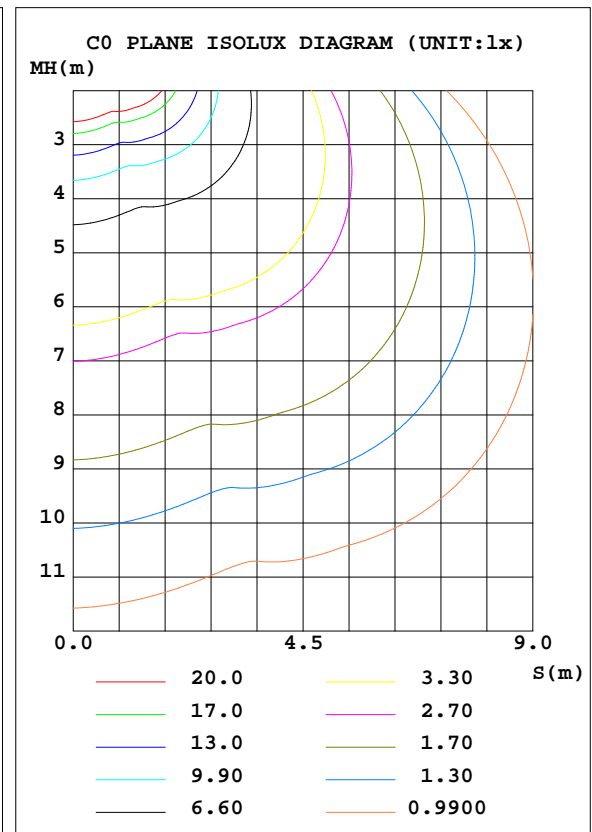
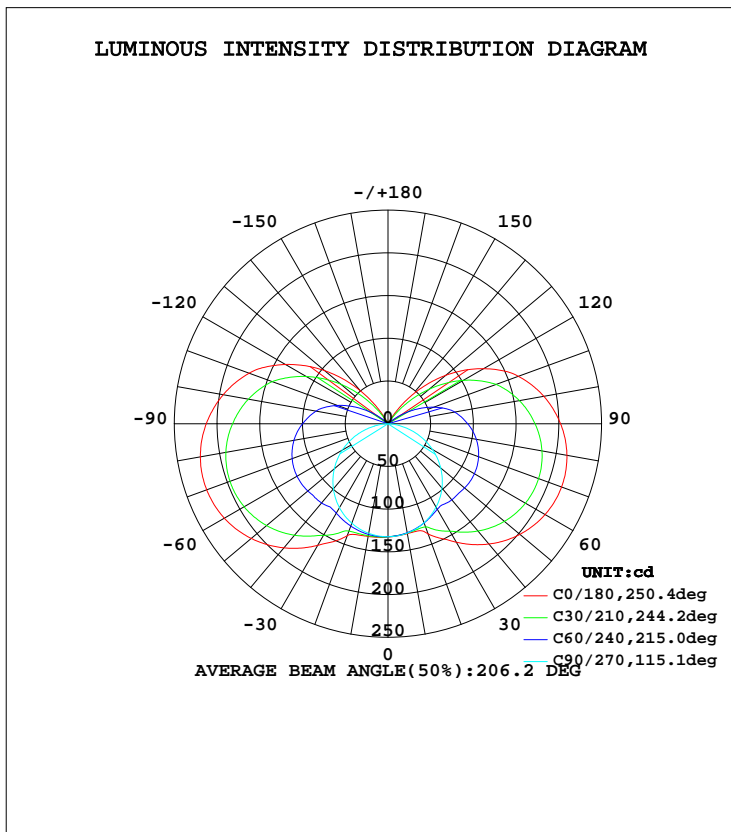


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.85 lm/W			
MODEL	FTS4241800L30D1WH	I <sub>max</sub> (cd)	225.9	S/MH(C0/180)	2.06
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1285.6	η UP, DN(C0-180)	15.4, 34.4
NOMINAL FLUX(lm)	1285.57	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.5, 34.6
LAMPS INSIDE	1	η up(%)	31.0	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120.8	η down(%)	69.0	CIBSE SHR MAX	1.75



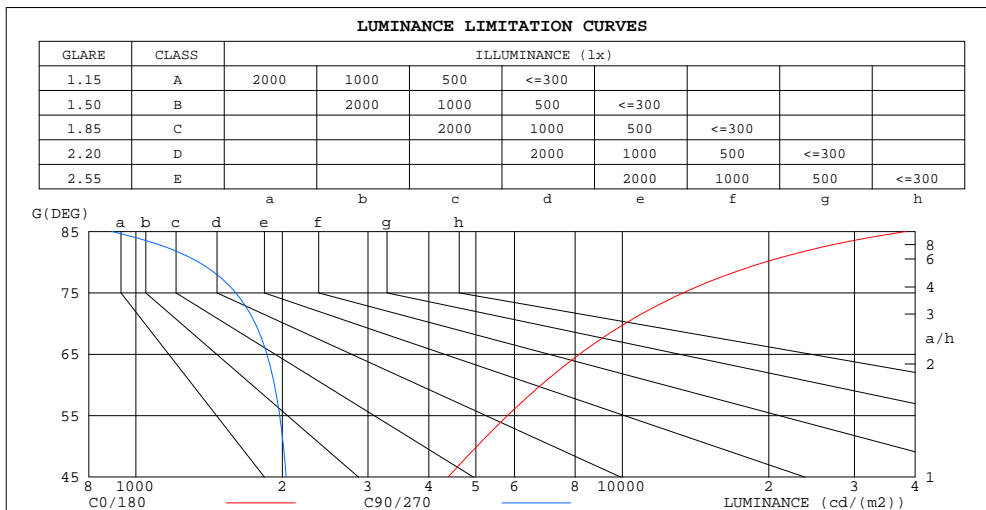
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	131.7	131.2	131.7	132.9	133.4	132.6	131.8	131.6	0- 5	3.162	3.162	0.25,0.25
10	130.7	129.7	129.9	132.5	134.0	132.4	130.3	130.1	5- 10	9.417	12.58	0.98,0.98
15	130.2	127.6	127.2	131.5	134.8	131.5	127.6	128.0	10- 15	15.47	28.05	2.18,2.18
20	137.1	125.3	123.4	130.3	139.3	130.4	123.9	125.8	15- 20	21.30	49.35	3.84,3.84
25	148.3	124.9	118.5	129.9	152.3	130.0	119.2	125.3	20- 25	27.38	76.73	5.97,5.97
30	160.2	131.3	112.7	135.9	164.3	136.2	113.6	131.7	25- 30	33.77	110.5	8.6,8.6
35	172.6	135.7	106.0	141.3	177.6	141.6	107.0	136.2	30- 35	40.34	150.8	11.7,11.7
40	183.8	141.6	98.33	147.1	189.6	147.5	99.47	141.9	35- 40	46.95	197.8	15.4,15.4
45	193.4	146.9	89.86	152.9	200.1	153.3	91.13	147.1	40- 45	53.32	251.1	19.5,19.5
50	201.5	151.0	80.63	157.4	208.9	157.9	82.06	151.3	45- 50	59.23	310.3	24.1,24.1
55	207.8	153.8	70.67	160.5	216.0	161.1	72.26	154.2	50- 55	64.47	374.8	29.2,29.2
60	212.4	155.4	60.12	162.4	221.2	163.1	61.79	155.8	55- 60	68.86	443.7	34.5,34.5
65	215.2	155.7	49.02	162.8	224.4	163.7	50.84	156.1	60- 65	72.25	515.9	40.1,40.1
70	216.2	154.6	37.57	161.9	225.9	162.7	39.48	155.0	65- 70	74.55	590.5	45.9,45.9
75	215.3	152.3	25.91	159.6	225.4	160.6	27.89	152.7	70- 75	75.64	666.1	51.8,51.8
80	212.6	148.7	14.58	155.9	222.9	157.1	16.50	149.0	75- 80	75.53	741.7	57.7,57.7
85	208.2	143.8	4.855	151.0	218.7	152.1	6.353	144.0	80- 85	74.18	815.8	63.5,63.5
90	202.0	137.6	0.8874	144.7	212.7	146.0	0.8541	137.7	85- 90	71.62	887.4	69,69
95	194.3	130.6	0.8375	137.5	205.0	138.8	0.7922	130.7	90- 95	68.03	955.5	74.3,74.3
100	185.3	122.6	0.7786	129.4	195.9	130.6	0.7921	122.6	95-100	63.49	1019	79.3,79.3
105	174.6	113.6	0.7291	120.3	185.2	121.3	0.6790	112.3	100-105	57.94	1077	83.8,83.8
110	162.5	100.9	0.6657	107.5	173.0	108.6	0.5793	98.68	105-110	51.38	1128	87.8,87.8
115	147.5	85.97	0.6158	92.56	157.6	93.59	0.5477	84.17	110-115	43.95	1172	91.2,91.2
120	129.1	69.53	0.5976	76.32	138.9	77.23	0.5522	67.78	115-120	35.93	1208	94,94
125	109.4	52.32	0.5796	59.05	118.6	59.82	0.5659	50.69	120-125	28.02	1236	96.2,96.2
130	88.30	35.28	0.5793	41.34	96.78	41.91	0.5885	35.34	125-130	20.57	1257	97.8,97.8
135	66.28	18.81	0.5975	24.27	74.01	25.03	0.6021	19.25	130-135	13.90	1271	98.8,98.8
140	44.04	4.223	0.6067	8.769	50.80	9.518	0.6066	5.629	135-140	8.315	1279	99.5,99.5
145	22.86	0.9190	0.6428	1.489	28.52	1.598	0.9738	1.603	140-145	4.089	1283	99.8,99.8
150	2.369	0.8645	0.7379	1.408	7.968	1.503	1.711	1.580	145-150	1.360	1284	99.9,99.9
155	1.195	0.8237	0.7515	1.363	1.204	1.512	1.620	1.598	150-155	0.3506	1285	99.9,99.9
160	1.010	0.7969	1.317	1.344	1.027	1.516	1.630	1.603	155-160	0.2786	1285	100,100
165	0.8650	1.133	1.381	1.390	0.8641	1.526	1.639	1.594	160-165	0.2257	1285	100,100
170	0.7515	1.453	1.444	1.444	0.7379	1.535	1.621	1.584	165-170	0.1658	1285	100,100
175	0.7379	1.489	1.526	1.521	0.7332	1.548	1.612	1.575	170-175	0.1026	1286	100,100
180	0.7424	1.553	1.584	1.607	0.7424	1.553	1.584	1.612	175-180	0.0353	1286	100,100
DEG	LUMINOUS INTENSITY:cd MAX  (Ii - Iavg)/Iavg (0-135) = 99.6 %									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	38279	893
80	19623	1346
75	13333	1604
70	10130	1761
65	8161	1859
60	6807	1927
55	5805	1974
50	5024	2010
45	4384	2037

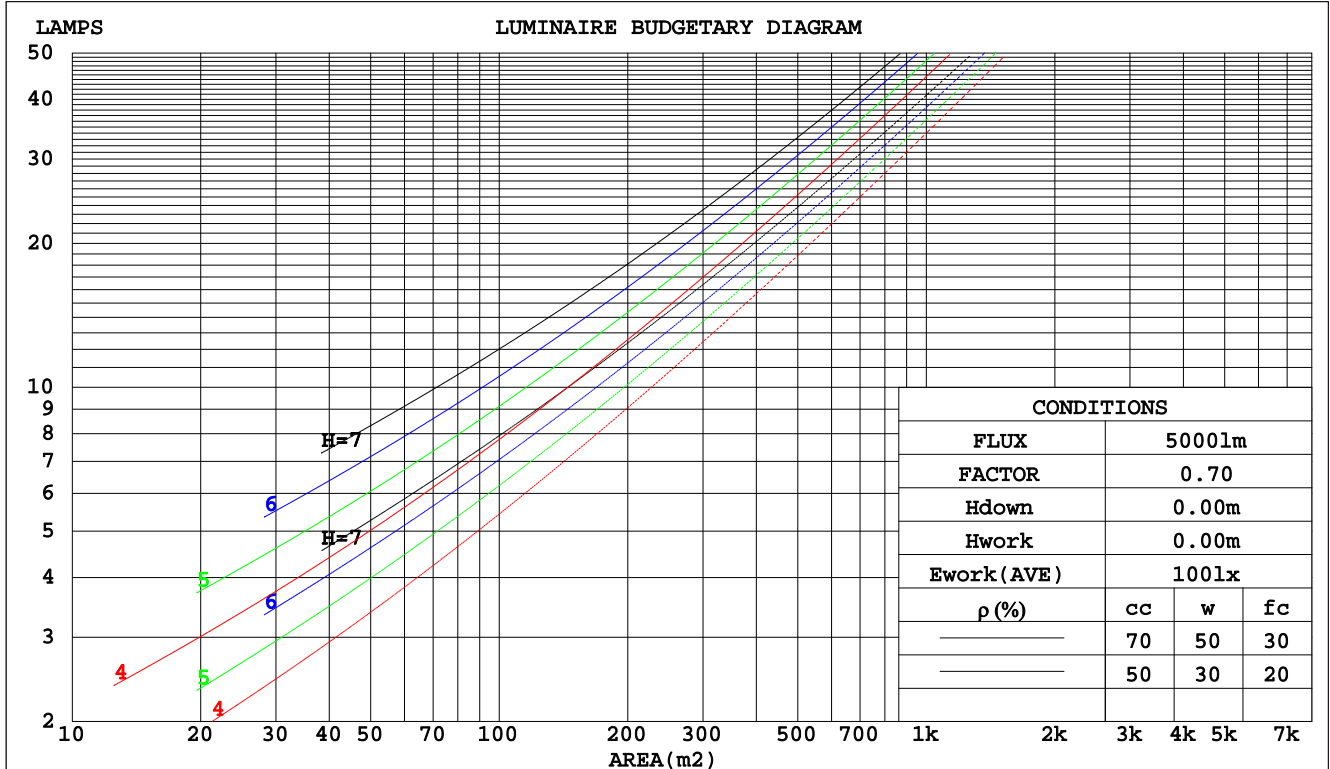
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:yechihong  
Test Date:2019-10-17

