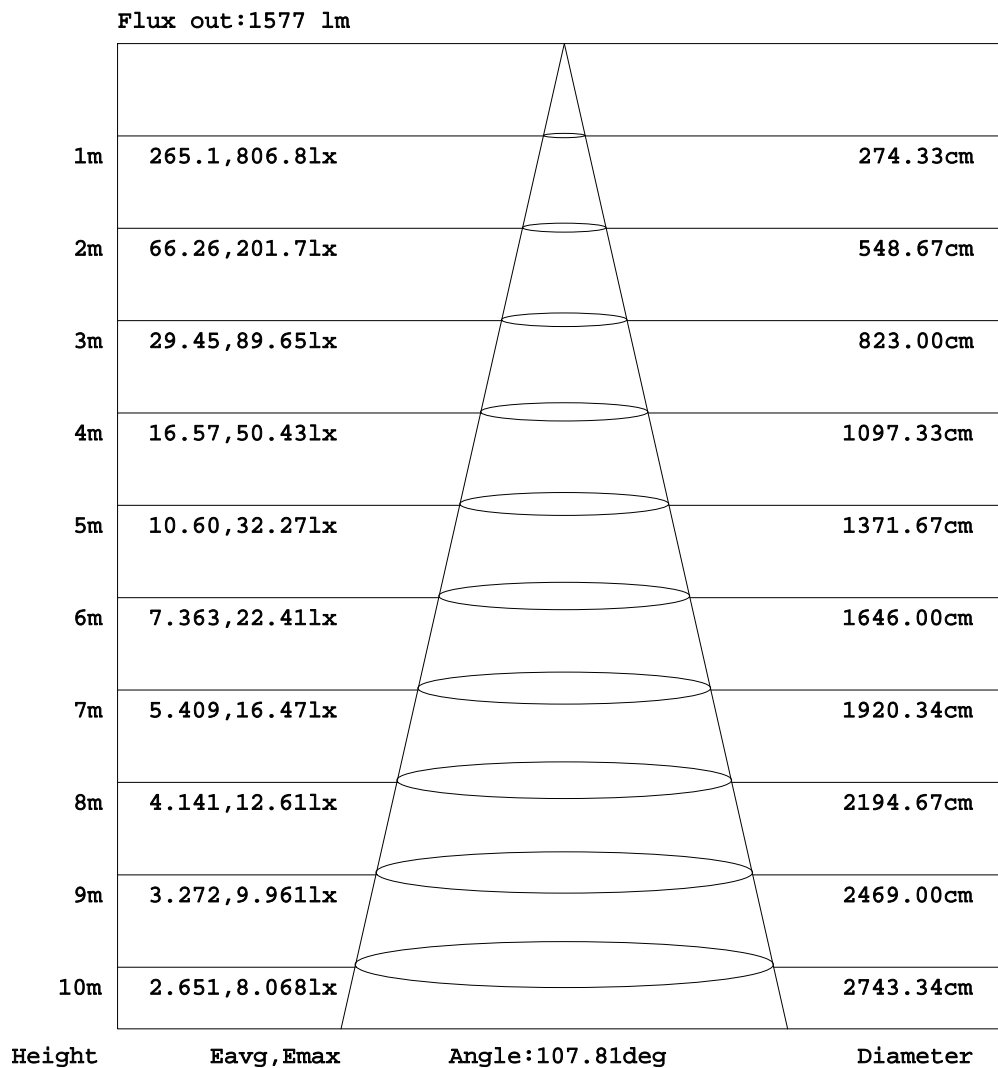
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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

