

**APPLICATION FOR TEST REPORT**

**On Behalf of**

**Interlight Enjoy Innovation B.V.**

**Easy Fit Plus LED Panel**

**Model No.: IL-P195K4U**

**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

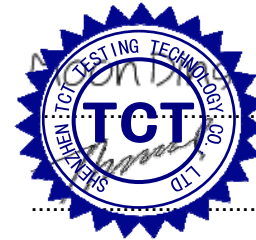
**Date of Test:** Jan. 25, to Feb. 11, 2019

**Date of Report:** Feb. 11, 2019

**Report Number:** TCT190125S006

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<b>Test Report</b> <b>IESNA LM 79: 2008</b> <b>ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS</b>	
Report reference No .....	TCT190125S006
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 .....	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 .....	Easy Fit Plus LED Panel
Trademark .....	 <b>INTER LIGHT</b>
Model and/or type reference .....	IL-P195K4U
Rating .....	220-240VAC, 50/60Hz, 40W

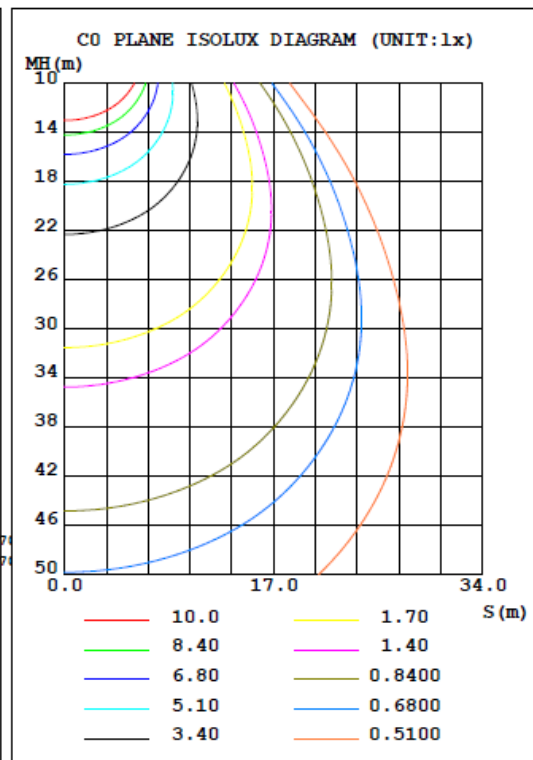
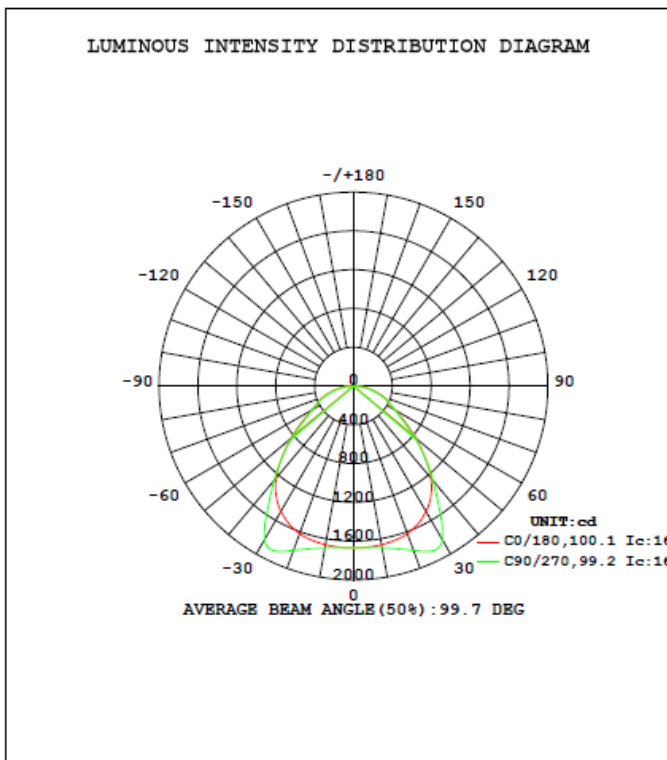


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.43 lm/W			
MODEL	IL-P195K4U	I <sub>max</sub> (cd)	1889	S/MH (C0/180)	1.31
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.35
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4392.2	η UP, DN (C0-180)	0.1, 49.9
NOMINAL FLUX (lm)	4392.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.9
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	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: 2019-01-22