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
Humidity:70%  
Test Distance:8.425m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.05	1.05	1.05	.94	.94	.94	.83	.83	.83	.74	.74	.74	.69
1.0	.89	.83	.78	.84	.79	.74	.74	.70	.66	.65	.61	.58	.56	.53	.51	.46
2.0	.75	.66	.59	.70	.63	.56	.62	.55	.50	.54	.49	.44	.46	.42	.39	.35
3.0	.64	.54	.47	.60	.51	.44	.53	.45	.40	.46	.40	.35	.39	.34	.31	.27
4.0	.56	.46	.38	.52	.43	.36	.46	.38	.32	.40	.33	.28	.34	.29	.25	.21
5.0	.49	.39	.32	.46	.37	.30	.40	.33	.27	.35	.29	.24	.30	.25	.21	.18
6.0	.44	.34	.27	.41	.32	.26	.36	.28	.23	.31	.25	.20	.27	.22	.18	.15
7.0	.39	.30	.23	.37	.28	.22	.32	.25	.20	.28	.22	.17	.24	.19	.15	.13
8.0	.35	.26	.20	.33	.25	.19	.29	.22	.17	.26	.20	.15	.22	.17	.13	.11
9.0	.32	.24	.18	.30	.22	.17	.27	.20	.15	.24	.18	.13	.20	.15	.12	.10
10.0	.29	.21	.16	.28	.20	.15	.25	.18	.13	.22	.16	.12	.19	.14	.11	.09



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION 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	.443	.252	.080	.427	.243	.077	.395	.227	.072	.366	.211	.068	.340	.197	.063	
2.0	.368	.202	.062	.353	.194	.060	.324	.180	.056	.298	.167	.052	.273	.154	.049	
3.0	.319	.170	.051	.305	.163	.049	.279	.151	.046	.255	.140	.043	.233	.129	.040	
4.0	.283	.147	.043	.270	.141	.042	.246	.131	.039	.224	.120	.036	.204	.111	.034	
5.0	.254	.129	.037	.242	.124	.036	.221	.115	.034	.200	.106	.031	.181	.097	.029	
6.0	.231	.116	.033	.220	.111	.032	.200	.103	.030	.182	.094	.028	.164	.086	.026	
7.0	.211	.104	.030	.202	.100	.029	.183	.093	.027	.166	.085	.025	.150	.078	.023	
8.0	.195	.095	.027	.186	.092	.026	.169	.084	.024	.153	.078	.022	.138	.071	.021	
9.0	.181	.087	.024	.173	.084	.024	.157	.078	.022	.142	.071	.020	.128	.065	.019	
10.0	.169	.081	.022	.161	.078	.022	.146	.072	.020	.132	.066	.019	.119	.060	.017	

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	.426	.426	.426	.364	.364	.364	.249	.249	.249	.143	.143	.143	.046	.046	.046	
1.0	.427	.393	.362	.366	.337	.311	.250	.232	.215	.144	.134	.125	.046	.043	.040	
2.0	.422	.371	.328	.361	.319	.284	.248	.221	.198	.143	.129	.116	.046	.042	.038	
3.0	.415	.355	.308	.356	.307	.267	.244	.213	.187	.141	.124	.110	.045	.040	.036	
4.0	.407	.344	.295	.349	.297	.256	.240	.207	.181	.139	.121	.107	.045	.039	.035	
5.0	.399	.334	.286	.343	.289	.249	.236	.202	.176	.137	.119	.104	.044	.039	.034	
6.0	.391	.327	.280	.336	.283	.244	.232	.198	.173	.135	.116	.103	.043	.038	.034	
7.0	.384	.320	.276	.330	.278	.240	.228	.195	.170	.133	.115	.101	.043	.038	.033	
8.0	.377	.315	.272	.325	.273	.237	.225	.192	.168	.131	.113	.100	.042	.037	.033	
9.0	.371	.310	.269	.319	.269	.235	.221	.189	.167	.129	.112	.099	.042	.037	.033	
10.0	.365	.306	.267	.314	.266	.233	.218	.187	.166	.127	.111	.099	.041	.036	.033	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm										
NAME: FTS4241800L30D1WH					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:201901017A0001		
MFR.: AFX					SUR.:0.52X0.06X2			PROTECTION 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	18.1	19.4	18.7	20.1	20.9	12.8	14.1	13.5	14.8	15.6
3H	21.6	22.8	22.3	23.5	24.4	14.4	15.6	15.1	16.4	17.2
4H	23.5	24.6	24.2	25.4	26.2	15.1	16.3	15.8	17.0	17.9
6H	25.6	26.6	26.3	27.4	28.3	15.6	16.7	16.3	17.4	18.4
8H	26.7	27.7	27.4	28.5	29.4	15.8	16.8	16.5	17.6	18.5
12H	28.0	29.0	28.7	29.8	30.7	15.9	16.9	16.6	17.6	18.6
4H 2H	18.6	19.8	19.3	20.5	21.4	15.4	16.6	16.1	17.3	18.2
3H	22.4	23.4	23.1	24.2	25.1	17.5	18.5	18.2	19.3	20.2
4H	24.5	25.4	25.3	26.2	27.2	18.5	19.4	19.2	20.2	21.1
6H	26.8	27.6	27.6	28.5	29.4	19.3	20.1	20.0	20.9	21.9
8H	28.1	28.9	28.9	29.7	30.7	19.5	20.3	20.3	21.2	22.2
12H	29.5	30.2	30.3	31.1	32.1	19.7	20.5	20.6	21.3	22.3
8H 4H	24.9	25.6	25.7	26.5	27.5	20.7	21.4	21.5	22.3	23.3
6H	27.5	28.2	28.3	29.0	30.0	22.0	22.7	22.9	23.6	24.6
8H	29.0	29.6	29.8	30.5	31.5	22.7	23.3	23.5	24.1	25.2
12H	30.7	31.2	31.6	32.1	33.2	23.1	23.7	24.0	24.6	25.6
12H 4H	24.9	25.6	25.7	26.4	27.5	21.4	22.1	22.2	22.9	24.0
6H	27.6	28.2	28.5	29.1	30.1	23.1	23.7	23.9	24.5	25.6
8H	29.2	29.8	30.1	30.7	31.7	24.0	24.5	24.8	25.4	26.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.1				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 1286 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.9)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

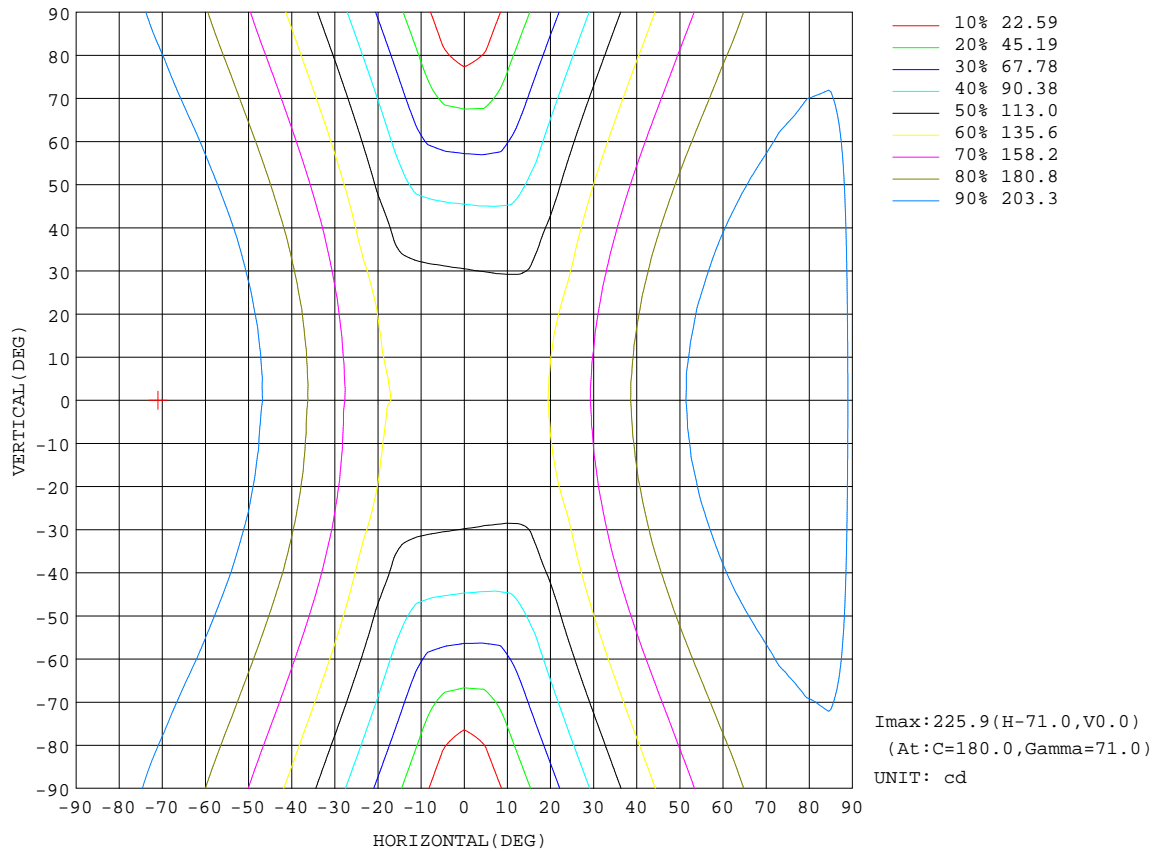
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	39	26	19	38	26	18	36	25	18	11
0.80	48	34	25	46	33	25	43	31	24	15
1.00	55	41	31	53	40	31	49	40	29	19
1.25	62	48	38	59	46	37	54	43	35	24
1.50	68	53	43	64	51	42	58	47	39	27
2.00	75	62	52	71	59	50	64	54	47	32
2.50	80	68	59	76	65	56	68	59	52	36
3.00	84	73	64	80	70	62	71	63	56	40
4.00	90	80	72	85	76	69	76	69	63	44
5.00	93	85	77	88	80	74	78	72	67	48
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