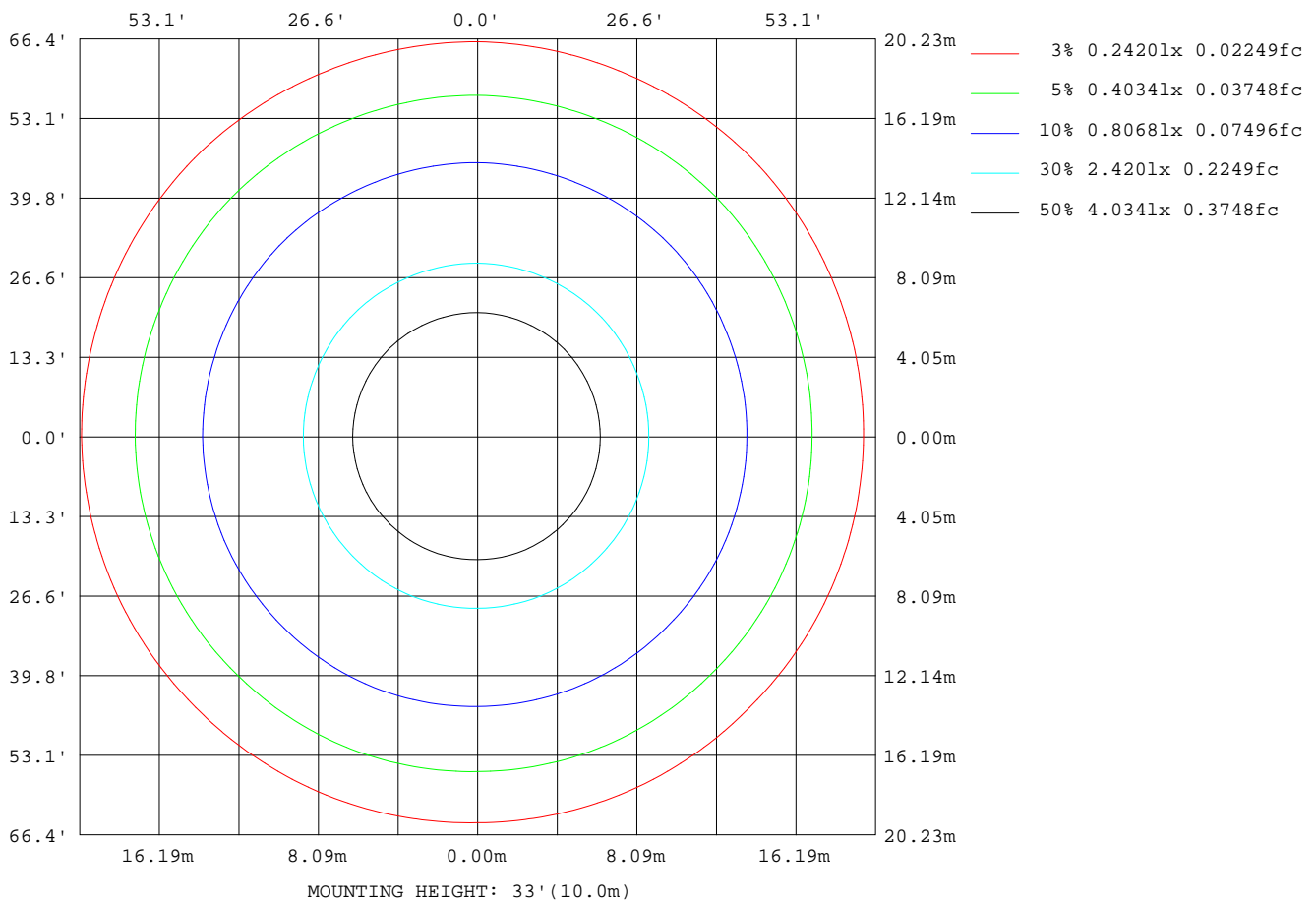
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 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:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	19070
L_0~180(75)av	12626
L_0~180(85)av	3188
L_90~270(65)av	19030
L_90~270(75)av	12580
L_90~270(85)av	3152
L_45(65)av	19052
L_45(75)av	12615
L_45(85)av	3166