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	tlum, lamp
5	1668	1672	1676	1672	1668	1672	1676	1672	0- 5	39.96	39.96	0.91,0.91
10	1662	1678	1697	1678	1662	1678	1697	1678	5- 10	119.9	159.8	2.64,2.64
15	1648	1689	1738	1689	1648	1689	1738	1689	10- 15	199.9	359.7	8.19,8.19
20	1620	1701	1804	1701	1620	1701	1804	1701	15- 20	280.1	639.8	14.6,14.6
25	1569	1701	1879	1701	1569	1701	1879	1701	20- 25	359.0	998.7	22.7,22.7
30	1494	1654	1830	1654	1494	1654	1830	1654	25- 30	428.9	1428	32.5,32.5
35	1388	1508	1540	1508	1388	1508	1540	1508	30- 35	464.8	1892	43.1,43.1
40	1238	1262	1271	1262	1238	1262	1271	1262	35- 40	457.5	2350	53.5,53.5
45	1041	1025	1038	1025	1041	1025	1038	1025	40- 45	425.7	2776	63.2,63.2
50	837.7	820.0	817.3	820.0	837.7	820.0	817.3	820.0	45- 50	377.3	3153	71.8,71.8
55	649.1	599.4	620.5	599.4	649.1	599.4	620.5	599.4	50- 55	316.6	3469	79,79
60	490.7	401.8	489.7	401.8	490.7	401.8	489.7	401.8	55- 60	252.1	3723	84.8,84.8
65	402.2	274.7	402.1	274.7	402.2	274.7	402.1	274.7	60- 65	199.1	3921	89.3,89.3
70	333.9	219.8	313.2	219.8	333.9	219.8	313.2	219.8	65- 70	159.1	4080	92.9,92.9
75	244.3	198.7	228.3	198.7	244.3	198.7	228.3	198.7	70- 75	126.7	4206	95.8,95.8
80	159.1	142.7	152.9	142.7	159.1	142.7	152.9	142.7	75- 80	97.49	4304	98,98
85	68.92	73.21	75.82	73.21	68.92	73.21	75.82	73.21	80- 85	62.69	4267	99.4,99.4
90	1.273	3.577	5.008	3.577	1.273	3.577	5.008	3.577	85- 90	19.62	4386	99.9,99.9
95	0.1521	0.1534	0.1662	0.1534	0.1521	0.1534	0.1662	0.1534	90- 95	0.2570	4387	99.9,99.9
100	0.1668	0.1824	0.2352	0.1824	0.1668	0.1824	0.2352	0.1824	95-100	0.0940	4387	99.9,99.9
105	0.2012	0.2213	0.3002	0.2213	0.2012	0.2213	0.3002	0.2213	100-105	0.1139	4387	99.9,99.9
110	0.2316	0.2753	0.3793	0.2753	0.2316	0.2753	0.3793	0.2753	105-110	0.1425	4387	99.9,99.9
115	0.2924	0.3679	0.4977	0.3679	0.2924	0.3679	0.4977	0.3679	110-115	0.1776	4387	99.9,99.9
120	0.3862	0.5027	0.6589	0.5027	0.3862	0.5027	0.6589	0.5027	115-120	0.2259	4387	99.9,99.9
125	0.4898	0.7200	0.8513	0.7200	0.4898	0.7200	0.8513	0.7200	120-125	0.2838	4388	99.9,99.9
130	0.6057	0.9266	1.053	0.9266	0.6057	0.9266	1.053	0.9266	125-130	0.3275	4388	99.9,99.9
135	0.8494	1.179	1.240	1.179	0.8494	1.179	1.240	1.179	130-135	0.3935	4388	99.9,99.9
140	1.197	1.556	1.691	1.556	1.197	1.556	1.691	1.556	135-140	0.4855	4389	99.9,99.9
145	1.576	1.832	2.118	1.832	1.576	1.832	2.118	1.832	140-145	0.5615	4389	99.9,99.9
150	1.646	1.898	2.486	1.898	1.646	1.898	2.486	1.898	145-150	0.5803	4390	99.9,99.9
155	2.071	2.577	2.511	2.577	2.071	2.577	2.511	2.577	150-155	0.5842	4391	100,100
160	2.408	2.950	2.910	2.950	2.408	2.950	2.910	2.950	155-160	0.5499	4391	100,100
165	2.644	3.103	3.132	3.103	2.644	3.103	3.132	3.103	160-165	0.4799	4392	100,100
170	2.809	2.879	2.985	2.879	2.809	2.879	2.985	2.879	165-170	0.3530	4392	100,100
175	2.907	2.921	2.819	2.921	2.907	2.921	2.819	2.921	170-175	0.2078	4392	100,100
180	2.985	2.659	2.410	2.659	2.985	2.659	2.410	2.659	175-180	0.0672	4392	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2775.6 lm

%lum = 63.2%  
%lamp = 63.2%

Conical surface Flux(120deg): 3722.6 lm

%lum = 84.8%  
%lamp = 84.8%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2019-01-22

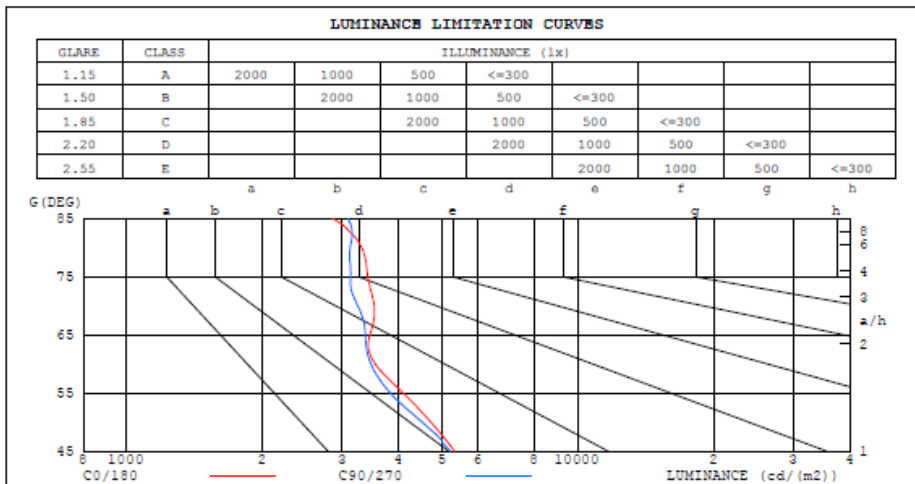
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.718m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**LUMINANCE LIMITATION CURVES**