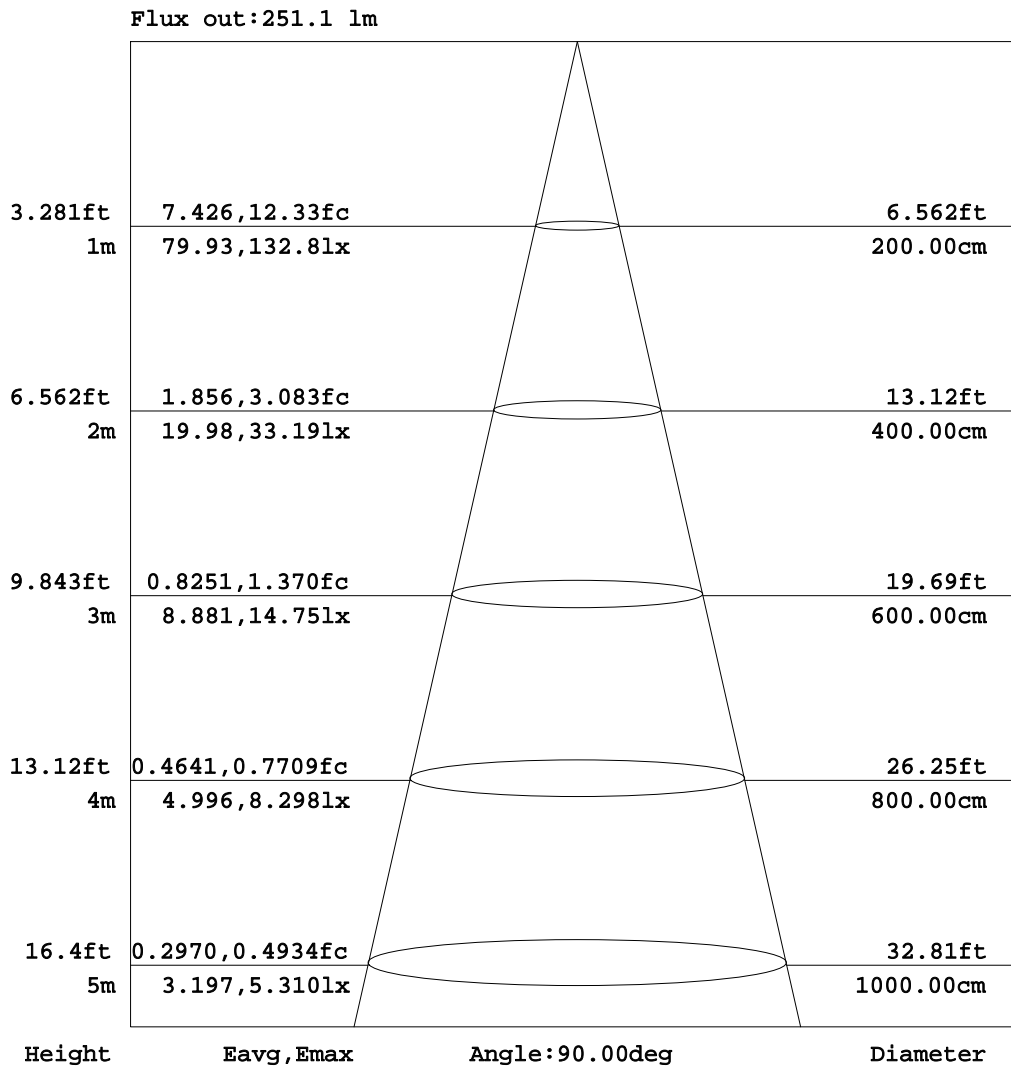


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

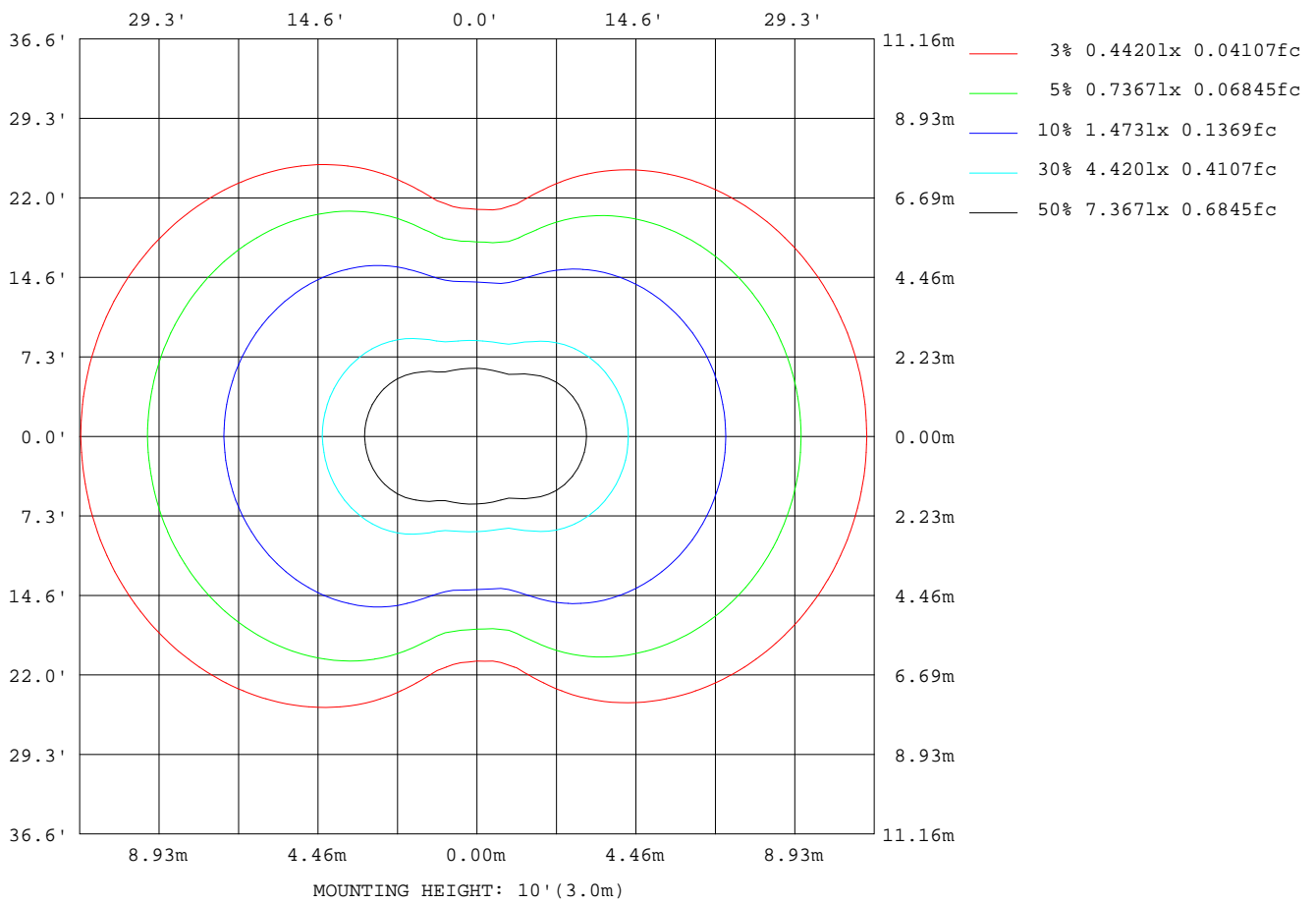
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

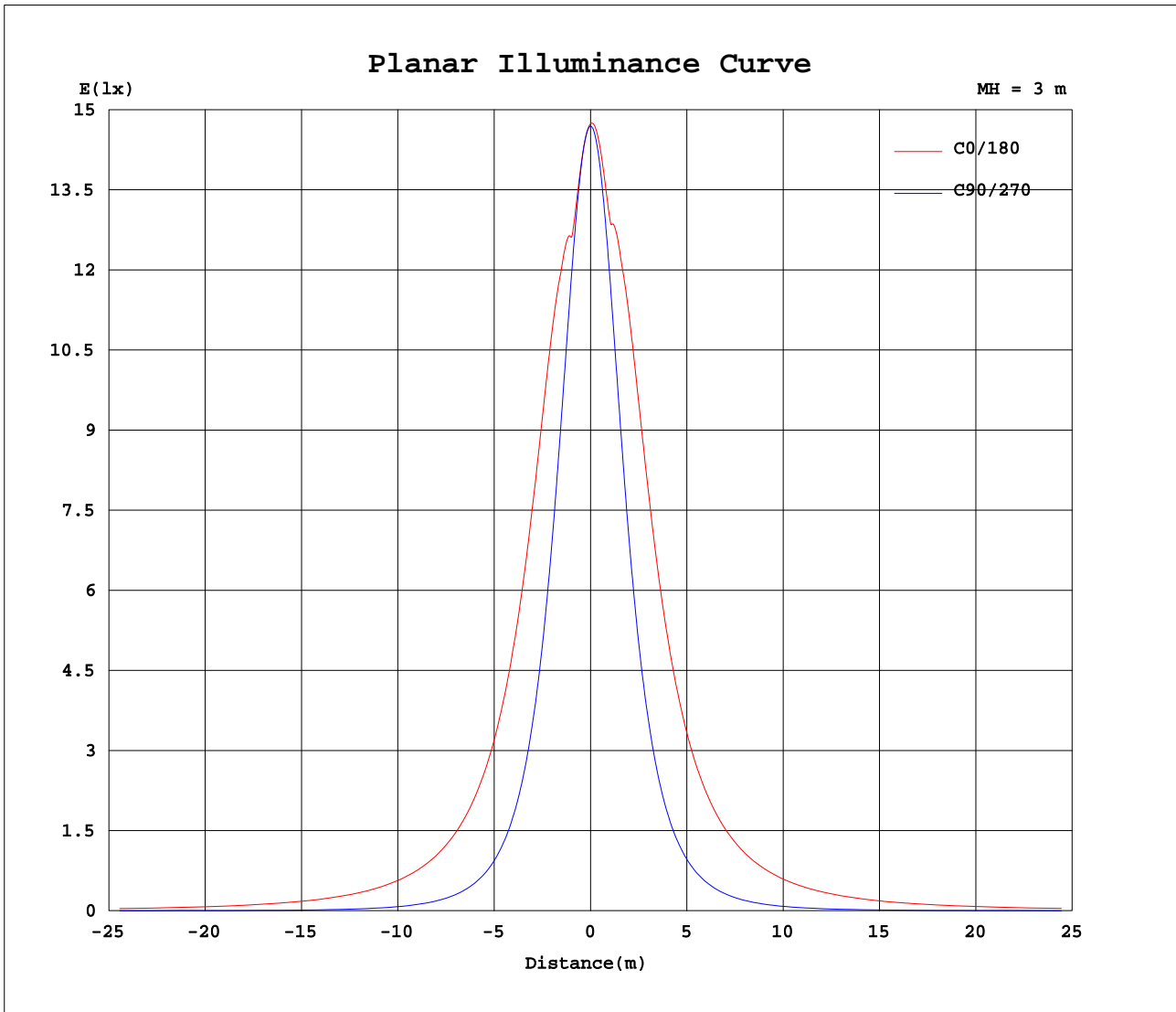
Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	133	133	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
5	132	132	132	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	132
10	131	131	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
15	130	130	130	129	129	129	128	128	128	128	127	127	127	127	127	127	127	127	127
20	137	137	136	134	132	130	129	127	126	125	125	124	124	123	123	123	123	123	123
25	148	148	147	145	143	141	138	134	130	125	122	121	120	119	118	118	118	118	119
30	160	159	158	156	153	149	145	141	137	131	126	119	116	114	113	113	112	112	113
35	173	172	170	168	164	160	155	149	142	136	129	123	115	109	107	106	106	106	106
40	184	183	181	178	175	170	164	157	150	142	133	124	116	107	101	99.0	98.1	98.0	98.3
45	193	192	191	187	183	178	172	164	156	147	137	127	116	107	96.6	91.4	89.8	89.6	89.9
50	201	201	199	195	191	185	178	170	161	151	140	129	117	105	94.6	84.3	81.0	80.4	80.6
55	208	207	205	201	196	190	183	174	164	154	142	130	117	104	91.1	79.8	71.9	70.7	70.7
60	212	211	209	205	200	194	186	177	167	155	143	130	117	103	88.5	75.1	63.3	60.3	60.1
65	215	214	212	208	202	196	187	178	167	156	143	130	115	101	85.6	70.4	57.0	49.7	49.0
70	216	215	213	209	203	196	188	178	167	155	142	128	113	97.6	82.0	66.2	50.6	39.2	37.6
75	215	214	212	208	202	195	186	176	165	152	139	125	109	93.8	77.7	61.5	45.1	30.2	25.9
80	213	212	209	205	199	192	183	173	161	149	135	120	105	89.1	72.7	56.2	39.5	23.1	14.6
85	208	207	205	201	195	187	178	168	156	144	130	115	99.7	83.6	67.0	50.4	33.4	16.9	4.85
90	202	201	198	194	188	181	172	162	150	138	124	109	93.3	77.3	60.6	43.9	27.0	10.7	0.89
95	194	194	191	187	181	174	165	155	143	131	117	102	86.7	70.7	54.2	37.6	20.2	4.13	0.84
100	185	184	182	178	172	165	156	146	135	123	109	94.7	79.4	63.6	46.2	28.7	11.1	0.62	0.78
105	175	174	171	168	162	155	146	137	126	114	100	85.3	69.3	52.9	35.6	18.4	2.96	0.60	0.73
110	163	162	159	156	150	143	135	125	113	101	87.1	72.6	56.9	40.9	24.1	8.34	0.65	0.59	0.67
115	147	147	144	140	134	128	119	110	98.2	86.0	72.5	58.6	43.5	28.0	12.5	0.67	0.58	0.56	0.62
120	129	129	126	122	116	110	102	92.4	81.4	69.5	56.7	43.9	29.5	15.5	2.35	0.66	0.61	0.58	0.60
125	109	109	106	103	97.3	91.2	82.8	74.0	63.2	52.3	40.9	28.9	16.1	4.41	0.73	0.67	0.62	0.60	0.58
130	88.3	87.8	85.4	82.3	76.9	70.9	63.0	54.6	44.8	35.3	24.8	14.5	3.73	0.77	0.71	0.66	0.61	0.58	0.58
135	66.3	65.9	63.6	60.7	55.7	50.2	43.1	35.5	27.0	18.8	10.2	1.45	0.80	0.73	0.69	0.66	0.61	0.60	0.60
140	44.0	43.7	41.6	39.1	34.8	30.1	23.8	17.8	11.1	4.22	0.89	0.81	0.76	0.72	0.69	0.67	0.62	0.62	0.61
145	22.9	22.5	20.8	18.8	15.3	11.7	6.73	1.65	0.97	0.92	0.89	0.85	0.83	0.73	0.70	0.67	0.65	0.63	0.64
150	2.37	2.14	1.43	1.12	1.04	1.00	0.96	0.92	0.89	0.86	0.84	0.82	0.81	0.80	0.77	0.76	0.74	0.74	0.74
155	1.20	0.99	0.91	0.91	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.81	0.79	0.79	0.77	0.76	0.75	0.75	0.75
160	1.01	0.83	0.82	0.82	0.82	0.82	0.81	0.81	0.81	0.80	0.80	0.86	1.06	1.26	1.33	1.32	1.32	1.32	1.32
165	0.87	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.92	1.13	1.38	1.41	1.40	1.39	1.39	1.38	1.38	1.38
170	0.75	0.75	0.75	0.75	0.76	0.77	1.00	1.25	1.46	1.45	1.46	1.45	1.44	1.44	1.44	1.44	1.44	1.45	1.44
175	0.74	0.74	0.74	0.75	1.01	1.30	1.50	1.50	1.49	1.49	1.50	1.50	1.50	1.50	1.51	1.51	1.52	1.52	1.53
180	0.74	0.75	0.99	1.29	1.54	1.55	1.54	1.54	1.55	1.55	1.56	1.56	1.57	1.57	1.57	1.58	1.58	1.58	1.58