Standard: GB/T 29293-2012

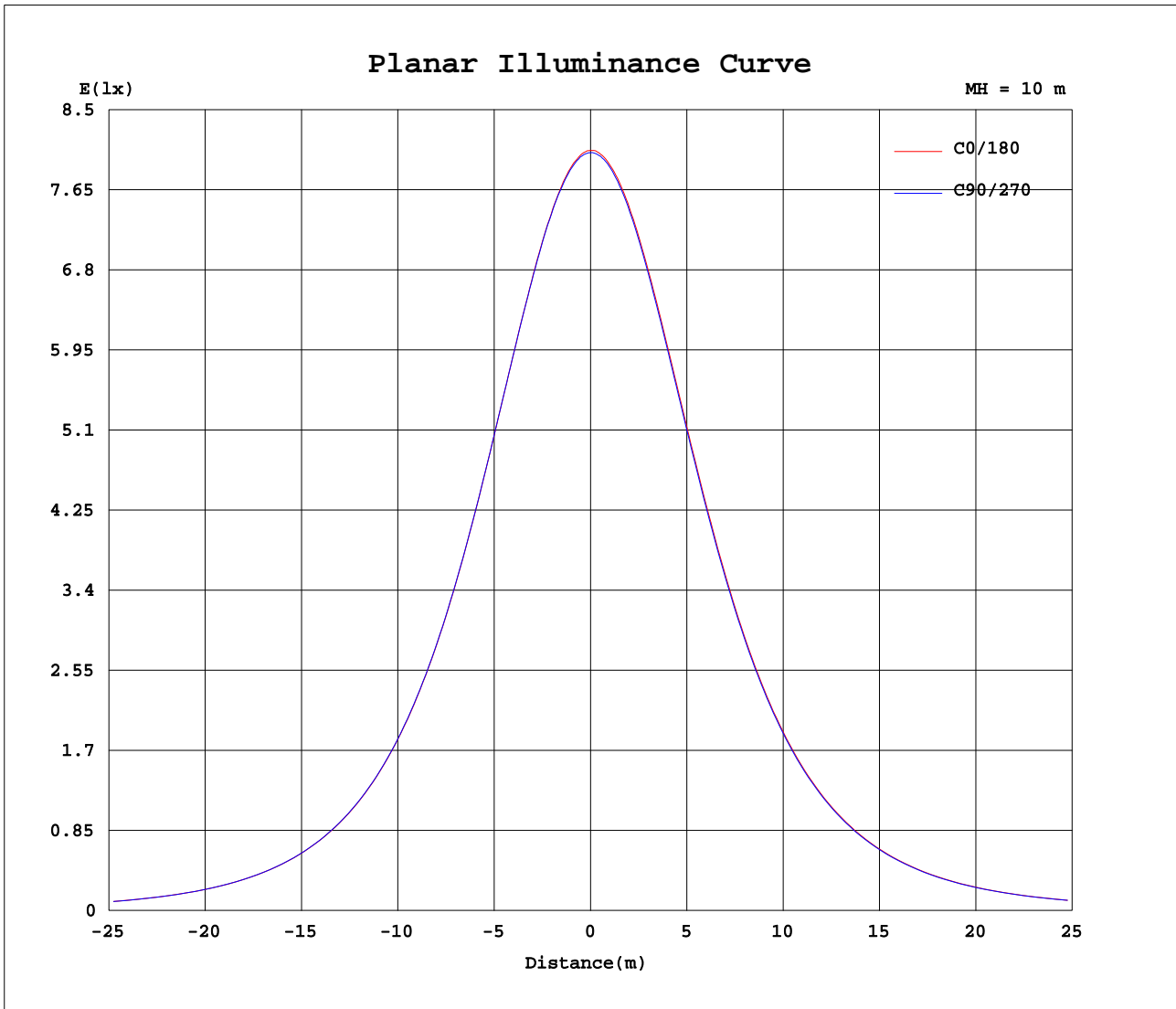
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

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:0.0827A P:19.42W PF:0.9778 Freq:50.00Hz Lamp Flux:2131.07x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