Test:U:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
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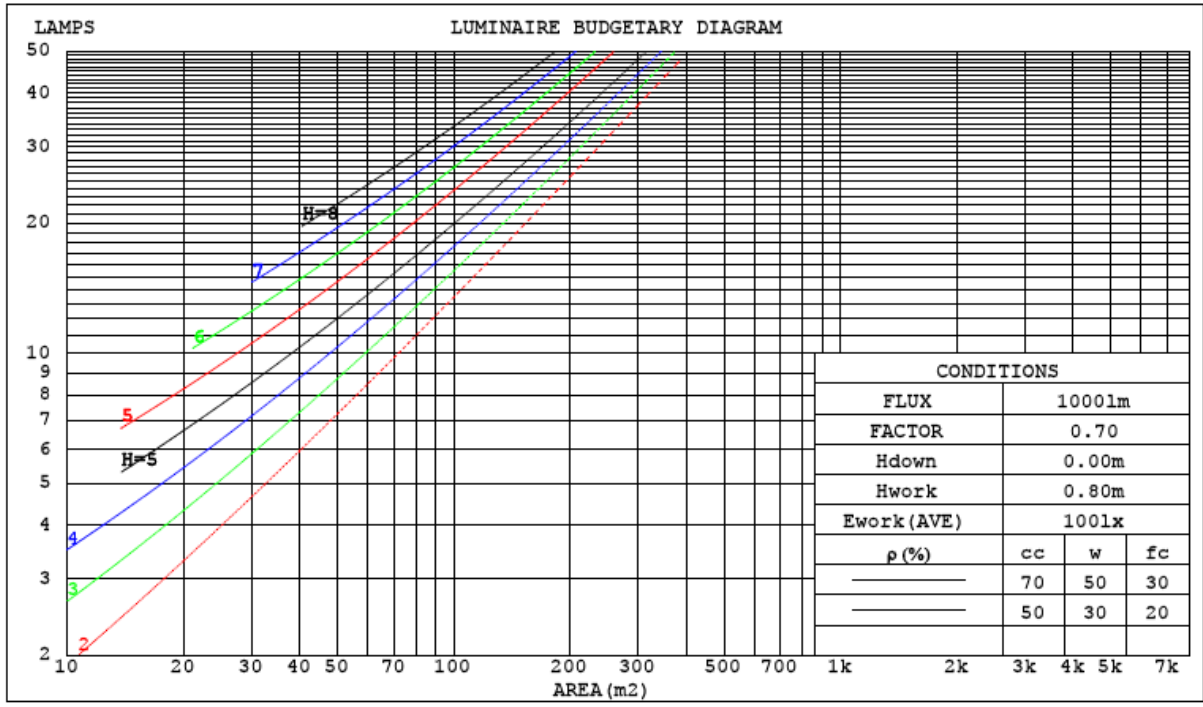
Checker: Near Gao

Assessor: Akin Xu

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρw																0
ρfc	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	.92	.90	.91	.89	.87	.85
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63
4.0	.74	.66	.59	.73	.65	.59	.70	.63	.58	.68	.62	.57	.66	.61	.57	.55
5.0	.67	.58	.52	.65	.57	.52	.63	.56	.51	.61	.55	.50	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.45	.58	.50	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.53	.45	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.45	.38	.33	.43	.37	.33	.42	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.34	.30	.28



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2019-01-22

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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm					
NAME: 1		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.285	.162	.051	.277	.158	.050	.264	.152	.048	.252	.145	.047	.241	.140	.045	
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.239	.134	.042	.229	.130	.041	
3.0	.249	.133	.040	.244	.131	.039	.234	.127	.038	.224	.123	.038	.215	.119	.037	
4.0	.232	.120	.035	.227	.119	.035	.218	.116	.035	.209	.112	.034	.202	.110	.033	
5.0	.216	.110	.032	.211	.109	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030	
6.0	.201	.101	.029	.198	.100	.029	.190	.098	.028	.184	.096	.028	.178	.094	.028	
7.0	.188	.093	.026	.185	.092	.026	.179	.090	.026	.173	.089	.026	.167	.087	.026	
8.0	.177	.086	.024	.174	.086	.024	.168	.084	.024	.163	.083	.024	.158	.081	.024	
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.154	.077	.022	.149	.076	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.072	.021	.142	.071	.020	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
2.0	.180	.157	.137	.154	.135	.118	.105	.093	.082	.060	.054	.048	.019	.017	.015	
3.0	.170	.133	.102	.146	.115	.088	.100	.079	.061	.058	.046	.036	.018	.015	.012	
4.0	.162	.115	.078	.138	.099	.068	.095	.069	.048	.055	.040	.028	.018	.013	.009	
5.0	.154	.102	.062	.132	.088	.054	.091	.061	.038	.052	.036	.022	.017	.012	.007	
6.0	.146	.091	.050	.125	.079	.044	.086	.055	.031	.050	.032	.018	.016	.011	.006	
7.0	.139	.083	.042	.120	.072	.037	.082	.050	.026	.048	.029	.015	.015	.010	.005	
8.0	.133	.076	.036	.114	.066	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
9.0	.126	.070	.031	.109	.061	.027	.075	.042	.019	.044	.025	.011	.014	.008	.004	
10.0	.121	.065	.027	.104	.056	.024	.072	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.115	.061	.024	.099	.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:2019-01-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 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	12.2	13.6	12.5	13.8	14.0	11.9	13.4	12.2	13.6	13.8
3H	13.4	14.7	13.7	14.9	15.1	13.1	14.4	13.4	14.6	14.8
4H	13.9	15.2	14.2	15.4	15.7	13.6	14.8	13.9	15.1	15.3
6H	14.4	15.6	14.8	15.9	16.1	14.1	15.3	14.4	15.5	15.8
8H	14.6	15.8	15.0	16.0	16.3	14.3	15.4	14.6	15.7	16.0
12H	14.7	15.8	15.1	16.1	16.4	14.5	15.5	14.8	15.8	16.1
4H 2H	12.4	13.6	12.7	13.9	14.1	12.2	13.4	12.5	13.7	13.9
3H	13.8	14.8	14.1	15.1	15.4	13.5	14.6	13.9	14.9	15.2
4H	14.5	15.5	14.8	15.8	16.1	14.2	15.2	14.6	15.5	15.9
6H	15.2	16.0	15.6	16.4	16.8	14.9	15.8	15.3	16.1	16.5
8H	15.5	16.3	15.9	16.6	17.0	15.2	16.0	15.6	16.4	16.8
12H	15.7	16.4	16.1	16.8	17.2	15.4	16.2	15.9	16.6	17.0
8H 4H	14.7	15.5	15.1	15.8	16.2	14.4	15.3	14.9	15.6	16.0
6H	15.6	16.2	16.0	16.6	17.1	15.3	16.0	15.8	16.4	16.8
8H	16.0	16.6	16.4	17.0	17.5	15.8	16.4	16.2	16.8	17.2
12H	16.3	16.8	16.8	17.3	17.7	16.1	16.6	16.6	17.1	17.6
12H 4H	14.7	15.4	15.1	15.8	16.2	14.5	15.2	14.9	15.6	16.0
6H	15.6	16.2	16.1	16.7	17.1	15.4	16.0	15.9	16.4	16.9
8H	16.1	16.6	16.6	17.1	17.5	15.9	16.4	16.4	16.9	17.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.5 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 4392 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2019-01-22