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	132	132	132	132	132	132	132	133	133	133	133	133	133	133	133	133	132	133	133
5	132	132	132	132	132	132	133	133	133	133	133	133	133	133	133	133	133	133	133
10	130	130	131	131	131	131	132	132	132	133	133	133	133	133	134	134	134	134	134
15	128	128	128	129	129	130	130	131	132	132	133	133	133	134	134	134	134	135	135
20	124	124	125	125	126	127	128	129	130	131	132	134	135	136	137	138	139	139	139
25	119	120	121	121	123	124	126	127	130	133	138	142	145	147	149	151	151	152	152
30	113	114	115	117	118	120	124	130	136	142	146	151	154	158	160	162	163	164	164
35	107	108	109	111	114	118	127	135	141	148	154	160	165	170	173	175	177	178	177
40	99.2	100	102	105	111	121	129	138	147	156	163	170	176	180	184	187	188	190	189
45	90.9	92.3	95.0	100.0	111	121	132	143	153	162	171	178	184	190	194	197	199	200	200
50	81.8	83.6	87.8	98.2	110	122	135	146	157	168	177	185	192	198	202	205	207	209	208
55	72.0	74.6	82.5	95.1	109	123	136	149	161	171	181	190	198	204	209	212	214	216	215
60	61.8	65.9	78.3	92.3	108	122	136	150	162	174	184	194	202	208	213	217	219	221	220
65	51.2	59.0	73.4	89.6	106	121	136	150	163	175	186	195	204	211	216	220	223	224	224
70	40.6	52.8	69.4	86.1	103	118	134	148	162	174	186	196	204	212	217	222	224	226	225
75	31.3	47.2	64.6	81.7	98.6	115	131	146	160	172	184	195	203	211	217	221	224	225	224
80	24.0	41.5	59.3	76.7	93.9	110	127	142	156	169	181	191	201	208	214	219	221	223	222
85	17.8	35.4	53.4	70.9	88.3	105	121	137	151	164	176	187	196	204	210	214	217	219	218
90	11.4	28.9	46.8	64.4	81.8	98.5	115	130	145	158	170	181	190	198	204	208	211	213	212
95	4.61	22.0	40.4	57.8	75.1	91.7	108	123	138	151	163	173	183	190	196	201	203	205	204
100	0.97	12.5	31.2	49.6	67.7	84.2	100	115	129	142	154	165	174	181	187	192	194	196	195
105	0.90	3.96	20.5	38.8	56.8	73.9	90.6	106	120	133	145	155	164	171	177	181	184	185	184
110	0.83	1.07	10.0	26.8	44.5	61.4	77.8	93.0	107	120	133	143	152	159	165	169	172	173	172
115	0.73	0.90	1.25	15.0	31.4	47.7	63.7	78.5	92.6	105	117	127	136	143	149	153	156	158	157
120	0.67	0.81	1.06	4.67	18.6	33.4	48.6	62.7	76.3	88.5	99.8	109	118	125	131	135	138	139	138
125	0.62	0.73	0.96	1.21	7.05	19.5	33.1	46.2	59.1	70.5	81.3	90.5	98.9	105	111	115	117	119	118
130	0.57	0.66	0.88	1.10	1.29	7.05	18.4	29.8	41.3	51.9	62.0	70.5	78.4	84.5	89.9	93.3	95.8	96.8	95.8
135	0.58	0.64	0.83	1.04	1.20	1.34	4.60	14.6	24.3	33.3	42.4	50.0	57.2	62.7	67.6	70.8	73.2	74.0	73.1
140	0.60	0.64	0.82	1.01	1.17	1.25	1.35	1.51	8.77	16.2	23.6	30.0	36.2	40.9	45.3	48.0	50.1	50.8	50.0
145	0.63	0.67	0.82	1.02	1.15	1.29	1.35	1.41	1.49	1.61	5.96	11.7	16.7	20.4	24.0	26.2	28.0	28.5	27.8
150	0.73	0.77	0.93	1.11	1.22	1.26	1.31	1.35	1.41	1.46	1.51	1.57	1.61	1.86	3.49	5.51	7.44	7.97	7.29
155	0.75	0.86	1.04	1.23	1.25	1.27	1.30	1.33	1.36	1.40	1.43	1.48	1.51	1.54	1.55	1.57	1.58	1.20	1.44
160	1.31	1.30	1.30	1.30	1.31	1.32	1.32	1.33	1.34	1.38	1.40	1.43	1.45	1.47	1.48	1.49	1.50	1.03	1.28
165	1.38	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.39	1.39	1.41	1.42	1.43	1.45	1.46	1.47	1.47	0.86	1.14
170	1.44	1.44	1.44	1.43	1.44	1.44	1.44	1.44	1.44	1.45	1.45	1.47	1.47	1.47	1.47	1.47	1.47	0.74	1.01
175	1.52	1.53	1.52	1.52	1.52	1.53	1.53	1.53	1.52	1.52	1.52	1.53	1.53	1.52	1.52	1.51	1.49	0.73	0.86
180	1.59	1.59	1.59	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.60	1.60	1.59	1.58	1.57	1.55	1.53	0.74	0.75

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
5	133	133	133	133	133	133	133	133	133	132	132	132	132	132	132	132	132	132	132
10	134	134	134	133	133	133	133	132	132	132	132	131	131	131	131	130	130	130	130
15	134	134	134	134	133	133	132	132	131	130	130	129	129	128	128	128	128	127	127
20	138	137	136	135	134	133	131	130	129	128	127	127	126	125	125	124	124	124	124
25	151	150	148	145	142	138	133	130	128	126	124	123	122	121	120	120	119	119	119
30	163	161	158	155	151	147	142	136	130	124	121	119	117	116	115	114	114	113	113
35	176	174	170	166	161	155	148	142	135	127	119	114	112	110	109	108	107	106	107
40	187	185	181	176	170	164	156	147	138	130	121	111	106	103	102	100	99.5	98.9	99.1
45	198	195	190	185	179	171	163	153	143	132	122	112	101	96.0	93.6	91.9	91.1	90.6	91.0
50	206	203	198	193	185	177	168	158	147	135	122	110	98.9	88.7	85.1	83.0	82.1	81.6	82.3
55	213	210	205	198	191	182	172	161	149	137	123	109	96.0	83.3	76.1	73.4	72.3	71.8	73.2
60	218	214	209	202	194	185	175	163	150	137	123	108	93.1	79.1	67.3	63.2	61.8	61.6	64.5
65	221	217	212	205	196	187	176	164	150	136	122	106	90.4	74.3	60.1	52.7	50.8	50.9	57.7
70	223	218	213	206	197	187	175	163	149	135	119	103	87.0	70.3	54.1	42.2	39.5	40.5	51.4
75	222	218	212	205	196	185	173	161	147	132	116	99.6	82.9	65.6	48.4	32.8	27.9	31.1	45.7
80	220	215	209	202	193	182	170	157	143	128	112	95.0	77.9	60.4	42.8	25.3	16.5	23.8	40.1
85	215	211	205	197	188	177	165	152	138	122	106	89.5	72.3	54.6	36.8	19.0	6.35	17.5	34.2
90	209	205	199	191	182	171	159	146	132	116	100	83.1	65.9	48.1	30.4	12.7	0.85	11.3	27.8
95	202	197	191	184	175	164	152	139	125	109	93.2	76.3	59.2	41.6	23.7	5.97	0.79	4.87	21.4
100	193	188	182	175	166	155	144	131	117	101	85.6	69.0	51.2	32.7	14.3	0.94	0.79	0.67	12.4
105	182	178	172	165	156	146	134	121	108	91.9	75.5	58.0	40.3	21.8	5.11	0.76	0.68	0.62	3.81
110	170	166	160	153	144	134	122	109	94.5	79.0	62.9	45.7	28.2	10.9	0.78	0.65	0.58	0.53	0.56
115	154	150	144	137	128	118	107	93.6	79.9	64.8	49.1	32.4	16.2	1.52	0.68	0.58	0.55	0.51	0.56
120	136	132	126	119	111	101	89.7	77.2	64.1	49.5	34.6	19.3	5.51	0.73	0.63	0.56	0.55	0.54	0.60
125	116	112	107	99.8	91.8	82.1	71.8	59.8	47.4	33.9	20.5	7.47	0.79	0.67	0.59	0.55	0.57	0.57	0.62
130	94.0	90.2	85.7	79.3	72.0	62.7	52.9	41.9	30.7	18.9	7.72	0.83	0.71	0.63	0.57	0.55	0.59	0.58	0.63
135	71.5	68.0	64.0	58.1	51.6	43.5	34.8	25.0	15.4	5.11	0.94	0.80	0.69	0.59	0.55	0.56	0.60	0.59	0.63
140	48.6	45.4	41.9	36.7	31.2	24.3	17.4	9.52	1.69	1.19	0.88	0.71	0.62	0.57	0.55	0.58	0.61	0.59	0.63
145	26.7	24.1	21.2	17.0	12.6	6.46	1.77	1.60	1.61	1.62	1.54	1.37	1.22	1.08	1.00	0.98	0.97	0.99	1.05
150	6.16	3.53	1.98	1.59	1.57	1.53	1.51	1.50	1.50	1.51	1.53	1.55	1.58	1.63	1.66	1.69	1.71	1.70	1.70
155	1.50	1.52	1.53	1.52	1.53	1.53	1.52	1.51	1.51	1.51	1.51	1.52	1.53	1.56	1.58	1.60	1.62	1.60	1.58
160	1.48	1.49	1.51	1.52	1.52	1.51	1.51	1.52	1.53	1.52	1.53	1.54	1.56	1.58	1.59	1.61	1.63	1.62	1.60
165	1.41	1.50	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.54	1.56	1.57	1.57	1.59	1.62	1.63	1.64	1.63	1.61
170	1.30	1.51	1.53	1.53	1.53	1.52	1.53	1.53	1.54	1.55	1.56	1.57	1.58	1.60	1.61	1.62	1.62	1.62	1.61
175	1.17	1.47	1.53	1.54	1.54	1.54	1.54	1.55	1.55	1.56	1.57	1.58	1.58	1.60	1.61	1.61	1.61	1.61	1.61
180	0.99	1.30	1.54	1.55	1.55	1.55	1.54	1.55	1.56	1.56	1.56	1.57	1.57	1.58	1.58	1.58	1.58	1.59	1.59