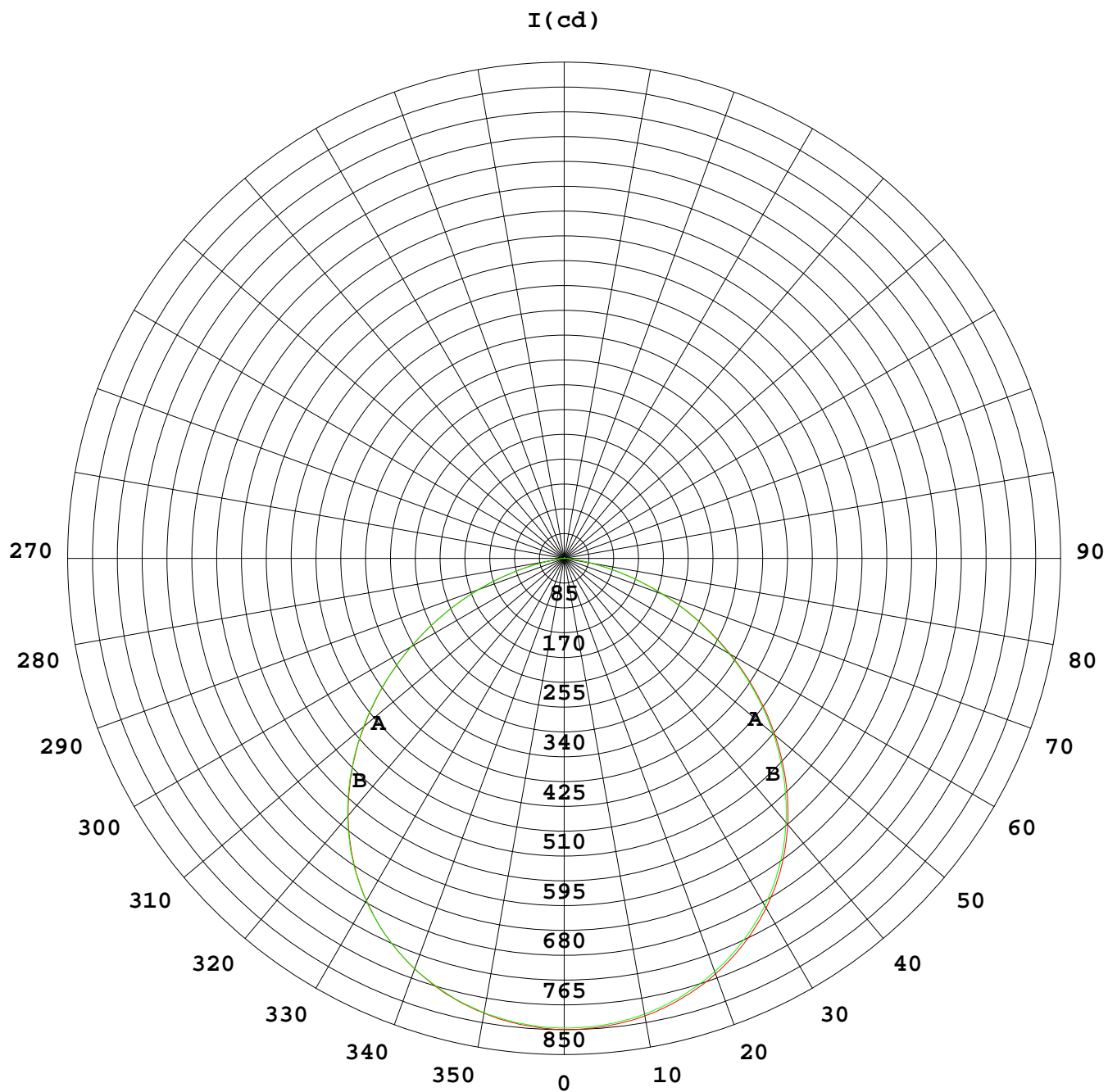
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805			
5	801	801	801	800	801	802	802	803	803	803	803	802	803	801	801	801			
10	789	789	789	790	791	792	792	793	794	794	794	793	793	792	791	790			
15	772	771	771	772	773	775	775	778	778	778	778	777	777	775	774	772			
20	747	746	745	748	749	751	752	755	756	756	756	755	754	751	750	748			
25	715	714	714	716	717	721	722	725	726	727	727	725	724	721	720	716			
30	675	675	674	677	678	683	684	688	690	690	691	688	687	683	682	677			
35	629	628	627	630	632	636	639	644	646	646	647	644	643	638	636	631			
40	574	573	572	576	577	583	586	591	594	595	596	592	591	586	583	577			
45	513	511	510	514	516	522	525	532	535	536	537	533	532	526	523	517			
50	446	445	443	447	449	456	459	467	470	471	473	469	468	461	458	451			
55	375	374	372	375	378	385	389	396	400	402	404	399	398	391	388	381			
60	302	300	297	301	303	311	315	323	328	329	331	327	325	319	315	307			
65	228	226	223	226	228	236	240	248	253	255	257	253	252	245	241	234			
70	155	152	150	153	155	162	167	173	179	182	183	180	178	172	168	161			
75	86.7	83.5	82.0	83.5	85.6	91.7	95.9	103	108	111	113	110	109	103	99.0	92.3			
80	27.7	27.0	23.7	27.0	26.7	31.5	34.3	39.9	44.7	47.0	49.0	47.0	45.9	41.0	38.0	32.3			
85	6.54	6.03	5.66	5.93	6.22	7.12	7.88	9.01	10.0	10.6	10.9	10.5	10.2	9.24	8.53	7.47			
90	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.05	0.11	0.25	0.62	0.38	0.30	0.10	0.07	0.08			
95	0.08	0.07	0.08	0.07	0.08	0.08	0.08	0.07	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08			
