

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

LED DOB Floodlight

Model No.: IL-FB230WK4

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. 25, to Feb. 11, 2019

Date of Report: Feb. 11, 2019

Report Number: TCT190125S014

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<p>Test Report IESNA LM 79: 2008 ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS</p>	
Report reference No	TCT190125S014
Tested by (+ signature)	Moon Ding
Approved by (+ signature)	Thomas
Date of issue	Feb. 11, 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 DOB Floodlight
Trademark	
Model and/or type reference	IL-FB230WK4
Rating	220-240VAC, 50/60Hz, 30W

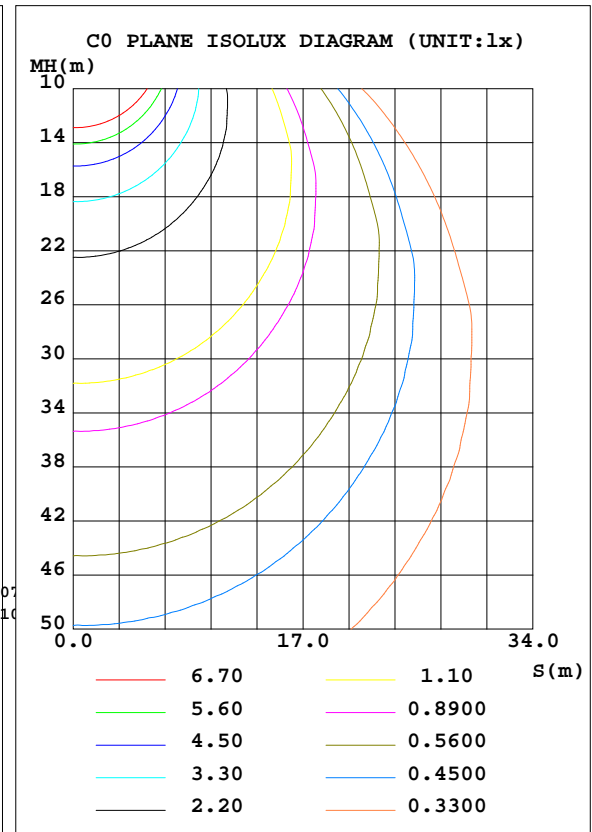
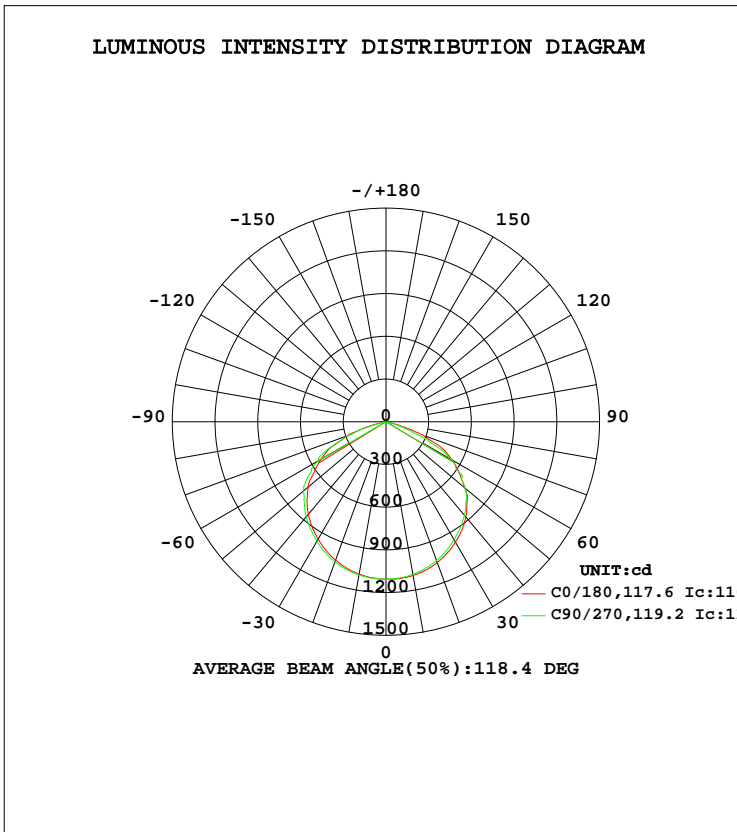


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		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:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.04 lm/W			
MODEL	IL-FB230WK4	I _{max} (cd)	1107	S/MH(C0/180)	1.28
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	3176.8	η UP, DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	3176.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.7
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	240	η down(%)	99.9	CIBSE SHR MAX	1.50



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	1096	1093	1089	1086	1086	1090	1093	1096	0- 10	104.9	104.9	3.3,3.3
20	1052	1046	1038	1034	1035	1041	1048	1054	10- 20	302.6	407.5	12.8,12.8
30	975.7	965.9	956.1	949.9	952.7	960.5	970.2	977.6	20- 30	464.5	872.0	27.4,27.4
40	872.2	853.9	857.3	836.8	847.8	850.4	872.5	868.7	30- 40	572.2	1444	45.5,45.5
50	723.0	731.1	725.5	714.8	714.1	727.1	758.8	744.0	40- 50	615.2	2059	64.8,64.8
60	534.7	549.1	522.4	558.5	526.9	586.9	552.9	593.9	50- 60	575.4	2635	82.9,82.9
70	279.9	310.0	168.4	319.6	287.6	360.0	255.6	343.5	60- 70	420.8	3056	96.2,96.2
80	2.246	2.118	2.552	3.337	3.934	4.527	4.249	5.007	70- 80	116.6	3172	99.9,99.9
90	0.0868	0.0874	0.0767	0.0843	0.0865	0.1006	0.1053	0.0890	80- 90	1.011	3173	99.9,99.9
100	0.1371	0.1426	0.1410	0.1419	0.1284	0.1299	0.1214	0.1322	90-100	0.1172	3173	99.9,99.9
110	0.2125	0.2037	0.2118	0.2105	0.1861	0.1906	0.1838	0.1841	100-110	0.1707	3174	99.9,99.9
120	0.3462	0.3163	0.3211	0.3258	0.3505	0.3552	0.3548	0.3321	110-120	0.2588	3174	99.9,99.9
130	0.5044	0.4649	0.4850	0.4907	0.5705	0.5795	0.5690	0.5343	120-130	0.3838	3174	99.9,99.9
140	0.7861	0.8105	0.8258	0.8020	0.9030	0.9857	0.9739	0.9652	130-140	0.5264	3175	99.9,99.9
150	1.001	1.094	1.080	1.029	1.515	1.665	1.707	1.649	140-150	0.6961	3175	100,100
160	1.261	1.330	1.232	1.253	2.170	2.288	2.321	2.265	150-160	0.7214	3176	100,100
170	1.441	1.441	1.300	1.309	2.266	2.237	2.250	2.231	160-170	0.5140	3177	100,100
180	1.886	1.816	1.683	1.752	1.888	1.817	1.682	1.753	170-180	0.1700	3177	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1750.9 lm