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.1994A P:23.87W PF:0.9910 Lamp Flux:1285.57x1 lm		
NAME: FTS4241800L30D1WH	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201901017A0001
MFR.: AFX	SUR.:0.52X0.06X2	PROTECTION ANGLE:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	132	132	132	132	132	133	133	133	133	133	133	133	133	133	132				
5	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132				
10	130	130	130	130	130	130	130	130	130	130	130	131	131	131	131				
15	127	127	127	127	128	128	128	128	129	129	129	130	130	130	130				
20	123	124	124	124	124	125	126	127	128	129	131	133	135	136	137				
25	119	119	119	120	121	123	125	130	134	138	141	143	146	147	148				
30	113	114	115	116	119	126	132	137	142	146	150	153	156	158	160				
35	107	108	110	115	123	130	136	143	149	155	160	165	168	171	172				
40	99.8	102	108	117	125	133	142	150	158	164	170	175	179	181	183				
45	92.3	97.1	107	116	127	137	147	156	165	172	178	184	188	191	193				
50	85.1	95.2	105	117	129	141	151	161	170	178	185	191	195	199	201				
55	80.2	91.7	104	118	131	143	154	165	174	183	190	197	202	205	207				
60	75.7	88.9	103	117	131	144	156	167	177	186	194	201	206	209	212				
65	70.7	86.0	101	116	130	143	156	168	178	188	196	203	208	212	215				
70	66.6	82.4	97.9	113	128	142	155	167	178	188	196	203	209	213	215				
75	61.9	78.1	94.1	110	125	139	153	165	176	186	195	202	208	212	215				
80	56.6	73.2	89.5	105	121	135	149	162	173	183	192	199	205	209	212				
85	50.8	67.5	83.9	100	115	130	144	157	168	179	187	195	201	205	207				
90	44.5	61.2	77.6	93.8	109	124	138	151	162	172	181	189	194	199	201				
95	38.2	54.8	71.0	87.1	102	117	131	143	155	165	174	181	187	191	194				
100	29.7	47.3	64.0	79.7	94.7	109	123	135	146	156	165	172	178	182	184				
105	19.3	36.7	53.3	69.5	84.7	99.3	112	125	136	146	155	162	167	171	174				
110	8.93	24.8	40.7	56.6	71.7	85.9	98.7	111	122	133	143	150	155	159	162				
115	0.66	13.4	28.2	42.8	56.3	71.3	84.2	95.6	106	115	124	133	140	144	147				
120	0.65	3.58	16.0	30.0	43.0	55.1	67.8	80.1	89.7	97.9	105	113	120	126	128				
125	0.67	0.72	5.22	16.9	29.0	41.2	50.7	61.8	72.4	81.4	87.7	93.0	97.8	105	109				
130	0.68	0.73	0.77	5.01	14.8	25.4	35.3	44.4	53.2	62.7	69.6	74.8	76.9	80.7	87.2				
135	0.67	0.71	0.74	0.78	1.74	10.9	19.2	28.0	35.9	42.5	49.3	55.4	58.5	58.9	61.9				
140	0.67	0.71	0.78	0.95	1.21	1.43	5.63	12.3	18.5	25.0	29.6	34.2	38.6	40.7	38.5				
145	1.19	1.34	1.50	1.67	1.72	1.65	1.60	1.58	2.47	8.07	12.3	16.2	18.5	21.2	21.7				
150	1.71	1.68	1.65	1.63	1.61	1.60	1.58	1.58	1.56	1.56	1.56	1.55	1.59	2.01	2.43				
155	1.60	1.60	1.61	1.62	1.61	1.60	1.60	1.59	1.58	1.57	1.56	1.54	1.53	1.50	1.49				
160	1.60	1.61	1.61	1.61	1.61	1.60	1.60	1.60	1.58	1.57	1.56	1.54	1.52	1.49	1.48				
165	1.60	1.60	1.61	1.61	1.61	1.61	1.59	1.58	1.57	1.56	1.55	1.54	1.52	1.49	1.48				
170	1.59	1.59	1.58	1.58	1.59	1.58	1.58	1.58	1.58	1.55	1.54	1.52	1.51	1.48	1.47				
175	1.61	1.61	1.60	1.59	1.59	1.58	1.58	1.58	1.57	1.56	1.55	1.53	1.51	1.48	1.48				
180	1.59	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.60	1.59	1.59	1.58	1.57	1.55	1.53				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:yechihong  
 Test Date:2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity:70%  
 Test Distance:8.425m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	132.6	132.6	132.5	132.5	132.4	132.4	132.4	132.4	132.3	132.3
2.5	132.2	132.1	132.0	132.0	131.9	131.9	131.9	131.9	131.8	131.8
5.0	131.7	131.6	131.5	131.5	131.4	131.4	131.3	131.3	131.3	131.2
7.5	131.2	131.1	131.0	130.8	130.8	130.8	130.7	130.7	130.6	130.6
10.0	130.7	130.6	130.4	130.2	130.1	130.1	130.0	129.8	129.7	129.7
12.5	130.3	130.1	129.9	129.7	129.6	129.4	129.2	129.0	128.8	128.6
15.0	130.2	130.0	129.7	129.4	129.2	128.8	128.5	128.1	127.8	127.6
17.5	131.4	131.1	130.6	129.9	129.4	128.7	128.0	127.4	126.8	126.4
20.0	137.1	136.5	135.7	134.1	132.4	130.2	128.5	127.2	126.1	125.3
22.5	143.0	142.4	141.6	140.1	138.3	135.7	132.8	129.1	126.3	124.5
25.0	148.3	147.6	146.7	145.1	143.2	140.5	137.6	133.8	129.6	124.9
27.5	153.6	152.8	151.7	149.8	147.7	144.8	141.6	137.7	133.5	128.3
30.0	160.2	159.4	158.2	155.8	153.0	149.2	145.3	141.1	136.5	131.3
32.5	166.5	165.8	164.4	161.9	158.9	154.7	150.1	144.5	139.2	133.7
35.0	172.6	171.8	170.3	167.7	164.4	159.9	155.0	149.0	142.5	135.7
37.5	178.4	177.6	176.0	173.1	169.6	164.9	159.6	153.2	146.3	138.5
40.0	183.8	182.9	181.2	178.2	174.6	169.5	163.9	157.1	149.8	141.6
42.5	188.8	187.9	186.1	183.0	179.1	173.8	167.9	160.8	153.0	144.4
45.0	193.4	192.5	190.6	187.4	183.3	177.8	171.6	164.1	156.0	146.9
47.5	197.7	196.7	194.8	191.4	187.1	181.4	174.9	167.1	158.6	149.1
50.0	201.5	200.5	198.5	195.0	190.5	184.6	177.9	169.8	160.8	151.0
52.5	204.9	204.0	201.8	198.3	193.6	187.4	180.4	172.1	162.8	152.5
55.0	207.8	206.9	204.7	201.0	196.2	189.9	182.6	174.0	164.4	153.8
57.5	210.3	209.4	207.2	203.4	198.5	192.0	184.4	175.5	165.6	154.8
60.0	212.4	211.5	209.2	205.3	200.2	193.6	185.8	176.7	166.6	155.4
62.5	214.0	213.1	210.8	206.9	201.5	194.8	186.8	177.6	167.2	155.7
65.0	215.2	214.4	211.9	207.9	202.5	195.7	187.5	178.0	167.4	155.7
67.5	215.9	215.1	212.6	208.5	203.0	196.0	187.7	178.1	167.2	155.3
70.0	216.2	215.3	212.8	208.7	203.1	196.0	187.5	177.8	166.7	154.6
72.5	215.9	215.1	212.6	208.4	202.8	195.6	187.0	177.1	165.9	153.7
75.0	215.3	214.4	211.9	207.7	202.0	194.8	186.1	176.1	164.7	152.3
77.5	214.2	213.4	210.7	206.6	200.8	193.5	184.7	174.6	163.1	150.7
80.0	212.6	211.8	209.1	205.0	199.1	191.9	183.0	172.8	161.2	148.7
82.5	210.6	209.8	207.1	203.0	197.0	189.8	180.8	170.6	159.0	146.4
85.0	208.2	207.4	204.7	200.6	194.6	187.3	178.3	168.1	156.5	143.8
87.5	205.3	204.5	201.8	197.7	191.7	184.4	175.4	165.2	153.5	140.8
90.0	202.0	201.2	198.5	194.4	188.4	181.1	172.1	162.0	150.3	137.6
92.5	198.3	197.5	194.9	190.8	184.9	177.7	168.7	158.5	146.9	134.2
95.0	194.3	193.6	190.9	186.9	180.9	173.8	164.9	154.8	143.2	130.6
97.5	190.0	189.3	186.6	182.6	176.7	169.5	160.7	150.7	139.1	126.7
100.0	185.3	184.5	181.9	177.9	172.0	164.9	156.1	146.3	134.9	122.6
102.5	180.1	179.4	176.8	172.9	166.9	160.0	151.3	141.6	130.4	118.2
105.0	174.6	173.9	171.4	167.5	161.6	154.7	146.2	136.6	125.5	113.6
107.5	168.7	168.1	165.5	161.7	155.9	149.1	140.7	131.4	120.4	107.9
110.0	162.5	161.9	159.4	155.6	149.8	143.2	134.8	125.0	113.4	100.9
112.5	155.9	155.3	152.6	148.7	142.7	135.8	127.1	117.5	106.0	93.67
115.0	147.5	146.9	144.2	140.3	134.3	127.6	119.1	109.6	98.18	85.97
117.5	138.5	137.9	135.2	131.5	125.6	119.0	110.6	101.2	89.96	77.86
120.0	129.1	128.6	126.0	122.3	116.4	110.0	101.7	92.44	81.35	69.53
122.5	119.5	118.9	116.3	112.7	107.1	100.8	92.46	83.26	72.30	60.97
125.0	109.4	108.9	106.3	102.9	97.34	91.19	82.83	73.97	63.19	52.32
127.5	99.00	98.53	95.98	92.74	87.28	81.21	72.93	64.39	54.00	43.67
130.0	88.30	87.85	85.42	82.30	76.89	70.93	63.04	54.62	44.81	35.28
132.5	77.37	76.95	74.59	71.59	66.36	60.61	53.07	44.87	35.63	27.04
135.0	66.28	65.88	63.59	60.71	55.68	50.16	43.07	35.47	26.99	18.81
137.5	55.14	54.78	52.57	49.86	45.11	39.92	33.20	26.28	18.77	11.47
140.0	44.04	43.72	41.61	39.13	34.78	30.07	23.80	17.82	11.09	4.223
142.5	33.22	32.89	30.95	28.72	24.81	20.63	15.18	9.849	3.115	0.9638
145.0	22.86	22.52	20.80	18.83	15.35	11.66	6.734	1.649	0.9735	0.9190
147.5	13.05	12.74	11.24	9.453	5.998	2.208	1.037	0.9732	0.9371	0.8961
150.0	2.369	2.140	1.435	1.116	1.042	1.004	0.9597	0.9232	0.8874	0.8645
152.5	1.277	1.114	0.9960	0.9683	0.9644	0.9460	0.9101	0.8782	0.8602	0.8375
155.0	1.195	0.9907	0.9102	0.9053	0.8966	0.8827	0.8692	0.8510	0.8330	0.8237
157.5	1.096	0.8736	0.8693	0.8553	0.8602	0.8555	0.8421	0.8329	0.8194	0.8103
160.0	1.010	0.8329	0.8195	0.8194	0.8195	0.8236	0.8148	0.8102	0.8059	0.7969
162.5	0.9191	0.7876	0.7923	0.7875	0.7923	0.7967	0.7969	0.7877	0.7923	0.8127
165.0	0.8650	0.7785	0.7786	0.7829	0.7877	0.7922	0.7878	0.7922	0.9230	1.133
167.5	0.8105	0.7604	0.7650	0.7605	0.7651	0.7696	0.7786	0.9569	1.213	1.435
170.0	0.7515	0.7513	0.7469	0.7514	0.7560	0.7656	0.9986	1.254	1.462	1.453
172.5	0.7379	0.7424	0.7424	0.7424	0.7424	0.7649	0.9966	1.285	1.476	1.471
175.0	0.7379	0.7424	0.7424	0.7515	1.009	1.295	1.498	1.498	1.494	1.489
177.5	0.7424	0.7424	0.7514	0.9882	1.299	1.521	1.521	1.526	1.526	1.530
180.0	0.7424	0.7515	0.9869	1.295	1.544	1.548	1.544	1.544	1.553	1.553