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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 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	63	52	46	62	52	45	61	51	45	39
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	71	64	79	70	64	77	71	63	57
1.25	87	78	71	86	77	71	83	76	70	64
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	102	98	105	101	97	101	97	94	86
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: 2019-01-22

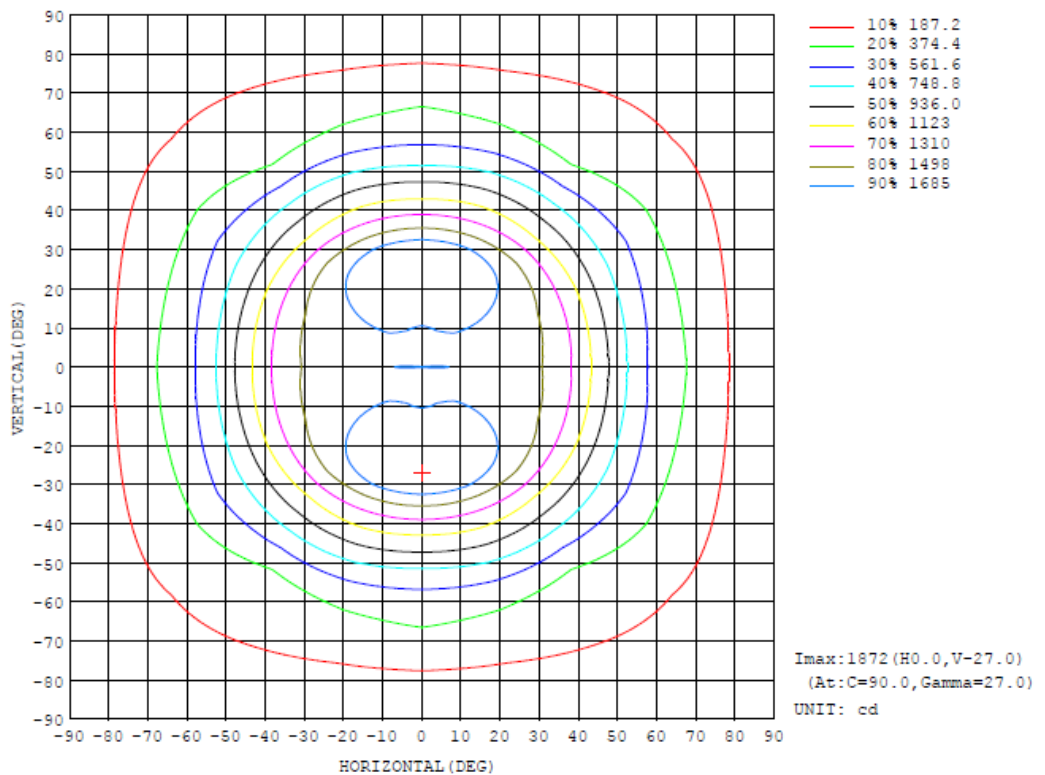
Checker: Near Gao

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

Assessor: Akin Xu

**ISOCANDELA DIAGRAM**

Test:U:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 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:2019-01-22

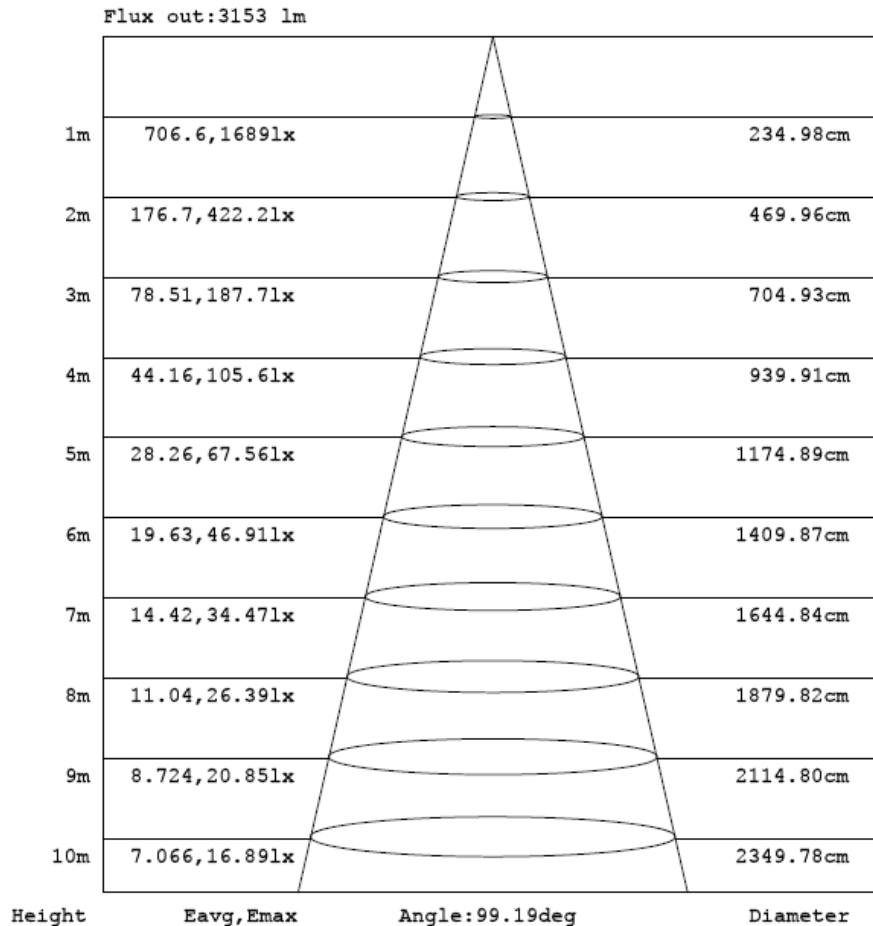
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.718m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**AAI Figure**