%lum = 55.1%
%lamp = 55.1%

Conical surface Flux(120deg): 2634.8 lm

%lum = 82.9%
%lamp = 82.9%

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

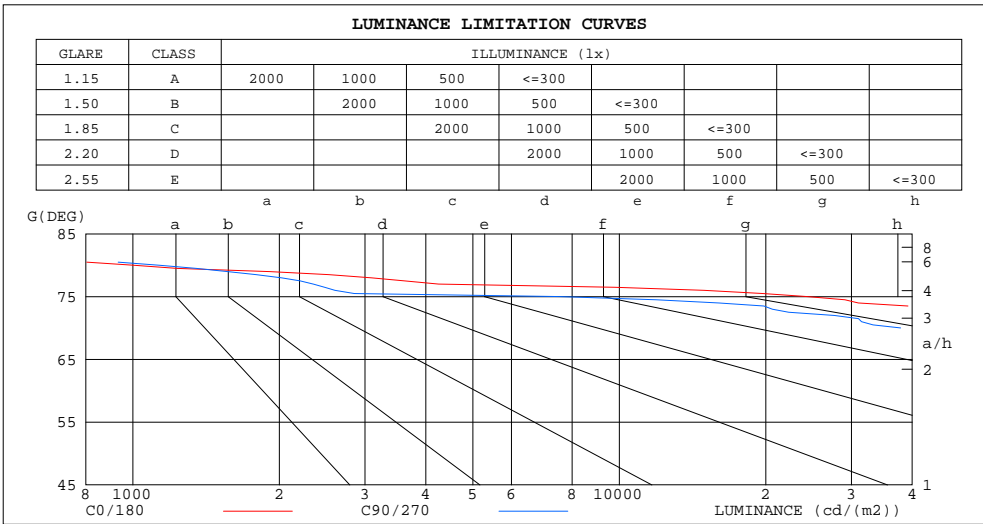
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	687	339
80	1001	1129
75	24301	7522
70	63337	37851
65	78154	62179
60	82768	80305
55	84935	86768
50	87057	86748
45	88169	86214

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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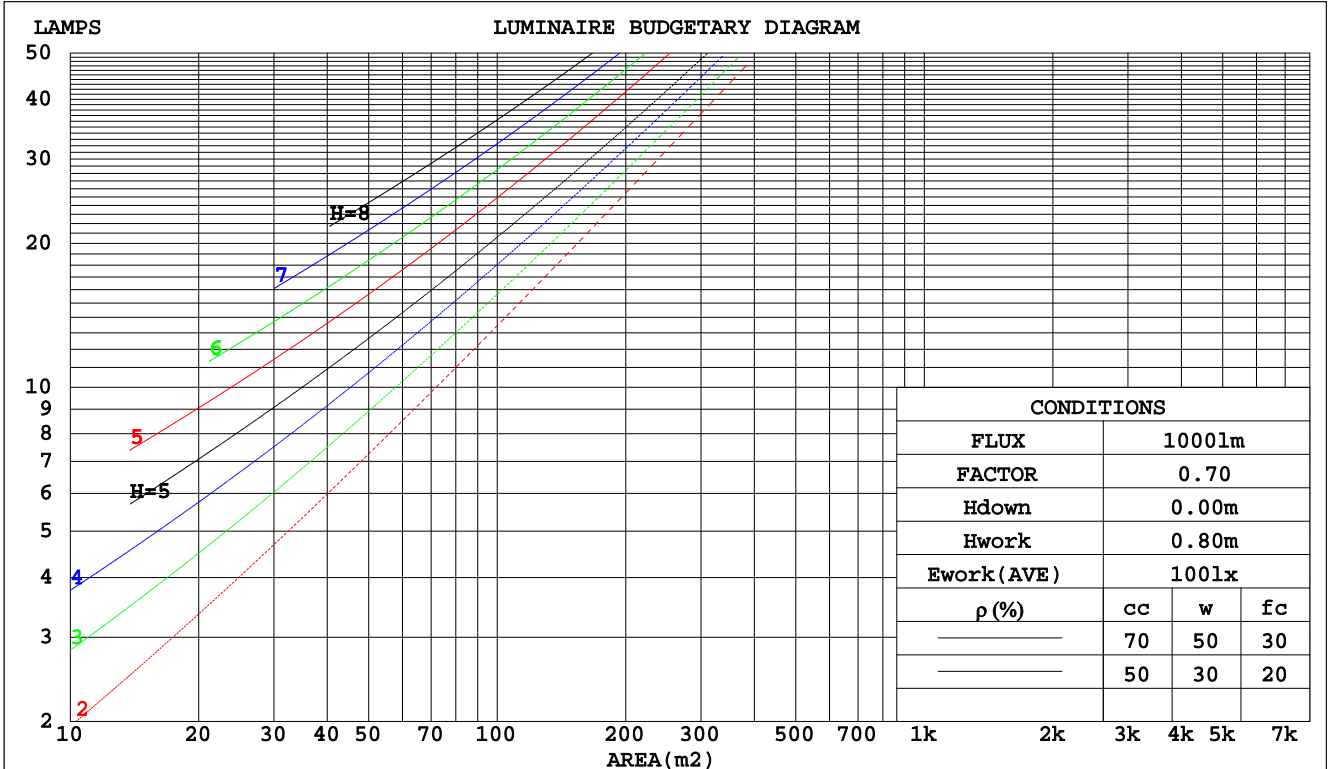
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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																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	1.02	.98	1.03	.90	.97	.99	.96	.93	.95	.93	.91	.92	.90	.88	.86
2.0	.92	.86	.81	.90	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.57	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25