100	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09			
105	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.11	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.10			
110	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13			
115	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.18	0.17	0.18	0.18	0.17			
120	0.23	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.24	0.24	0.25	0.25	0.24	0.24	0.23			
125	0.28	0.27	0.26	0.27	0.27	0.27	0.27	0.27	0.29	0.31	0.32	0.33	0.32	0.32	0.31	0.31			
130	0.34	0.33	0.31	0.34	0.33	0.33	0.33	0.32	0.37	0.38	0.40	0.41	0.40	0.40	0.39	0.38			
135	0.44	0.44	0.42	0.43	0.44	0.43	0.43	0.41	0.47	0.49	0.50	0.52	0.51	0.50	0.50	0.50			
140	0.54	0.56	0.57	0.56	0.58	0.57	0.55	0.52	0.61	0.65	0.69	0.70	0.70	0.69	0.69	0.66			
145	0.64	0.69	0.68	0.71	0.70	0.69	0.66	0.62	0.83	0.87	0.91	0.96	0.97	0.96	0.92	0.89			
150	0.71	0.79	0.78	0.79	0.78	0.76	0.71	0.67	1.06	1.10	1.18	1.21	1.22	1.21	1.19	1.14			
155	0.80	0.89	0.89	0.87	0.82	0.82	0.83	0.79	1.29	1.37	1.44	1.48	1.46	1.47	1.43	1.42			
160	0.90	0.96	0.96	0.92	0.90	0.91	0.90	0.87	1.54	1.58	1.65	1.67	1.68	1.69	1.64	1.59			
165	0.95	1.01	0.99	0.95	0.93	0.93	0.92	0.92	1.63	1.65	1.71	1.72	1.77	1.72	1.69	1.65			
170	1.03	1.05	1.05	0.96	0.94	0.93	0.95	0.98	1.62	1.61	1.62	1.61	1.62	1.61	1.61	1.59			
175	1.14	1.16	1.13	1.06	0.97	1.00	1.03	1.09	1.52	1.52	1.48	1.42	1.43	1.44	1.46	1.47			
180	1.35	1.34	1.30	1.24	1.21	1.21	1.25	1.29	1.35	1.34	1.31	1.24	1.21	1.22	1.25	1.29			