Test:U:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 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:2019-01-22

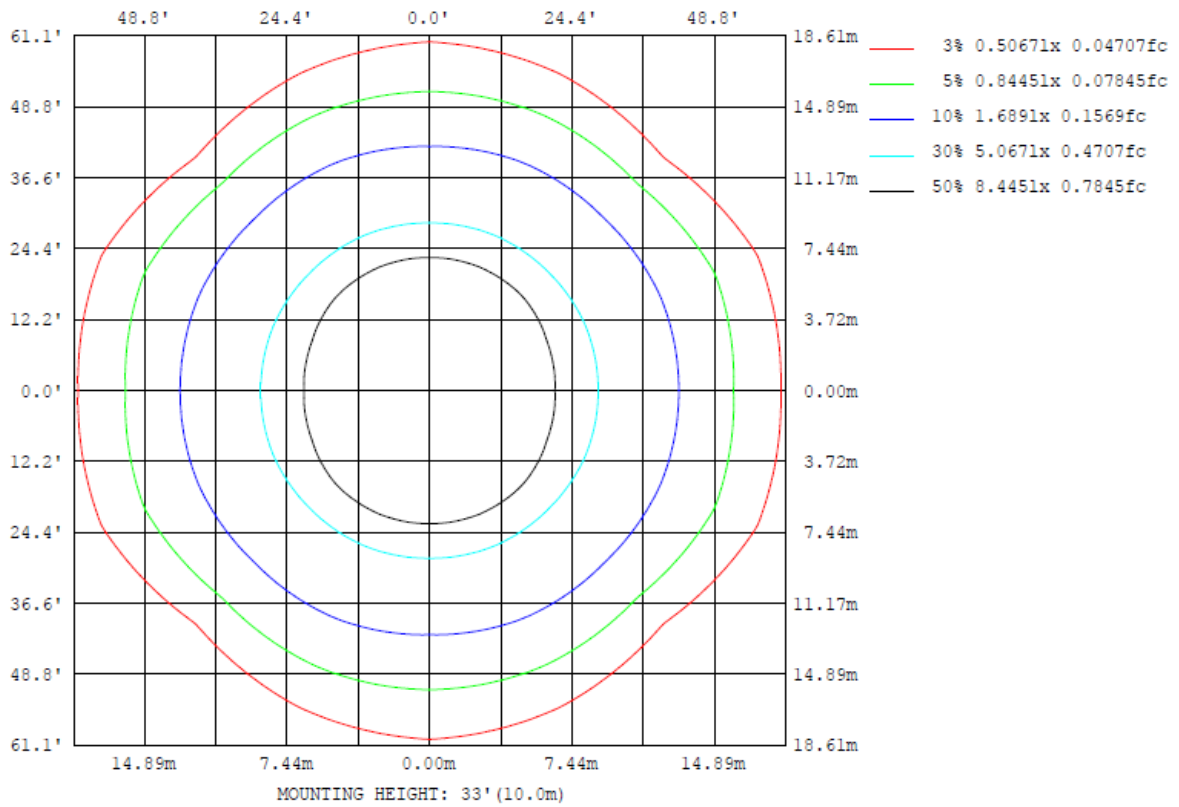
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.718m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**ISOLUX DIAGRAM**

Test:U:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 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  
Operator:Wilson  
Test Date:2019-01-22

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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L 0~180 (65) av	3416
L 0~180 (75) av	3379
L 0~180 (85) av	2831
L 90~270 (65) av	3407
L 90~270 (75) av	3159
L 90~270 (85) av	3115
L 45 (65) av	2327
L 45 (75) av	2749
L 45 (85) av	3007