C Range: 0 - 360DEG
C Interval: 22.5DEG
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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:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 lm									
NAME: 1					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.278	.158	.050	.271	.155	.049	.258	.148	.047	.246	.142	.046	.235	.136	.044	
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.245	.137	.043	.235	.133	.042	
3.0	.258	.138	.041	.253	.135	.041	.243	.131	.040	.233	.128	.039	.224	.124	.038	
4.0	.242	.126	.037	.237	.124	.037	.228	.121	.036	.219	.118	.036	.211	.115	.035	
5.0	.225	.115	.033	.221	.114	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029	
7.0	.196	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.084	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.020	.020	.020	
1.0	.179	.157	.138	.153	.135	.119	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.171	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.140	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.156	.102	.060	.134	.088	.052	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.149	.091	.049	.128	.079	.042	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.142	.083	.041	.122	.072	.035	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.135	.076	.034	.116	.066	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
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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:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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	24.6	26.1	24.9	26.3	26.5	24.6	26.1	24.9	26.3	26.5
3H	25.9	27.2	26.2	27.5	27.7	25.3	26.7	25.6	26.9	27.2
4H	25.9	27.3	26.3	27.5	27.8	25.3	26.6	25.6	26.8	27.1
6H	25.8	27.1	26.2	27.3	27.6	25.2	26.4	25.5	26.7	26.9
8H	25.8	27.0	26.1	27.3	27.5	25.1	26.3	25.5	26.6	26.9
12H	25.7	26.9	26.1	27.2	27.5	25.1	26.2	25.4	26.5	26.8
4H 2H	25.3	26.6	25.6	26.8	27.1	25.2	26.5	25.5	26.8	27.0
3H	26.6	27.7	26.9	28.0	28.3	26.0	27.1	26.4	27.4	27.7
4H	26.7	27.7	27.1	28.0	28.4	26.0	27.0	26.4	27.3	27.7
6H	26.6	27.5	27.0	27.9	28.2	25.9	26.8	26.3	27.2	27.5
8H	26.6	27.4	27.0	27.8	28.2	25.9	26.7	26.3	27.1	27.4
12H	26.5	27.3	26.9	27.7	28.1	25.8	26.6	26.2	27.0	27.4
8H 4H	26.7	27.5	27.1	27.9	28.2	26.0	26.8	26.4	27.2	27.6
6H	26.6	27.3	27.0	27.7	28.1	25.9	26.6	26.4	27.0	27.4
8H	26.5	27.1	27.0	27.6	28.0	25.9	26.5	26.3	26.9	27.4
12H	26.5	27.0	27.0	27.5	27.9	25.8	26.3	26.3	26.8	27.3
12H 4H	26.6	27.4	27.0	27.8	28.2	25.9	26.7	26.4	27.1	27.5
6H	26.5	27.1	27.0	27.6	28.0	25.9	26.5	26.3	26.9	27.4
8H	26.5	27.0	27.0	27.5	27.9	25.8	26.3	26.3	26.8	27.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.3 / - 0.4					+ 0.4 / - 0.6				
2.0H	+ 0.2 / - 0.4					+ 0.5 / - 0.9				

CIE Pub.117, 3177 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.0)

C Range: 0 - 360DEG
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Humidity:60.5%
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Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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	58	46	39	57	46	39	56	45	39	32
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	82	91	85	80	72
2.50	100	93	87	98	92	86	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	104	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

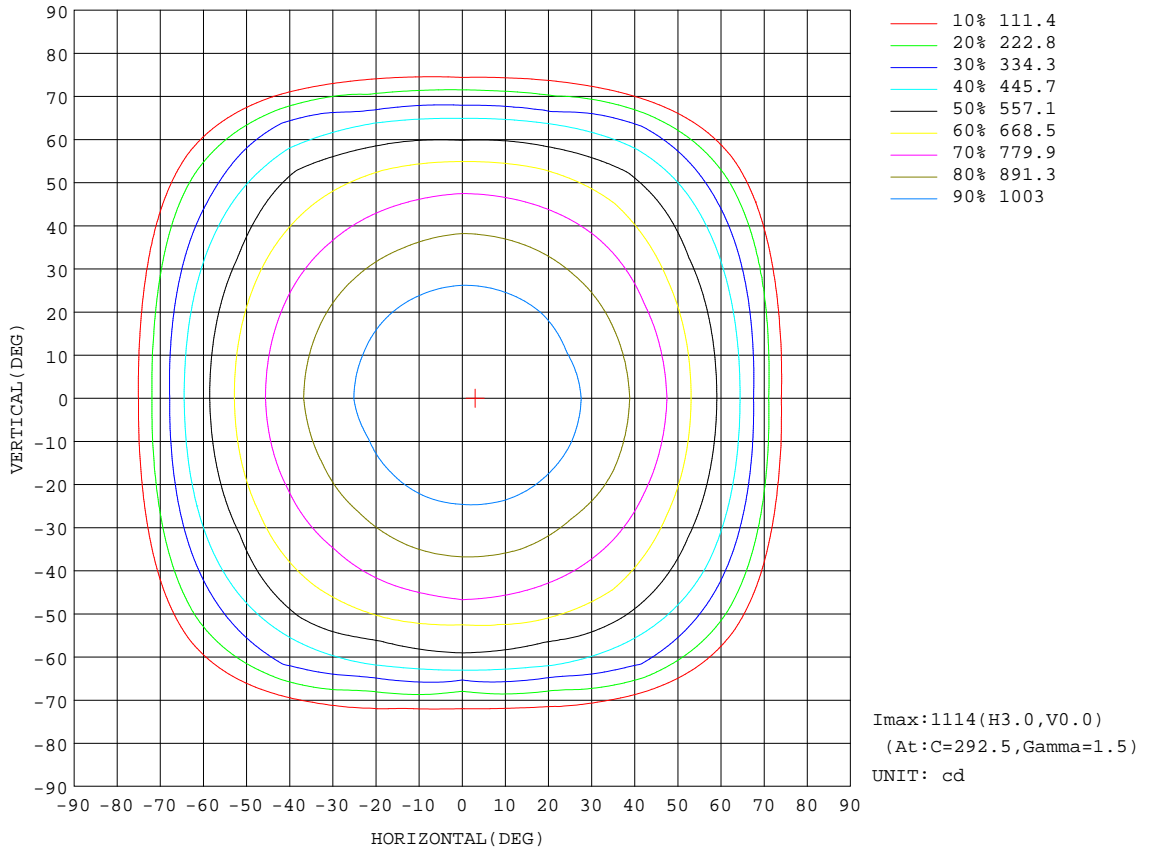
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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