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

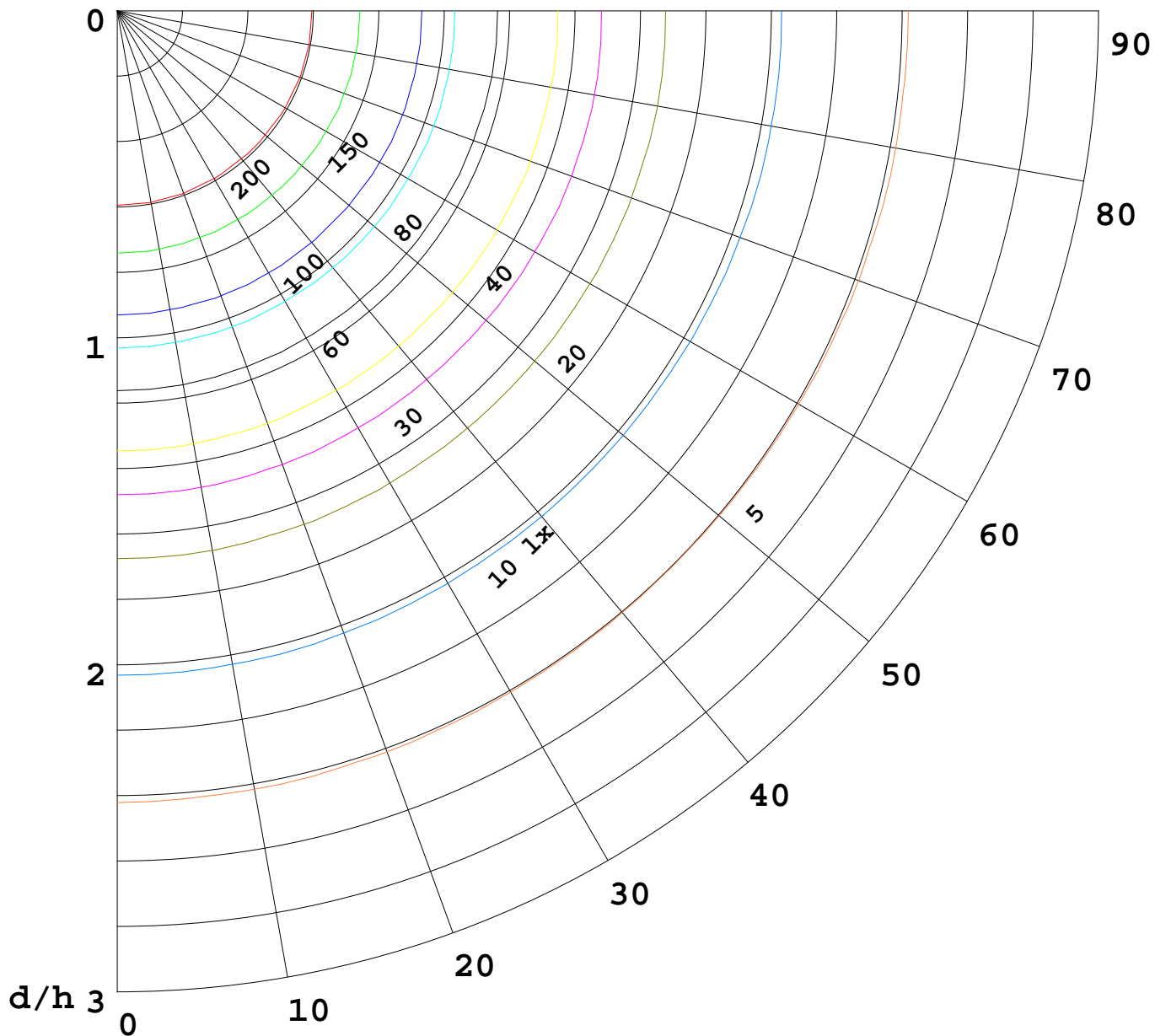
Checker: Near Gao