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	132.2	132.3	132.2	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5	131.8	131.9	131.9	131.9	132.0	132.0	132.0	132.1	132.1	132.2
5.0	131.2	131.3	131.3	131.4	131.4	131.5	131.5	131.6	131.7	131.8
7.5	130.5	130.6	130.5	130.6	130.6	130.7	130.7	130.8	131.0	131.1
10.0	129.6	129.6	129.5	129.5	129.5	129.7	129.7	129.8	129.9	130.2
12.5	128.5	128.4	128.3	128.3	128.3	128.4	128.3	128.5	128.7	129.0
15.0	127.2	127.1	126.9	126.8	126.7	126.8	126.8	127.0	127.2	127.5
17.5	125.9	125.6	125.3	125.1	125.0	125.0	125.0	125.0	125.2	125.8
20.0	124.6	124.0	123.6	123.3	123.0	123.0	122.9	123.2	123.4	123.8
22.5	123.2	122.3	121.6	121.2	120.8	120.7	120.7	120.8	121.1	121.5
25.0	122.3	120.7	119.6	118.9	118.4	118.2	118.1	118.3	118.5	119.0
27.5	122.8	119.3	117.5	116.6	115.8	115.5	115.3	115.5	115.7	116.3
30.0	125.6	119.0	115.6	114.0	113.0	112.6	112.3	112.4	112.7	113.3
32.5	127.8	121.0	114.3	111.5	110.1	109.4	109.0	109.2	109.5	110.1
35.0	129.5	122.6	114.8	109.2	107.0	106.1	105.6	105.7	106.0	106.7
37.5	130.8	123.6	115.8	107.4	103.9	102.7	101.9	102.0	102.3	103.0
40.0	132.8	124.3	116.3	107.3	100.9	99.03	98.08	98.03	98.33	99.22
42.5	135.1	125.1	116.3	107.3	98.25	95.27	94.06	93.91	94.21	95.15
45.0	137.1	126.7	116.0	106.8	96.64	91.44	89.84	89.59	89.86	90.88
47.5	138.9	128.0	116.5	106.0	95.87	87.70	85.51	85.10	85.34	86.43
50.0	140.4	129.0	117.1	104.9	94.59	84.30	81.03	80.44	80.63	81.78
52.5	141.5	129.8	117.4	104.6	92.95	81.56	76.52	75.63	75.74	77.00
55.0	142.4	130.3	117.5	104.2	91.07	79.79	71.92	70.65	70.67	72.02
57.5	143.1	130.5	117.3	103.7	89.68	77.61	67.47	65.50	65.47	66.96
60.0	143.3	130.5	116.9	102.9	88.52	75.09	63.35	60.29	60.12	61.75
62.5	143.3	130.1	116.3	101.9	87.14	72.44	59.73	55.00	54.62	56.48
65.0	143.0	129.6	115.3	100.7	85.61	70.40	56.96	49.67	49.02	51.16
67.5	142.4	128.7	114.2	99.25	83.87	68.40	53.86	44.36	43.34	45.84
70.0	141.5	127.6	112.8	97.64	81.99	66.25	50.56	39.22	37.57	40.64
72.5	140.3	126.2	111.2	95.84	79.91	63.94	47.78	34.52	31.73	35.76
75.0	138.8	124.5	109.4	93.78	77.67	61.50	45.12	30.21	25.91	31.34
77.5	137.0	122.6	107.3	91.55	75.24	58.91	42.35	26.64	20.18	27.66
80.0	135.0	120.4	105.0	89.11	72.66	56.18	39.47	23.08	14.58	24.05
82.5	132.6	117.9	102.5	86.48	69.93	53.33	36.51	20.00	9.359	20.90
85.0	129.9	115.2	99.68	83.63	67.02	50.36	33.44	16.94	4.855	17.78
87.5	126.9	112.2	96.59	80.54	63.91	47.21	30.26	13.80	1.791	14.61
90.0	123.7	109.0	93.30	77.28	60.63	43.92	26.97	10.69	0.8874	11.42
92.5	120.3	105.7	90.08	74.06	57.46	40.78	23.82	7.651	0.8601	8.279
95.0	116.8	102.2	86.69	70.74	54.20	37.57	20.22	4.132	0.8375	4.612
97.5	113.0	98.56	83.10	67.26	50.83	33.54	15.71	1.374	0.8104	1.694
100.0	109.0	94.66	79.36	63.57	46.19	28.70	11.06	0.6247	0.7786	0.9732
102.5	104.8	90.62	74.92	58.36	41.03	23.59	6.659	0.6110	0.7561	0.9324
105.0	100.2	85.32	69.26	52.87	35.65	18.38	2.961	0.6021	0.7291	0.8964
107.5	93.79	79.10	63.22	47.04	29.93	13.16	0.6440	0.5885	0.6973	0.8691
110.0	87.06	72.59	56.94	40.94	24.08	8.343	0.6519	0.5884	0.6657	0.8327
112.5	79.94	65.76	50.39	34.63	18.16	3.945	0.5802	0.5477	0.6430	0.7737
115.0	72.47	58.60	43.47	28.04	12.51	0.6745	0.5841	0.5568	0.6158	0.7332
117.5	64.59	51.27	36.55	21.67	7.470	0.6520	0.5975	0.5704	0.6022	0.6926
120.0	56.73	43.86	29.53	15.52	2.349	0.6610	0.6111	0.5840	0.5976	0.6698
122.5	48.82	36.39	22.57	9.783	0.7335	0.6700	0.6202	0.5975	0.5930	0.6383
125.0	40.88	28.88	16.10	4.406	0.7288	0.6700	0.6247	0.6020	0.5796	0.6202
127.5	32.92	21.42	9.966	0.7920	0.7153	0.6699	0.6158	0.5929	0.5841	0.5929
130.0	24.85	14.47	3.734	0.7650	0.7062	0.6564	0.6111	0.5841	0.5793	0.5749
132.5	17.16	8.048	0.8103	0.7469	0.6927	0.6520	0.6111	0.5841	0.5795	0.5614
135.0	10.22	1.450	0.7967	0.7335	0.6926	0.6565	0.6111	0.5975	0.5975	0.5752
137.5	3.063	0.8375	0.7831	0.7331	0.6928	0.6609	0.6157	0.6021	0.6021	0.5885
140.0	0.8871	0.8147	0.7606	0.7243	0.6926	0.6699	0.6247	0.6157	0.6067	0.5977
142.5	0.9099	0.8064	0.7560	0.7198	0.6970	0.6700	0.6338	0.6201	0.6157	0.6067
145.0	0.8873	0.8465	0.8329	0.7335	0.7016	0.6748	0.6473	0.6338	0.6428	0.6292
147.5	0.8692	0.8419	0.8149	0.8013	0.7833	0.7381	0.6743	0.6569	0.6607	0.6521
150.0	0.8377	0.8236	0.8058	0.7966	0.7742	0.7605	0.7424	0.7379	0.7379	0.7333
152.5	0.8329	0.8148	0.8014	0.7832	0.7741	0.7604	0.7469	0.7468	0.7469	0.7379
155.0	0.8148	0.8058	0.7922	0.7876	0.7741	0.7605	0.7514	0.7516	0.7515	0.7515
157.5	0.8103	0.8013	0.8013	0.8022	0.9313	1.076	1.230	1.021	0.9556	0.9991
160.0	0.8013	0.8561	1.063	1.261	1.331	1.322	1.317	1.317	1.317	1.308
162.5	1.027	1.241	1.371	1.363	1.349	1.345	1.340	1.345	1.344	1.335
165.0	1.381	1.408	1.399	1.390	1.385	1.381	1.381	1.377	1.381	1.381
167.5	1.435	1.422	1.417	1.408	1.408	1.399	1.403	1.403	1.403	1.399
170.0	1.457	1.449	1.444	1.440	1.435	1.440	1.439	1.449	1.444	1.444
172.5	1.471	1.471	1.462	1.467	1.467	1.476	1.476	1.471	1.480	1.481
175.0	1.503	1.499	1.498	1.503	1.512	1.512	1.516	1.517	1.526	1.521
177.5	1.535	1.535	1.535	1.539	1.548	1.544	1.548	1.553	1.553	1.553
180.0	1.557	1.562	1.566	1.566	1.571	1.575	1.584	1.584	1.584	1.589

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:



## Photometric Data Table [cd]

G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	132.3	132.2	132.3	132.3	132.4	132.5	132.5	132.6	132.6	132.6
2.5	132.2	132.3	132.3	132.4	132.5	132.6	132.7	132.8	132.9	132.9
5.0	131.8	132.0	132.1	132.2	132.4	132.5	132.7	132.9	133.0	133.1
7.5	131.2	131.4	131.6	131.8	132.0	132.2	132.5	132.8	133.0	133.1
10.0	130.4	130.6	130.8	131.2	131.5	131.8	132.1	132.5	132.8	133.0
12.5	129.2	129.5	129.8	130.3	130.7	131.2	131.6	132.1	132.4	132.8
15.0	127.8	128.2	128.6	129.2	129.7	130.4	130.9	131.5	132.1	132.6
17.5	126.1	126.7	127.2	127.9	128.5	129.3	130.1	130.9	131.7	132.4
20.0	124.2	124.9	125.5	126.3	127.2	128.2	129.1	130.3	131.4	132.5
22.5	122.0	122.8	123.5	124.6	125.6	126.9	128.2	129.8	131.6	133.4
25.0	119.7	120.5	121.4	122.7	124.0	125.6	127.5	129.9	133.4	137.8
27.5	117.0	118.0	119.1	120.6	122.2	124.4	127.3	132.3	137.9	142.4
30.0	114.1	115.2	116.5	118.3	120.5	123.8	129.6	135.9	141.6	146.3
32.5	111.0	112.3	113.8	116.0	119.1	124.8	132.4	138.9	144.8	149.8
35.0	107.6	109.1	111.0	113.8	118.4	126.9	134.6	141.3	147.9	154.4
37.5	104.1	105.8	108.0	111.9	119.8	128.4	136.3	143.8	151.9	158.9
40.0	100.4	102.3	105.1	110.7	120.7	129.5	138.0	147.1	155.7	163.2
42.5	96.44	98.71	102.4	111.1	121.1	130.3	140.6	150.2	159.2	167.0
45.0	92.32	95.00	99.96	111.0	121.1	131.8	142.9	152.9	162.3	170.6
47.5	88.04	91.29	99.14	110.4	121.3	133.3	144.8	155.3	165.1	173.8
50.0	83.64	87.81	98.18	109.6	122.0	134.5	146.4	157.4	167.6	176.7
52.5	79.16	84.51	96.80	109.0	122.5	135.5	147.8	159.1	169.7	179.2
55.0	74.63	82.49	95.12	108.8	122.7	136.1	148.8	160.5	171.5	181.3
57.5	70.14	80.58	93.44	108.3	122.7	136.4	149.5	161.6	172.9	183.0
60.0	65.93	78.27	92.33	107.6	122.4	136.5	149.9	162.4	173.9	184.3
62.5	61.91	75.71	91.07	106.7	121.8	136.2	149.9	162.7	174.5	185.2
65.0	58.96	73.45	89.59	105.6	120.9	135.7	149.7	162.8	174.8	185.8
67.5	56.02	71.48	87.91	104.2	119.8	134.9	149.1	162.5	174.8	186.0
70.0	52.84	69.36	86.06	102.5	118.5	133.8	148.3	161.9	174.4	185.8
72.5	49.84	67.07	83.99	100.7	116.8	132.4	147.1	160.9	173.6	185.2
75.0	47.19	64.63	81.73	98.63	114.9	130.7	145.6	159.6	172.4	184.1
77.5	44.41	62.02	79.29	96.35	112.8	128.8	143.8	157.9	170.8	182.7
80.0	41.52	59.27	76.66	93.87	110.5	126.6	141.7	155.9	169.0	180.9
82.5	38.52	56.39	73.86	91.17	107.8	124.0	139.3	153.6	166.8	178.8
85.0	35.42	53.36	70.90	88.26	105.0	121.3	136.6	151.0	164.2	176.3
87.5	32.21	50.18	67.75	85.15	101.9	118.2	133.5	148.0	161.2	173.4
90.0	28.89	46.83	64.38	81.78	98.54	114.9	130.2	144.7	157.9	170.1
92.5	25.70	43.63	61.12	78.47	95.20	111.5	126.8	141.2	154.5	166.6
95.0	21.99	40.37	57.80	75.08	91.74	108.0	123.2	137.5	150.7	162.8
97.5	17.38	36.19	54.38	71.54	88.08	104.2	119.3	133.6	146.7	158.7
100.0	12.53	31.24	49.58	67.73	84.25	100.2	115.2	129.4	142.4	154.3
102.5	7.896	25.95	44.30	62.40	79.65	96.12	110.9	125.0	137.8	149.6
105.0	3.962	20.54	38.77	56.80	73.92	90.63	106.2	120.3	132.9	144.5
107.5	1.133	15.12	32.87	50.80	67.83	84.37	99.76	114.4	127.6	139.2
110.0	1.073	10.04	26.83	44.53	61.40	77.82	93.00	107.5	120.4	132.6
112.5	1.005	5.486	20.81	38.04	54.67	70.92	85.90	100.2	113.0	125.0
115.0	0.9012	1.249	15.01	31.44	47.72	63.74	78.47	92.56	105.2	116.9
117.5	0.8467	1.104	9.683	24.86	40.57	56.25	70.71	84.59	96.97	108.5
120.0	0.8103	1.064	4.674	18.56	33.40	48.62	62.73	76.32	88.45	99.79
122.5	0.7741	1.009	1.272	12.60	26.32	40.83	54.52	67.78	79.61	90.73
125.0	0.7335	0.9596	1.209	7.051	19.52	33.12	46.21	59.05	70.50	81.35
127.5	0.6883	0.9144	1.146	1.533	13.15	25.61	37.90	50.19	61.24	71.76
130.0	0.6610	0.8781	1.100	1.290	7.049	18.44	29.76	41.34	51.86	61.96
132.5	0.6428	0.8464	1.064	1.240	1.472	11.69	21.94	32.66	42.51	52.15
135.0	0.6383	0.8283	1.041	1.204	1.336	4.595	14.57	24.27	33.35	42.36
137.5	0.6338	0.8239	1.028	1.186	1.295	1.584	7.409	16.32	24.59	32.83
140.0	0.6381	0.8194	1.014	1.168	1.254	1.349	1.506	8.769	16.21	23.61
142.5	0.6519	0.8148	1.014	1.145	1.227	1.313	1.458	1.665	8.049	14.90
145.0	0.6654	0.8195	1.023	1.150	1.290	1.349	1.413	1.489	1.613	5.957
147.5	0.7013	0.8828	1.109	1.227	1.272	1.326	1.390	1.444	1.512	1.571
150.0	0.7696	0.9327	1.109	1.222	1.263	1.308	1.354	1.408	1.458	1.507
152.5	0.7831	0.9509	1.132	1.232	1.272	1.299	1.344	1.381	1.426	1.471
155.0	0.8644	1.037	1.227	1.254	1.268	1.299	1.326	1.363	1.399	1.435
157.5	1.200	1.272	1.272	1.286	1.295	1.308	1.326	1.354	1.390	1.417
160.0	1.303	1.300	1.304	1.313	1.317	1.322	1.326	1.344	1.376	1.398
162.5	1.331	1.327	1.326	1.336	1.340	1.340	1.349	1.354	1.372	1.390
165.0	1.367	1.367	1.367	1.372	1.372	1.381	1.381	1.390	1.394	1.408
167.5	1.399	1.394	1.394	1.399	1.408	1.403	1.403	1.403	1.417	1.421
170.0	1.439	1.435	1.435	1.435	1.444	1.444	1.444	1.444	1.453	1.449
172.5	1.480	1.471	1.471	1.471	1.480	1.480	1.480	1.476	1.480	1.480
175.0	1.526	1.521	1.516	1.521	1.525	1.526	1.525	1.521	1.521	1.517
177.5	1.562	1.562	1.562	1.562	1.566	1.571	1.566	1.566	1.557	1.557
180.0	1.589	1.593	1.603	1.598	1.607	1.612	1.612	1.607	1.607	1.598