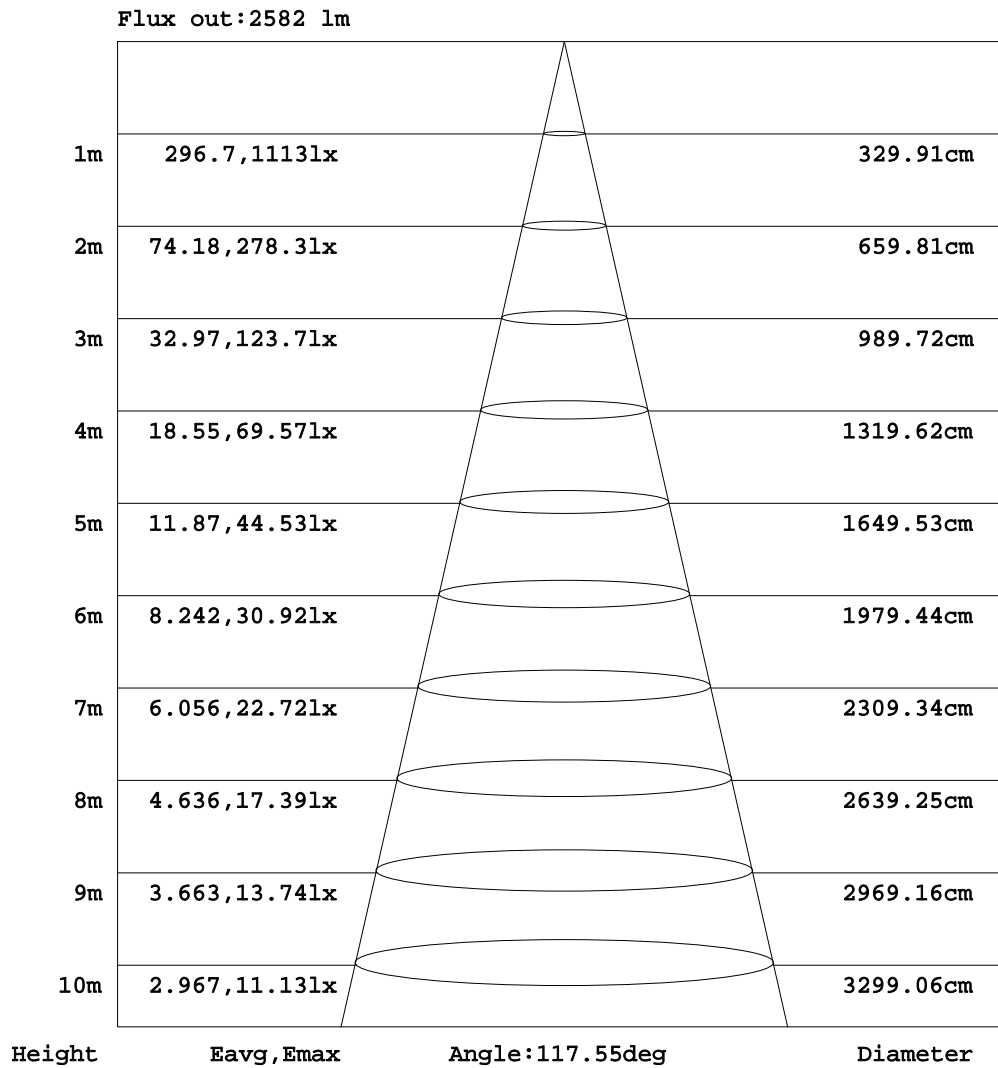
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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