Standard: GB/T 29293-2012

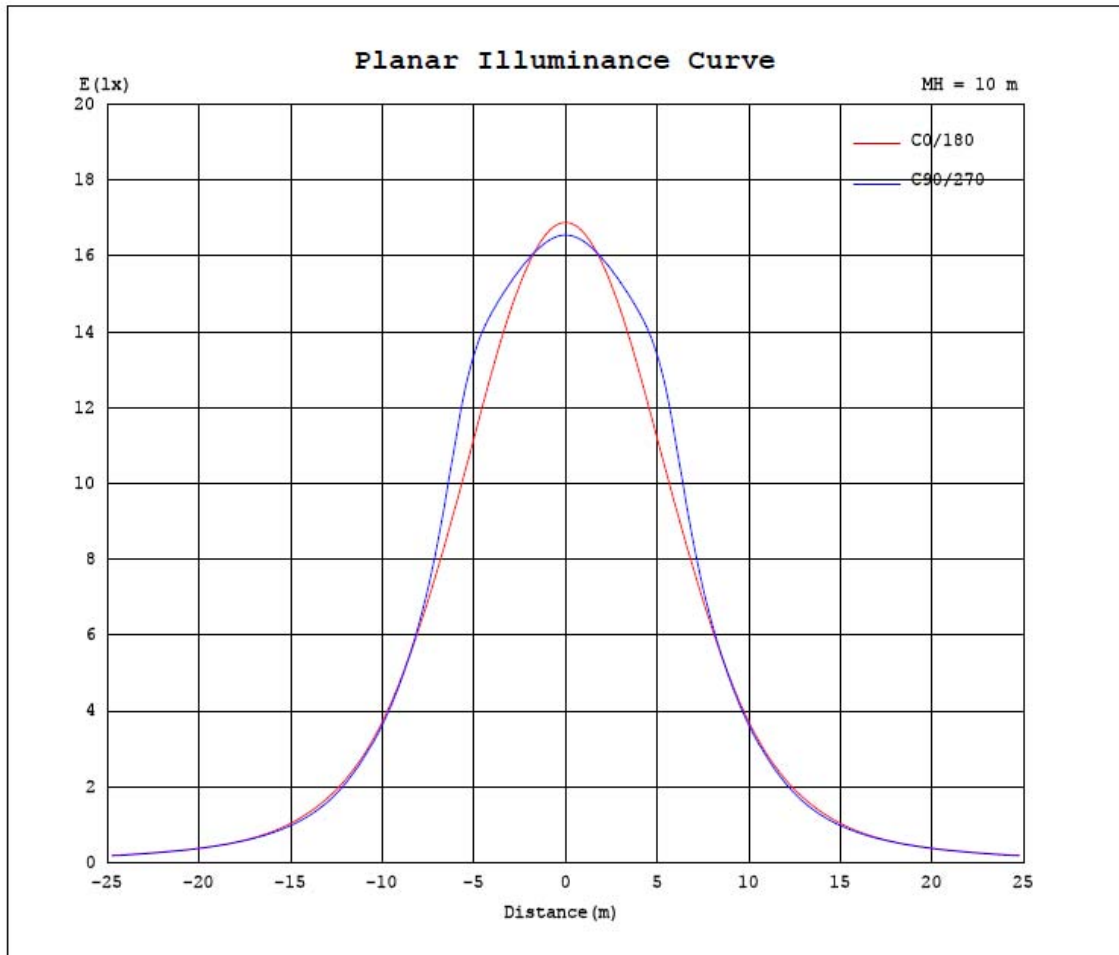
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2019-01-22

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: 2019-01-22

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:220.3V I:0.1883A P:39.77W PF:0.9588 Freq:50.00Hz Lamp Flux:4392.17x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: cd