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: yechihong  
Test Date: 2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
Humidity: 70%  
Test Distance: 8.425m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	132.6	132.6	132.6	132.5	132.5	132.5	132.6	132.6	132.5	132.5
2.5	133.0	132.9	133.0	132.9	132.9	132.8	133.0	133.0	132.9	132.9
5.0	133.2	133.2	133.2	133.2	133.2	133.1	133.1	133.4	133.3	133.2
7.5	133.3	133.3	133.4	133.4	133.3	133.3	133.7	133.7	133.6	133.5
10.0	133.2	133.4	133.5	133.5	133.5	133.6	134.0	133.9	133.8	133.7
12.5	133.1	133.4	133.6	133.7	133.7	133.8	134.3	134.2	134.1	134.0
15.0	133.0	133.5	133.7	134.0	134.1	134.2	134.8	134.7	134.5	134.3
17.5	133.1	133.7	134.2	134.7	135.0	135.2	135.9	135.8	135.4	135.1
20.0	133.7	134.8	135.9	136.9	138.1	138.6	139.3	139.3	138.4	137.5
22.5	136.3	139.2	141.7	143.4	144.9	145.5	146.3	146.2	145.2	144.0
25.0	141.9	144.8	147.5	149.2	150.8	151.4	152.3	152.2	151.2	149.9
27.5	146.5	149.7	152.5	154.5	156.1	156.8	157.8	157.7	156.6	155.2
30.0	150.6	154.2	157.6	160.1	162.3	163.3	164.3	164.2	162.7	160.9
32.5	155.1	159.7	163.8	166.6	168.9	170.1	171.2	171.0	169.4	167.4
35.0	160.5	165.3	169.6	172.8	175.3	176.5	177.6	177.4	175.7	173.6
37.5	165.4	170.6	175.2	178.6	181.2	182.6	183.8	183.5	181.8	179.4
40.0	169.9	175.5	180.4	184.1	186.8	188.3	189.6	189.3	187.5	184.9
42.5	174.2	180.2	185.3	189.1	192.1	193.7	195.0	194.6	192.8	190.0
45.0	178.1	184.4	189.8	193.8	197.0	198.7	200.1	199.6	197.7	194.7
47.5	181.6	188.2	193.9	198.1	201.4	203.3	204.7	204.2	202.2	199.1
50.0	184.8	191.7	197.6	202.1	205.5	207.4	208.9	208.3	206.2	203.0
52.5	187.7	194.8	200.9	205.6	209.1	211.1	212.6	212.1	209.9	206.5
55.0	190.0	197.5	203.8	208.6	212.3	214.3	216.0	215.3	213.1	209.5
57.5	192.0	199.7	206.2	211.2	215.1	217.1	218.9	218.1	215.8	212.1
60.0	193.6	201.5	208.2	213.5	217.3	219.4	221.2	220.4	218.1	214.3
62.5	194.8	202.9	209.8	215.1	219.1	221.3	223.0	222.4	220.0	216.0
65.0	195.5	203.8	210.9	216.4	220.4	222.8	224.4	223.7	221.3	217.3
67.5	195.9	204.4	211.6	217.2	221.3	223.8	225.3	224.6	222.2	218.2
70.0	195.9	204.5	211.8	217.5	221.6	224.2	225.9	225.1	222.6	218.5
72.5	195.4	204.2	211.6	217.4	221.5	224.2	225.8	225.0	222.5	218.4
75.0	194.5	203.4	210.9	216.9	221.0	223.6	225.4	224.5	222.0	217.8
77.5	193.2	202.3	209.8	215.8	220.0	222.7	224.5	223.5	221.0	216.7
80.0	191.5	200.7	208.2	214.3	218.6	221.3	222.9	222.0	219.6	215.2
82.5	189.4	198.7	206.2	212.4	216.7	219.4	221.0	220.2	217.6	213.3
85.0	187.0	196.3	203.8	210.0	214.3	217.1	218.7	217.8	215.2	210.9
87.5	184.1	193.4	201.0	207.1	211.5	214.2	215.9	215.0	212.4	208.1
90.0	180.7	190.1	197.7	203.8	208.2	211.0	212.7	211.7	209.2	204.7
92.5	177.2	186.6	194.1	200.3	204.5	207.4	209.1	208.1	205.6	201.1
95.0	173.4	182.7	190.2	196.4	200.7	203.4	205.0	204.1	201.6	197.2
97.5	169.1	178.4	186.0	192.1	196.4	199.1	200.7	199.7	197.2	192.9
100.0	164.7	173.9	181.3	187.4	191.7	194.3	195.9	194.9	192.5	188.2
102.5	159.9	168.9	176.3	182.3	186.5	189.2	190.7	189.8	187.4	183.1
105.0	154.7	163.7	170.9	176.9	181.0	183.7	185.2	184.2	181.8	177.6
107.5	149.2	158.1	165.2	171.1	175.1	177.9	179.3	178.3	176.0	171.8
110.0	143.1	152.1	159.2	165.0	168.9	171.6	173.0	172.0	169.8	165.6
112.5	135.2	144.4	151.8	157.9	162.1	164.9	166.3	165.3	163.0	158.6
115.0	127.0	136.1	143.3	149.3	153.4	156.2	157.6	156.6	154.4	150.0
117.5	118.5	127.3	134.4	140.4	144.4	147.2	148.4	147.4	145.3	141.0
120.0	109.5	118.2	125.1	131.0	134.9	137.6	138.9	137.8	135.8	131.6
122.5	100.1	108.7	115.5	121.2	125.0	127.7	128.9	127.9	125.9	121.8
125.0	90.54	98.94	105.5	111.1	114.7	117.4	118.6	117.5	115.6	111.6
127.5	80.64	88.82	95.14	100.6	104.1	106.8	107.8	106.8	105.0	101.1
130.0	70.52	78.41	84.52	89.85	93.29	95.81	96.78	95.80	94.02	90.25
132.5	60.27	67.84	73.68	78.83	82.09	84.60	85.45	84.53	82.84	79.21
135.0	49.98	57.17	62.71	67.64	70.77	73.16	74.01	73.06	71.45	68.02
137.5	39.88	46.57	51.78	56.43	59.34	61.64	62.39	61.47	60.00	56.67
140.0	30.00	36.16	40.93	45.25	47.96	50.14	50.80	49.96	48.58	45.44
142.5	20.60	26.13	30.45	34.38	36.86	38.83	39.45	38.68	37.37	34.53
145.0	11.71	16.66	20.43	23.98	26.17	27.99	28.52	27.84	26.68	24.11
147.5	2.264	7.180	10.98	14.19	16.11	17.71	18.17	17.57	16.59	14.26
150.0	1.566	1.611	1.858	3.489	5.510	7.443	7.968	7.291	6.157	3.535
152.5	1.521	1.552	1.584	1.616	1.643	1.647	1.303	1.503	1.507	1.530
155.0	1.480	1.507	1.539	1.553	1.571	1.575	1.204	1.436	1.498	1.517
157.5	1.458	1.480	1.503	1.521	1.530	1.539	1.118	1.358	1.480	1.507
160.0	1.431	1.453	1.467	1.485	1.494	1.503	1.027	1.281	1.476	1.494
162.5	1.408	1.430	1.449	1.462	1.471	1.471	0.9416	1.213	1.458	1.498
165.0	1.417	1.426	1.449	1.458	1.467	1.467	0.8641	1.141	1.412	1.498
167.5	1.435	1.444	1.458	1.462	1.467	1.462	0.7831	1.077	1.353	1.498
170.0	1.467	1.467	1.467	1.471	1.471	1.467	0.7379	1.005	1.299	1.507
172.5	1.489	1.494	1.498	1.494	1.489	1.480	0.7333	0.9283	1.240	1.499
175.0	1.525	1.530	1.516	1.517	1.507	1.489	0.7332	0.8648	1.172	1.467
177.5	1.562	1.553	1.544	1.544	1.530	1.512	0.7379	0.8104	1.114	1.417
180.0	1.598	1.593	1.580	1.566	1.553	1.526	0.7424	0.7469	0.9914	1.299