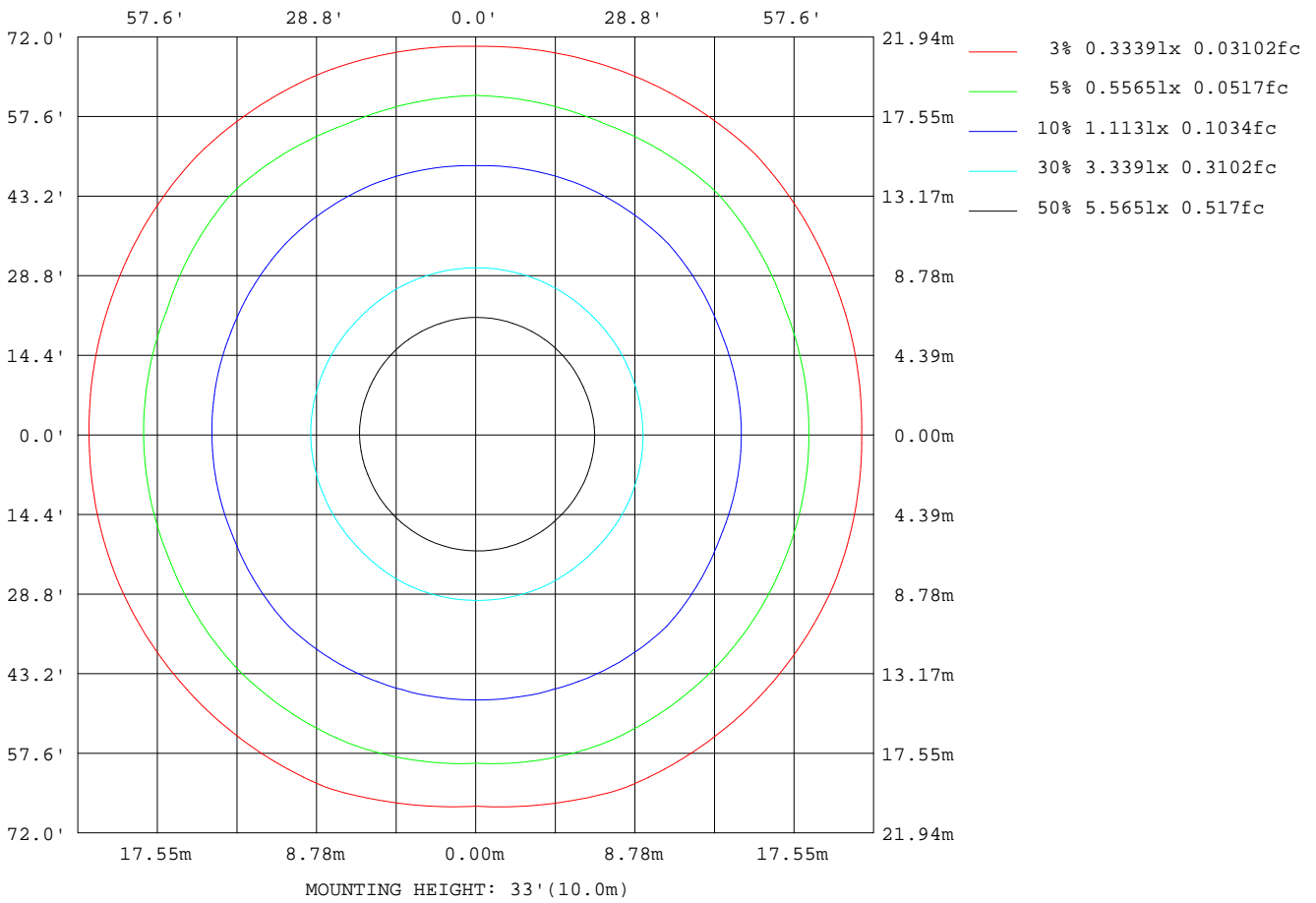
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.3V I:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 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:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	77967
L_0~180(75)av	28886
L_0~180(85)av	669
L_90~270(65)av	71217
L_90~270(75)av	16804
L_90~270(85)av	311
L_45(65)av	81465
L_45(75)av	31151
L_45(85)av	713

Standard: GB/T 29293-2012

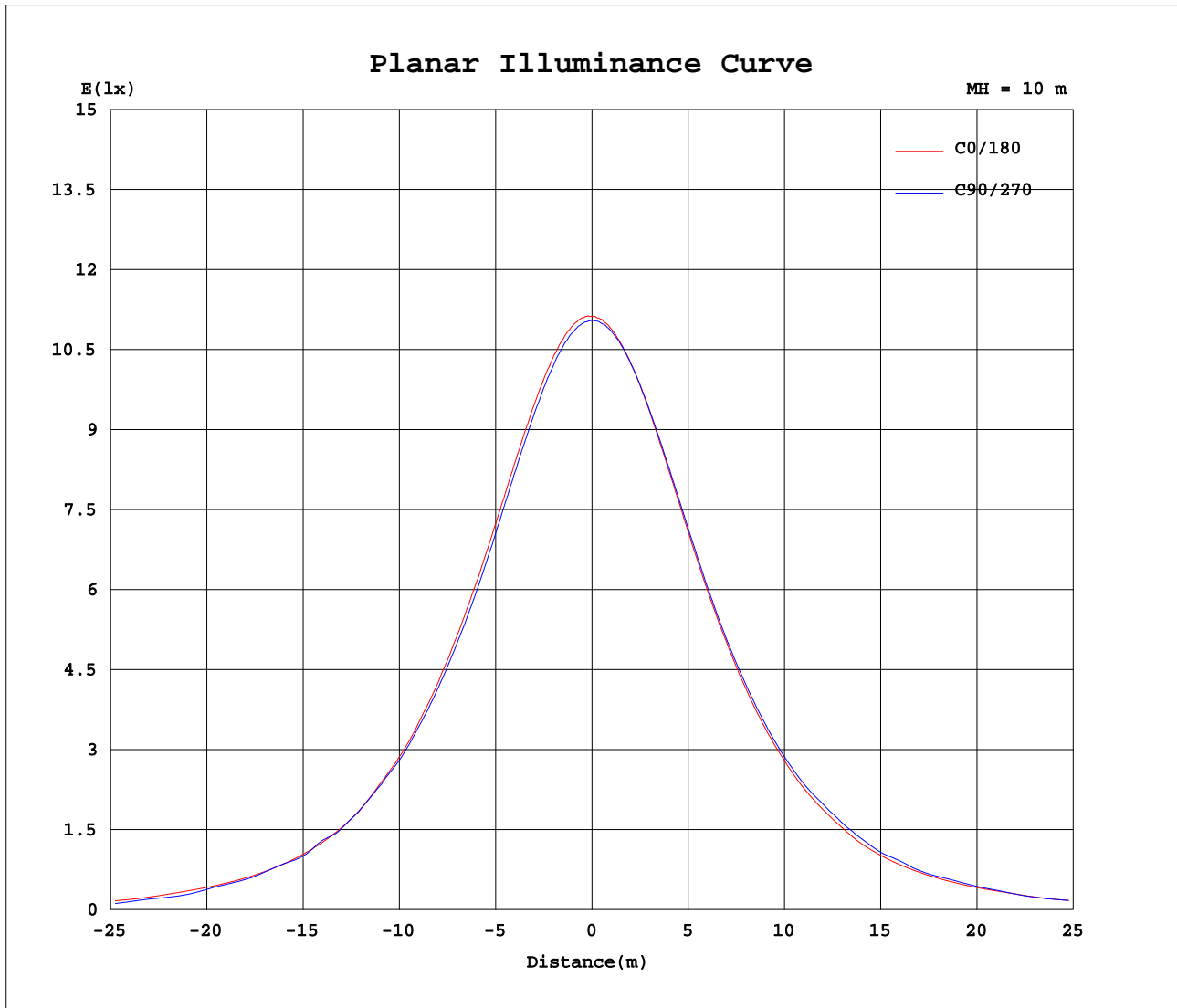
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