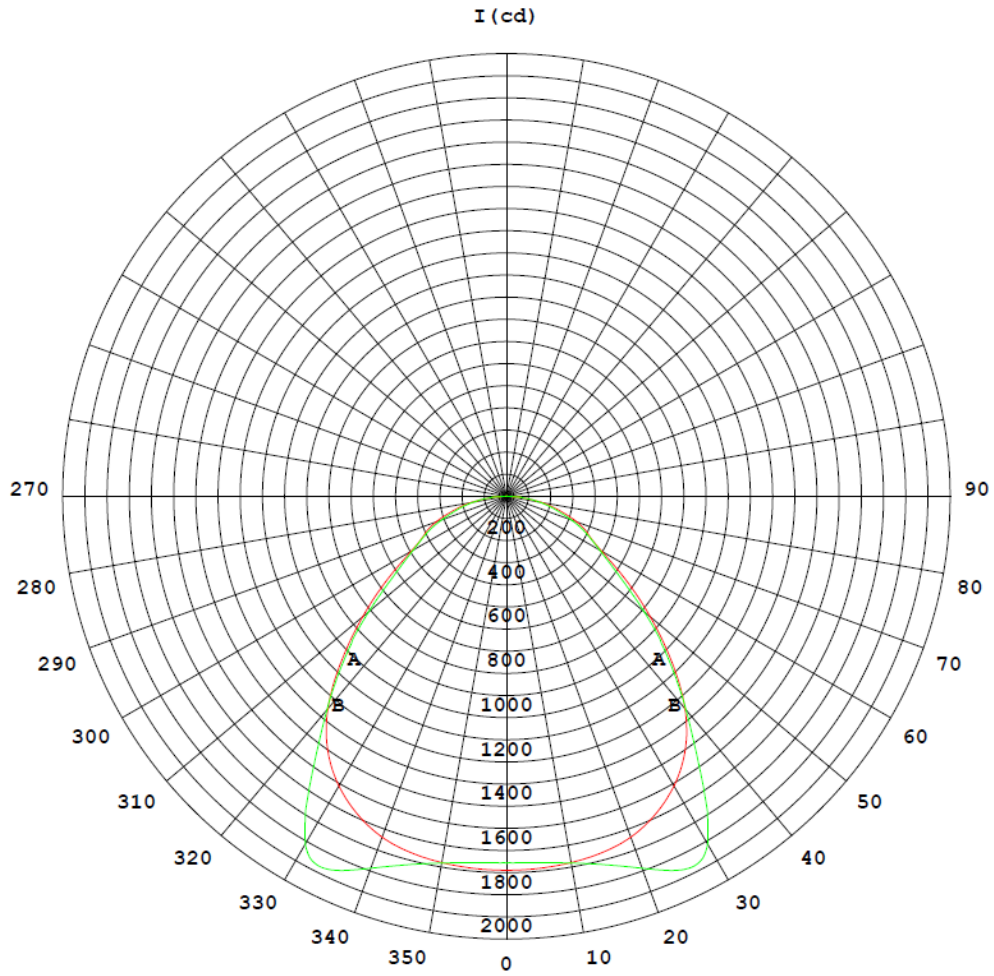
C (DEG) \ y (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670			
5	1668	1670	1672	1675	1676	1675	1672	1670	1668	1670	1672	1675	1676	1675	1672	1670			
10	1662	1666	1678	1691	1697	1691	1678	1666	1662	1666	1678	1691	1697	1691	1678	1666			
15	1648	1659	1689	1723	1738	1723	1689	1659	1648	1659	1689	1723	1738	1723	1689	1659			
20	1620	1643	1701	1771	1804	1771	1701	1643	1620	1643	1701	1771	1804	1771	1701	1643			
25	1569	1605	1701	1821	1879	1821	1701	1605	1569	1605	1701	1821	1879	1821	1701	1605			
30	1494	1541	1654	1785	1830	1785	1654	1541	1494	1541	1654	1785	1830	1785	1654	1541			
35	1388	1428	1508	1534	1540	1534	1508	1428	1388	1428	1508	1534	1540	1534	1508	1428			
40	1238	1261	1262	1270	1271	1270	1262	1261	1238	1261	1262	1270	1271	1270	1262	1261			
45	1041	1050	1025	1052	1038	1052	1025	1050	1041	1050	1025	1052	1038	1052	1025	1050			
50	838	834	820	836	817	836	820	834	838	834	820	836	817	836	820	834			
55	649	673	599	625	620	625	599	673	649	673	599	625	620	625	599	673			
60	491	523	402	465	490	465	402	523	491	523	402	465	490	465	402	523			
65	403	388	275	354	402	354	275	388	403	388	275	354	402	354	275	388			
70	334	285	220	278	313	278	220	285	334	285	220	278	313	278	220	285			
75	244	203	199	208	228	208	199	203	244	203	199	208	228	208	199	203			
80	159	154	144	151	153	151	144	154	159	154	144	151	153	151	144	154			
85	68.9	81.3	73.2	81.6	75.8	81.6	73.2	81.3	68.9	81.3	73.2	81.6	75.8	81.6	73.2	81.3			
90	1.27	3.67	3.58	2.19	5.01	2.19	3.58	3.67	1.27	3.67	3.58	2.19	5.01	2.19	3.58	3.67			
95	0.15	0.16	0.15	0.16	0.17	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.17	0.16	0.15	0.16			
100	0.17	0.18	0.18	0.19	0.24	0.19	0.18	0.18	0.17	0.18	0.18	0.19	0.24	0.19	0.18	0.18			
105	0.20	0.22	0.22	0.27	0.30	0.27	0.22	0.22	0.20	0.22	0.22	0.27	0.30	0.27	0.22	0.22			
110	0.23	0.27	0.28	0.37	0.38	0.37	0.28	0.27	0.23	0.27	0.28	0.37	0.38	0.37	0.28	0.27			
115	0.29	0.36	0.37	0.49	0.50	0.49	0.37	0.36	0.29	0.36	0.37	0.49	0.50	0.49	0.37	0.36			
120	0.39	0.46	0.50	0.65	0.66	0.65	0.50	0.46	0.39	0.46	0.50	0.65	0.66	0.65	0.50	0.46			
125	0.49	0.56	0.72	0.84	0.85	0.84	0.72	0.56	0.49	0.56	0.72	0.84	0.85	0.84	0.72	0.56			
130	0.61	0.65	0.93	1.04	1.05	1.04	0.93	0.65	0.61	0.65	0.93	1.04	1.05	1.04	0.93	0.65			
135	0.85	0.99	1.18	1.27	1.24	1.27	1.18	0.99	0.85	0.99	1.18	1.27	1.24	1.27	1.18	0.99			
140	1.20	1.40	1.56	1.62	1.69	1.62	1.56	1.40	1.20	1.40	1.56	1.62	1.69	1.62	1.56	1.40			
145	1.58	1.75	1.83	2.08	2.12	2.08	1.83	1.75	1.58	1.75	1.83	2.08	2.12	2.08	1.83	1.75			
150	1.65	2.17	1.90	2.44	2.49	2.44	1.90	2.17	1.65	2.17	1.90	2.44	2.49	2.44	1.90	2.17			
155	2.07	2.54	2.58	2.38	2.51	2.38	2.58	2.54	2.07	2.54	2.58	2.38	2.51	2.38	2.58	2.54			
160	2.41	2.86	2.95	2.78	2.91	2.78	2.95	2.86	2.41	2.86	2.95	2.78	2.91	2.78	2.95	2.86			
165	2.64	2.92	3.10	3.01	3.13	3.01	3.10	2.92	2.64	2.92	3.10	3.01	3.13	3.01	3.10	2.92			
170	2.81	2.91	2.88	2.96	2.98	2.96	2.88	2.91	2.81	2.91	2.88	2.96	2.98	2.96	2.88	2.91			
175	2.91	2.92	2.92	2.85	2.82	2.85	2.92	2.92	2.91	2.92	2.92	2.85	2.82	2.85	2.92	2.92			
180	2.99	2.87	2.66	2.49	2.41	2.49	2.66	2.87	2.99	2.87	2.66	2.49	2.41	2.49	2.66	2.87			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2019-01-22