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

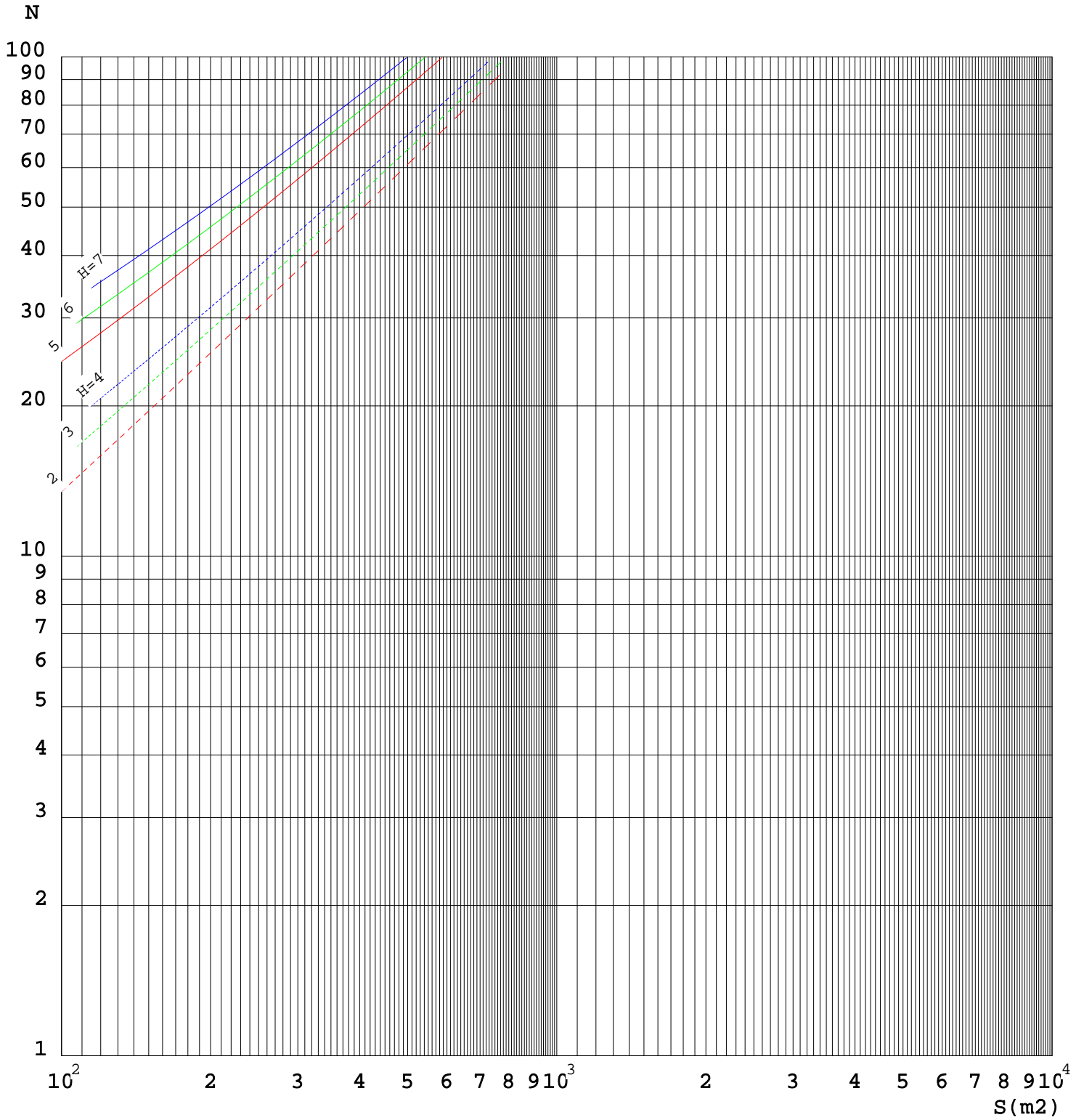


Photo documentation:

Photo 1

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

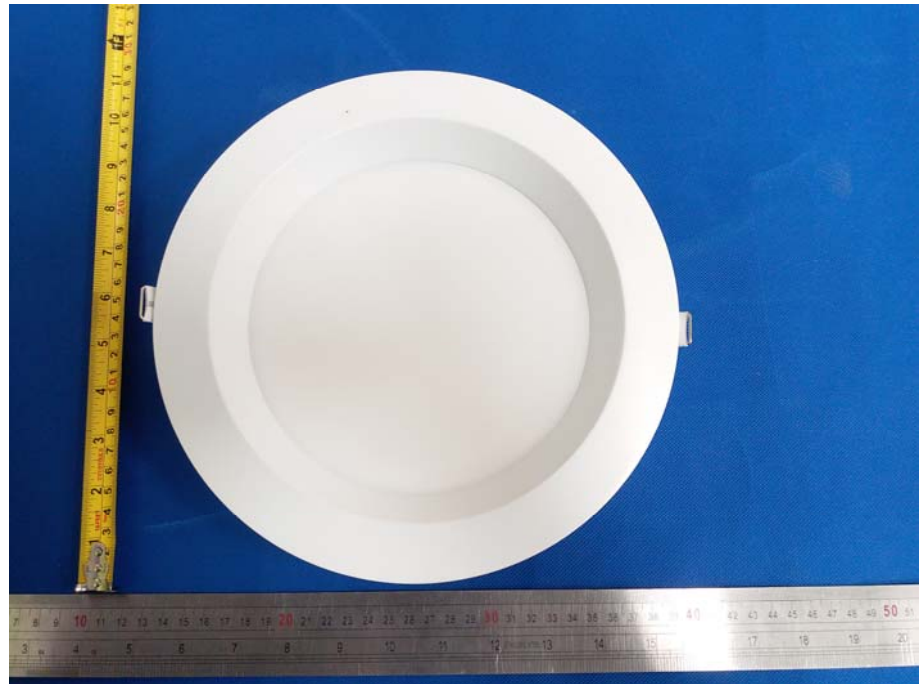
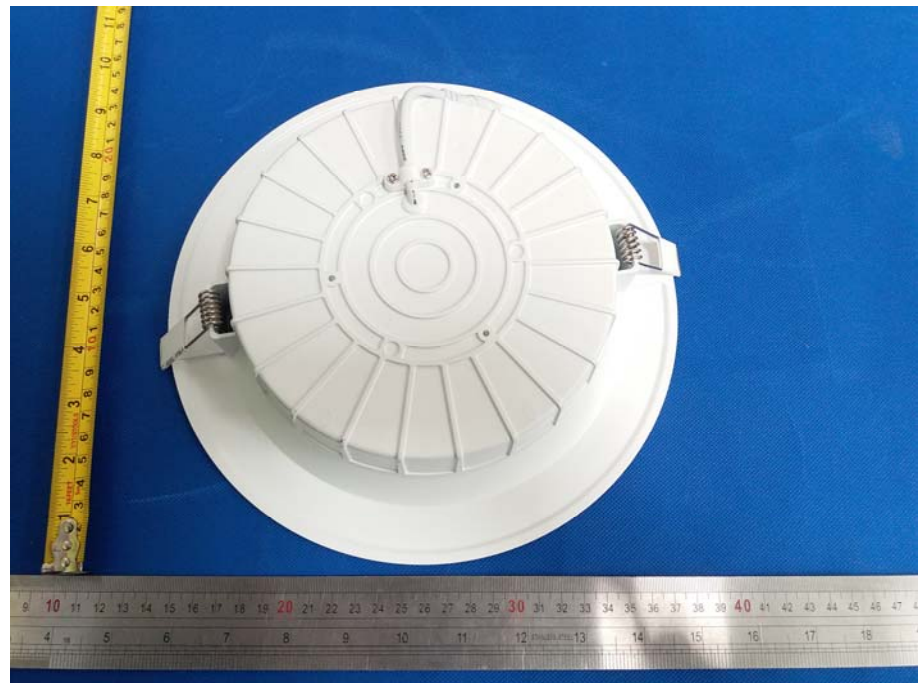


Photo 2

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



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