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:0.1261A P:30.24W PF:0.9982 Freq:50.00Hz Lamp Flux:3176.81x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

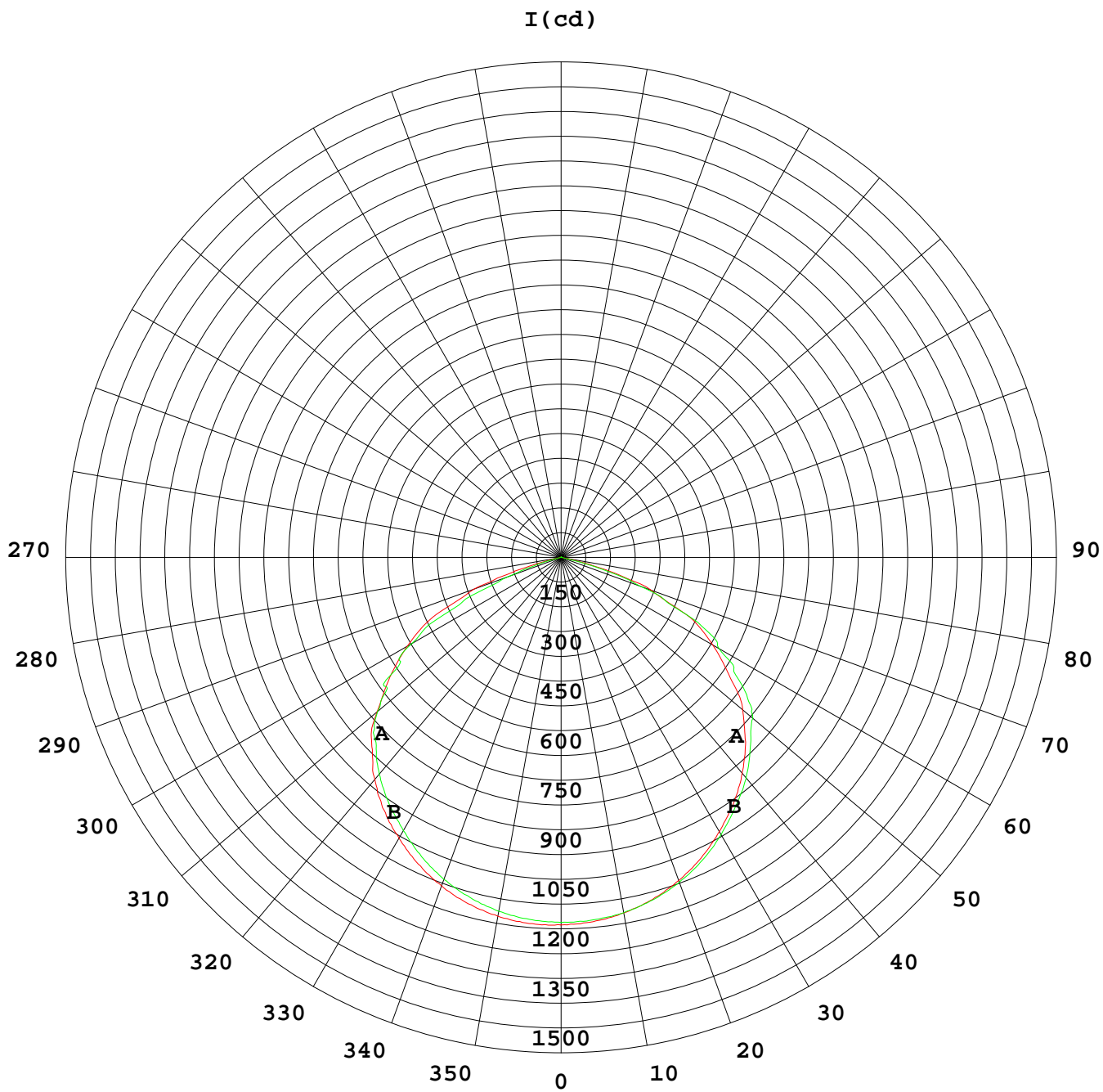
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106			
5	1106	1106	1103	1102	1101	1100	1099	1101	1101	1101	1101	1102	1103	1104	1104	1106			
10	1096	1096	1093	1092	1089	1088	1088	1086	1086	1087	1090	1091	1093	1096	1096	1097			
15	1079	1077	1074	1071	1067	1065	1063	1065	1065	1066	1069	1070	1074	1076	1079	1080			
20	1052	1051	1046	1043	1038	1037	1034	1034	1035	1036	1041	1044	1048	1051	1054	1054			
25	1018	1016	1010	1006	1001	998	995	997	998	999	1004	1007	1013	1016	1019	1020			
30	976	973	966	962	956	954	950	951	953	954	961	964	970	974	978	977			
35	929	925	913	912	910	903	896	900	905	904	909	913	922	924	927	929			
40	872	870	854	862	857	852	837	845	848	849	850	862	873	874	869	876			
45	806	799	795	800	793	792	777	781	786	786	789	802	811	813	808	808			
50	723	731	731	736	725	729	715	706	714	713	727	736	759	748	744	740			
55	629	627	655	631	648	626	642	621	617	632	657	668	666	677	669	637			
60	535	534	549	548	522	544	558	525	527	533	587	573	553	573	594	544			
65	427	438	428	413	342	417	427	436	430	443	463	461	441	457	472	449			
70	280	287	310	194	168	195	320	293	288	303	360	300	256	292	343	298			
75	81.3	94.2	74.5	47.3	25.3	63.4	99.8	129	113	148	142	117	87.7	94.6	103	113			
80	2.25	2.15	2.12	2.51	2.55	3.09	3.34	3.66	3.93	4.33	4.53	4.35	4.25	4.28	5.01	2.81			
85	0.77	0.70	0.59	0.53	0.38	0.46	0.63	0.75	0.74	0.69	0.56	0.40	0.32	0.69	1.45	0.76			
90	0.09	0.08	0.09	0.07	0.08	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.21	0.09	0.10			
95	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.11	0.11	0.10	0.09	0.10	0.11	0.12			
100	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.14			
105	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.15			
110	0.21	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.19	0.19	0.19	0.19	0.18	0.19	0.18	0.18			
115	0.28	0.25	0.26	0.26	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25			
120	0.35	0.33	0.32	0.33	0.32	0.32	0.33	0.33	0.35	0.36	0.36	0.36	0.35	0.34	0.33	0.33			
125	0.43	0.40	0.39	0.40	0.39	0.39	0.41	0.42	0.46	0.47	0.47	0.47	0.46	0.44	0.43	0.44			
130	0.50	0.49	0.46	0.50	0.48	0.49	0.49	0.51	0.57	0.58	0.58	0.59	0.57	0.55	0.53	0.56			
135	0.64	0.64	0.62	0.63	0.64	0.63	0.64	0.64	0.71	0.72	0.73	0.73	0.72	0.70	0.70	0.71			
140	0.79	0.81	0.81	0.81	0.83	0.82	0.80	0.76	0.90	0.93	0.99	0.98	0.97	0.97	0.97	0.92			
145	0.91	0.97	0.97	1.00	0.99	0.98	0.94	0.89	1.20	1.25	1.31	1.35	1.35	1.34	1.30	1.23			
150	1.00	1.10	1.09	1.09	1.08	1.06	1.03	0.97	1.51	1.58	1.66	1.71	1.71	1.70	1.65	1.58			
155	1.13	1.23	1.22	1.22	1.16	1.17	1.16	1.10	1.83	1.91	2.01	2.06	2.05	2.06	1.99	1.96			
160	1.26	1.32	1.33	1.29	1.23	1.26	1.25	1.21	2.17	2.20	2.29	2.31	2.32	2.36	2.27	2.20			
165	1.34	1.41	1.39	1.32	1.27	1.28	1.28	1.28	2.28	2.28	2.37	2.38	2.43	2.40	2.35	2.30			
170	1.44	1.47	1.44	1.34	1.30	1.28	1.31	1.36	2.27	2.24	2.24	2.20	2.25	2.23	2.23	2.23			
175	1.59	1.60	1.56	1.48	1.36	1.41	1.44	1.53	2.12	2.11	2.06	1.98	1.99	2.00	2.04	2.05			
180	1.89	1.86	1.82	1.72	1.68	1.70	1.75	1.81	1.89	1.86	1.82	1.72	1.68	1.70	1.75	1.81			