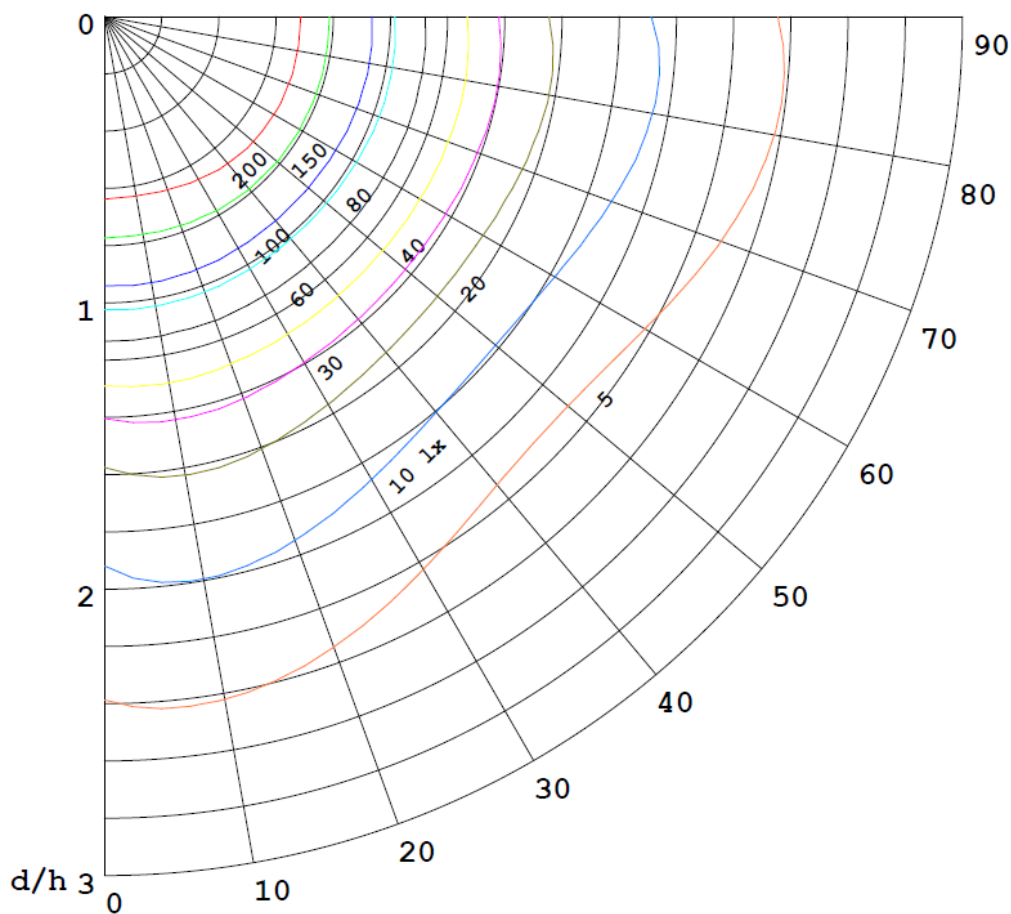
y Range: 0 - 180DEG  
y Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.718m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

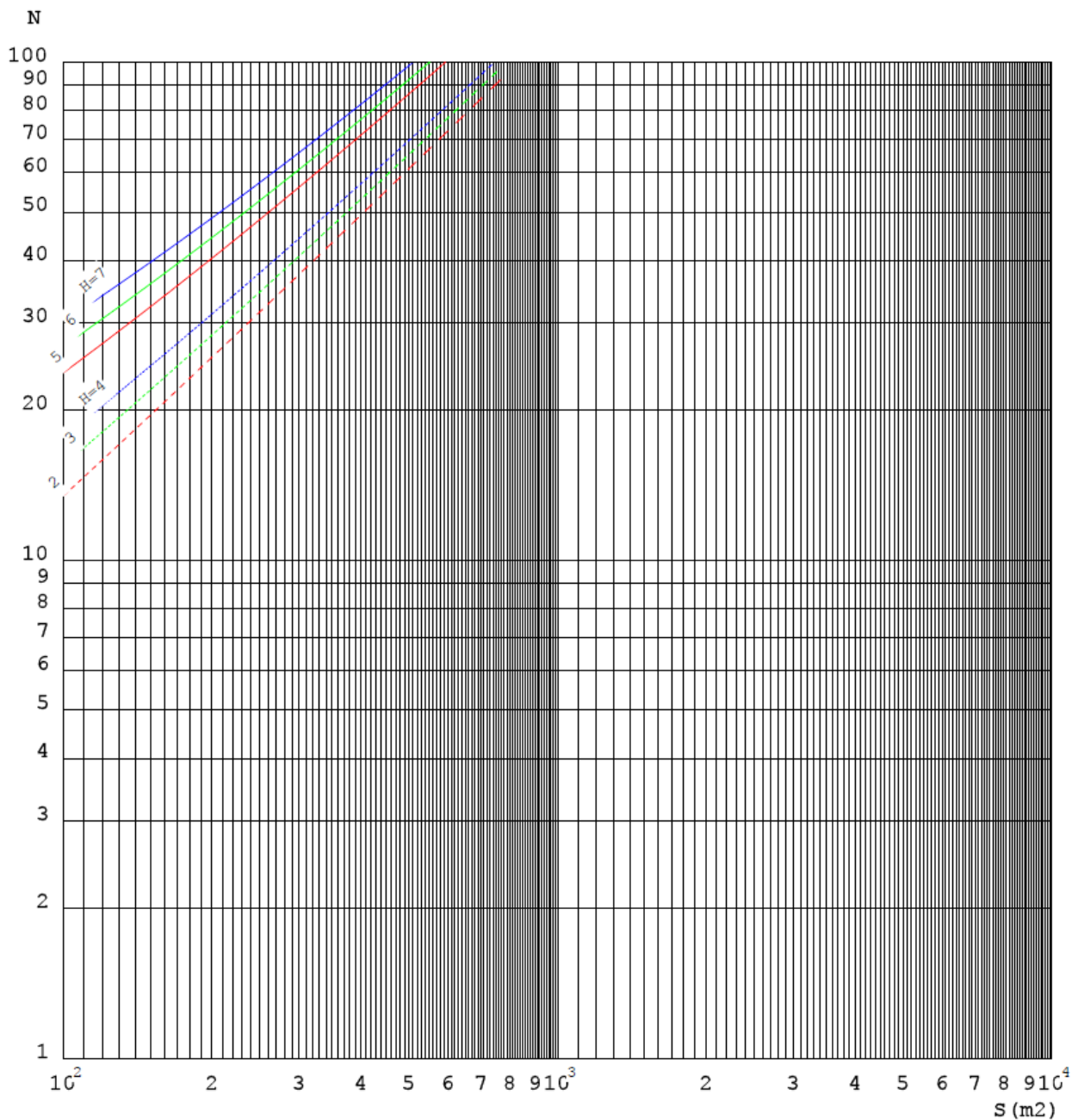


1000 lm       $K = 1$



**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\*\*\*