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

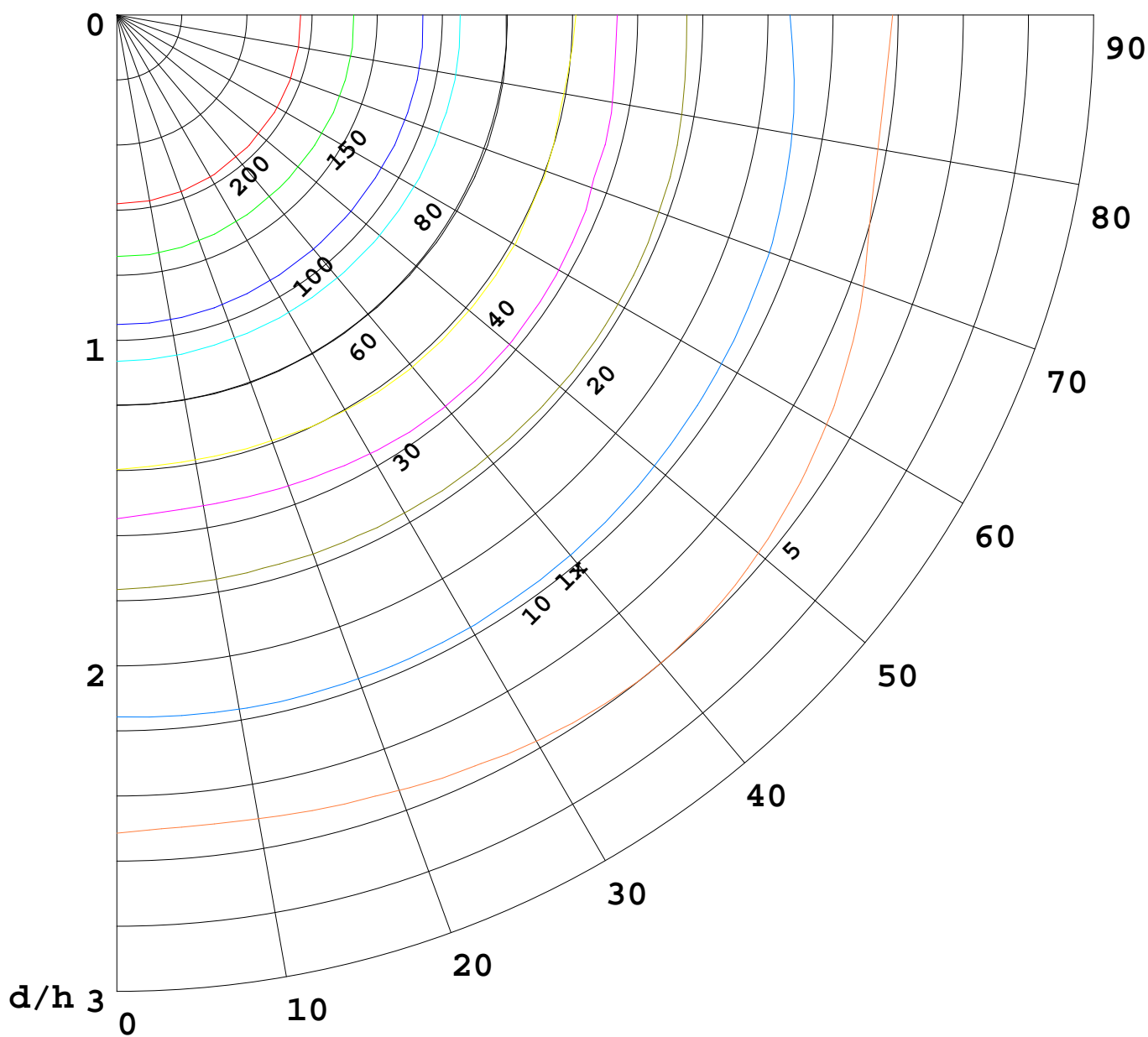
Checker: Near Gao

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

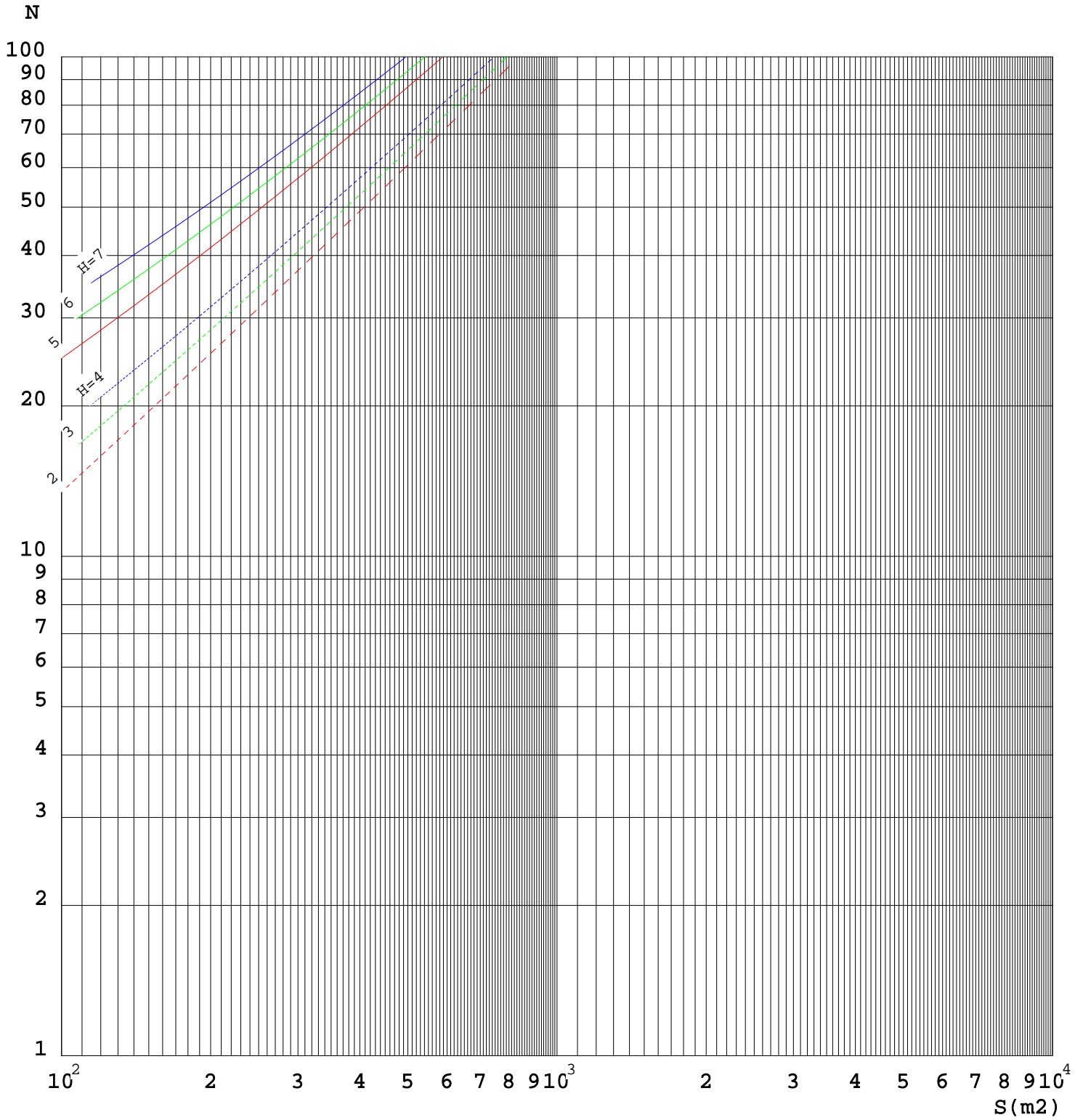


Photo documentation:

Photo 1

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

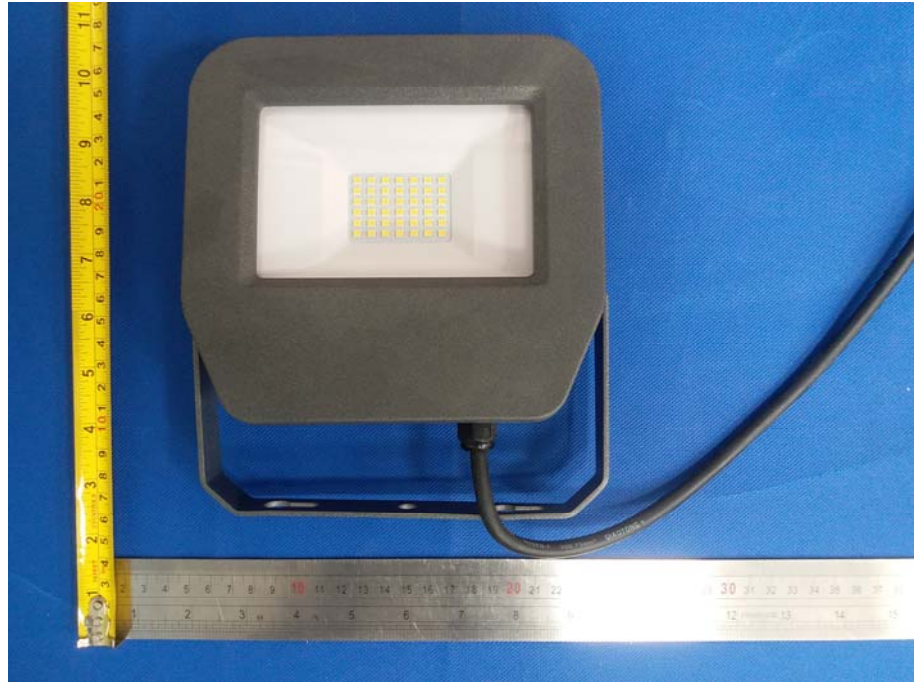


Photo 2

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



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