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	132.4	132.4	132.4	132.4	132.3	132.3	132.2	132.3	132.2	132.3
2.5	132.9	132.8	132.7	132.7	132.6	132.5	132.5	132.5	132.4	132.4
5.0	133.2	133.1	133.0	132.9	132.8	132.6	132.5	132.4	132.3	132.3
7.5	133.4	133.3	133.1	133.0	132.8	132.6	132.4	132.2	132.1	131.9
10.0	133.6	133.4	133.2	132.9	132.7	132.4	132.1	131.8	131.6	131.3
12.5	133.8	133.5	133.1	132.8	132.4	132.0	131.6	131.2	130.9	130.5
15.0	134.0	133.7	133.1	132.7	132.1	131.5	131.0	130.4	129.9	129.4
17.5	134.6	134.0	133.2	132.5	131.8	131.0	130.2	129.5	128.8	128.1
20.0	136.2	135.1	133.8	132.6	131.5	130.4	129.3	128.4	127.5	126.6
22.5	141.9	139.6	136.3	133.6	131.7	129.9	128.4	127.2	126.0	124.9
25.0	147.8	145.3	141.9	138.1	133.4	130.0	127.7	125.9	124.4	123.1
27.5	152.9	150.2	146.7	142.7	137.9	132.4	127.5	124.7	122.7	121.0
30.0	157.9	154.7	150.9	146.7	141.7	136.2	129.5	124.0	121.0	118.8
32.5	164.1	160.3	155.3	150.3	144.9	139.1	132.5	125.0	119.6	116.6
35.0	170.1	165.9	160.6	154.8	147.9	141.6	134.7	127.2	118.8	114.3
37.5	175.7	171.3	165.6	159.4	152.0	144.1	136.5	128.8	120.1	112.4
40.0	181.0	176.3	170.3	163.6	155.8	147.5	138.2	129.8	121.1	111.2
42.5	185.9	181.0	174.6	167.6	159.4	150.6	140.7	130.7	121.5	111.6
45.0	190.4	185.2	178.6	171.2	162.5	153.3	143.0	132.2	121.6	111.5
47.5	194.5	189.1	182.2	174.4	165.5	155.8	145.0	133.7	121.7	111.0
50.0	198.3	192.6	185.5	177.3	168.1	157.9	146.7	135.0	122.5	110.2
52.5	201.7	195.7	188.3	179.8	170.2	159.7	148.1	135.9	123.0	109.5
55.0	204.6	198.4	190.7	182.0	172.0	161.1	149.3	136.6	123.2	109.3
57.5	207.0	200.7	192.8	183.7	173.5	162.3	150.0	137.0	123.2	108.9
60.0	209.1	202.5	194.4	185.1	174.6	163.1	150.5	137.1	123.0	108.2
62.5	210.7	203.9	195.6	186.1	175.4	163.6	150.6	136.9	122.5	107.3
65.0	211.8	204.9	196.5	186.7	175.8	163.7	150.5	136.5	121.7	106.3
67.5	212.6	205.5	196.9	186.9	175.7	163.4	150.0	135.7	120.7	104.9
70.0	212.7	205.6	196.8	186.8	175.4	162.7	149.2	134.7	119.4	103.4
72.5	212.5	205.2	196.4	186.2	174.6	161.9	148.1	133.4	117.9	101.6
75.0	212.0	204.5	195.5	185.2	173.5	160.6	146.7	131.7	116.0	99.63
77.5	210.8	203.3	194.3	183.8	172.1	159.0	144.9	129.8	114.0	97.43
80.0	209.3	201.7	192.6	182.1	170.2	157.1	142.9	127.6	111.7	95.00
82.5	207.4	199.7	190.6	179.9	168.0	154.8	140.5	125.2	109.2	92.36
85.0	204.9	197.2	188.1	177.4	165.5	152.1	137.9	122.5	106.4	89.49
87.5	202.1	194.3	185.2	174.5	162.5	149.2	134.9	119.5	103.3	86.38
90.0	198.8	191.1	181.9	171.3	159.3	146.0	131.6	116.2	100.1	83.08
92.5	195.2	187.5	178.4	167.7	155.8	142.5	128.1	112.8	96.64	79.72
95.0	191.3	183.6	174.6	163.9	152.1	138.8	124.6	109.2	93.15	76.29
97.5	187.1	179.4	170.5	159.8	148.1	134.8	120.7	105.4	89.49	72.71
100.0	182.4	174.8	165.9	155.4	143.7	130.6	116.6	101.5	85.60	68.98
102.5	177.4	169.9	161.1	150.6	139.1	126.1	112.2	97.23	81.30	63.74
105.0	172.0	164.5	155.9	145.5	134.1	121.3	107.6	91.93	75.48	58.02
107.5	166.2	158.9	150.3	140.2	128.9	115.6	101.3	85.64	69.35	52.00
110.0	160.1	152.9	144.4	133.7	122.0	108.6	94.49	78.97	62.89	45.68
112.5	152.9	145.3	136.6	126.0	114.4	101.3	87.35	72.04	56.12	39.11
115.0	144.4	136.9	128.4	117.9	106.6	93.59	79.88	64.76	49.10	32.42
117.5	135.6	128.1	119.7	109.5	98.34	85.54	72.08	57.23	41.88	25.73
120.0	126.4	119.0	110.8	100.7	89.74	77.23	64.06	49.48	34.63	19.28
122.5	116.8	109.6	101.4	91.52	80.85	68.65	55.79	41.67	27.46	13.19
125.0	106.7	99.77	91.79	82.06	71.76	59.82	47.40	33.85	20.49	7.466
127.5	96.37	89.62	81.97	72.41	62.38	50.86	38.97	26.18	13.92	1.517
130.0	85.73	79.25	71.98	62.75	52.95	41.91	30.73	18.91	7.723	0.8286
132.5	74.88	68.71	61.78	53.09	43.76	33.23	22.83	12.07	1.402	0.8149
135.0	63.96	58.08	51.62	43.51	34.84	25.03	15.40	5.108	0.9411	0.8013
137.5	52.87	47.33	41.31	33.79	26.02	17.16	8.300	1.023	0.8373	0.7245
140.0	41.90	36.72	31.19	24.31	17.42	9.518	1.692	1.190	0.8792	0.7061
142.5	31.28	26.55	21.61	15.45	9.147	1.991	1.639	1.444	1.224	1.008
145.0	21.21	17.02	12.58	6.456	1.769	1.598	1.611	1.616	1.535	1.371
147.5	11.68	7.491	2.835	1.589	1.553	1.535	1.534	1.562	1.611	1.611
150.0	1.979	1.585	1.571	1.530	1.512	1.503	1.498	1.512	1.530	1.553
152.5	1.526	1.539	1.530	1.521	1.507	1.498	1.490	1.498	1.507	1.512
155.0	1.525	1.521	1.530	1.525	1.516	1.512	1.507	1.507	1.512	1.521
157.5	1.521	1.530	1.526	1.521	1.521	1.516	1.516	1.516	1.512	1.530
160.0	1.512	1.516	1.516	1.512	1.512	1.516	1.526	1.521	1.535	1.544
162.5	1.521	1.526	1.517	1.516	1.517	1.512	1.525	1.530	1.544	1.566
165.0	1.516	1.521	1.516	1.517	1.516	1.526	1.526	1.539	1.557	1.566
167.5	1.526	1.535	1.526	1.516	1.521	1.530	1.544	1.548	1.557	1.571
170.0	1.530	1.534	1.530	1.521	1.530	1.535	1.544	1.553	1.562	1.566
172.5	1.530	1.535	1.535	1.526	1.539	1.539	1.553	1.557	1.566	1.575
175.0	1.530	1.539	1.539	1.539	1.544	1.548	1.553	1.562	1.571	1.580
177.5	1.544	1.544	1.544	1.539	1.548	1.548	1.562	1.566	1.571	1.580
180.0	1.539	1.548	1.548	1.548	1.544	1.553	1.557	1.562	1.562	1.566

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: yechihong  
Test Date: 2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
Humidity: 70%  
Test Distance: 8.425m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.2	132.3	132.3
2.5	132.3	132.3	132.2	132.2	132.2	132.2	132.1	132.1	132.1	132.0
5.0	132.1	132.1	132.0	131.9	131.8	131.7	131.7	131.6	131.6	131.6
7.5	131.7	131.5	131.4	131.3	131.2	131.0	131.0	130.9	130.8	130.8
10.0	131.1	130.8	130.6	130.4	130.3	130.1	130.0	129.9	129.9	129.8
12.5	130.1	129.8	129.5	129.3	129.1	128.9	128.8	128.6	128.7	128.6
15.0	128.9	128.5	128.2	127.9	127.6	127.4	127.3	127.2	127.2	127.2
17.5	127.6	127.0	126.6	126.2	125.9	125.6	125.5	125.4	125.5	125.6
20.0	125.9	125.2	124.7	124.3	123.9	123.6	123.5	123.4	123.6	123.7
22.5	124.1	123.2	122.6	122.0	121.7	121.4	121.3	121.2	121.4	121.7
25.0	122.0	121.0	120.3	119.6	119.2	118.9	118.8	118.8	119.1	119.5
27.5	119.7	118.6	117.7	116.9	116.5	116.1	116.1	116.1	116.5	117.1
30.0	117.3	115.9	114.9	114.1	113.6	113.2	113.1	113.2	113.8	114.7
32.5	114.6	113.0	111.9	110.9	110.4	109.9	109.9	110.1	110.9	112.1
35.0	111.8	109.9	108.6	107.5	107.0	106.5	106.5	106.8	107.9	109.8
37.5	108.9	106.6	105.2	103.9	103.3	102.8	102.9	103.4	104.8	107.9
40.0	106.0	103.2	101.5	100.1	99.47	98.93	99.14	99.81	101.8	107.6
42.5	103.3	99.63	97.64	96.13	95.41	94.87	95.13	96.09	99.09	107.7
45.0	100.8	95.97	93.64	91.95	91.13	90.61	91.04	92.31	97.05	107.3
47.5	99.78	92.28	89.42	87.55	86.68	86.16	86.72	88.54	96.31	106.5
50.0	98.91	88.74	85.06	82.99	82.06	81.55	82.29	85.09	95.15	105.4
52.5	97.59	85.48	80.65	78.28	77.24	76.77	77.75	82.02	93.57	104.8
55.0	95.95	83.26	76.13	73.38	72.26	71.83	73.18	80.24	91.72	104.5
57.5	94.26	81.40	71.66	68.36	67.11	66.76	68.68	78.15	90.03	103.9
60.0	93.14	79.14	67.35	63.21	61.79	61.57	64.45	75.67	88.86	103.2
62.5	91.88	76.62	63.31	57.97	56.38	56.28	60.48	73.00	87.51	102.2
65.0	90.45	74.29	60.08	52.68	50.84	50.95	57.66	70.73	86.00	101.0
67.5	88.81	72.36	57.25	47.40	45.19	45.67	54.66	68.71	84.30	99.56
70.0	87.02	70.29	54.11	42.19	39.48	40.47	51.39	66.58	82.44	97.93
72.5	85.01	68.04	51.03	37.24	33.68	35.55	48.31	64.29	80.37	96.11
75.0	82.86	65.64	48.40	32.76	27.89	31.11	45.71	61.89	78.14	94.09
77.5	80.51	63.10	45.69	28.91	22.11	27.44	42.97	59.33	75.76	91.87
80.0	77.94	60.43	42.85	25.30	16.50	23.77	40.14	56.62	73.20	89.45
82.5	75.20	57.56	39.89	22.08	11.16	20.59	37.22	53.78	70.47	86.80
85.0	72.27	54.58	36.82	18.98	6.353	17.52	34.18	50.82	67.55	83.93
87.5	69.14	51.41	33.64	15.81	2.616	14.43	31.04	47.70	64.47	80.88
90.0	65.86	48.12	30.36	12.67	0.8541	11.33	27.82	44.49	61.21	77.62
92.5	62.52	44.85	27.12	9.638	0.8010	8.373	24.65	41.32	58.00	74.35
95.0	59.17	41.58	23.75	5.973	0.7922	4.871	21.41	38.17	54.78	71.02
97.5	55.69	37.67	19.19	2.633	0.8012	1.744	17.00	34.49	51.46	67.55
100.0	51.23	32.69	14.32	0.9375	0.7921	0.6745	12.38	29.74	47.27	63.95
102.5	45.93	27.38	9.465	0.8467	0.7512	0.6609	7.812	24.66	42.18	58.93
105.0	40.28	21.81	5.111	0.7606	0.6790	0.6157	3.806	19.32	36.70	53.32
107.5	34.37	16.23	1.296	0.6973	0.6201	0.5619	0.6327	13.95	30.80	47.27
110.0	28.25	10.94	0.7828	0.6474	0.5793	0.5252	0.5568	8.932	24.81	40.72
112.5	22.11	6.198	0.7287	0.6112	0.5523	0.5161	0.5567	4.540	18.92	34.51
115.0	16.17	1.516	0.6789	0.5840	0.5477	0.5115	0.5614	0.6632	13.38	28.19
117.5	10.63	0.7793	0.6473	0.5614	0.5433	0.5206	0.5749	0.6292	8.351	22.00
120.0	5.510	0.7337	0.6291	0.5568	0.5522	0.5387	0.5975	0.6473	3.576	16.02
122.5	0.9844	0.6972	0.6066	0.5523	0.5523	0.5524	0.6066	0.6653	0.7152	10.48
125.0	0.7876	0.6700	0.5930	0.5523	0.5659	0.5704	0.6202	0.6656	0.7198	5.224
127.5	0.7424	0.6474	0.5839	0.5523	0.5750	0.5839	0.6248	0.6745	0.7243	0.7769
130.0	0.7107	0.6338	0.5749	0.5523	0.5885	0.5840	0.6291	0.6834	0.7288	0.7741
132.5	0.7151	0.6338	0.5703	0.5523	0.5885	0.5885	0.6247	0.6745	0.7107	0.7470
135.0	0.6922	0.5931	0.5523	0.5613	0.6021	0.5885	0.6292	0.6745	0.7062	0.7424
137.5	0.6337	0.5749	0.5523	0.5747	0.6066	0.5975	0.6247	0.6655	0.7061	0.7379
140.0	0.6203	0.5702	0.5523	0.5794	0.6066	0.5930	0.6292	0.6654	0.7113	0.7827
142.5	0.7844	0.6514	0.6112	0.6288	0.6521	0.6425	0.6748	0.7553	0.9152	1.127
145.0	1.216	1.085	1.004	0.9794	0.9738	0.9908	1.052	1.190	1.336	1.497
147.5	1.563	1.478	1.433	1.410	1.419	1.425	1.477	1.578	1.689	1.743
150.0	1.584	1.634	1.661	1.688	1.711	1.697	1.697	1.707	1.679	1.652
152.5	1.539	1.571	1.602	1.625	1.648	1.625	1.612	1.621	1.621	1.612
155.0	1.535	1.562	1.580	1.598	1.620	1.598	1.584	1.598	1.603	1.607
157.5	1.553	1.566	1.589	1.602	1.621	1.611	1.594	1.594	1.603	1.607
160.0	1.562	1.580	1.593	1.612	1.630	1.616	1.598	1.598	1.612	1.612
162.5	1.575	1.585	1.607	1.621	1.634	1.625	1.603	1.607	1.603	1.612
165.0	1.571	1.594	1.616	1.634	1.639	1.630	1.607	1.598	1.603	1.607
167.5	1.585	1.589	1.612	1.621	1.625	1.625	1.612	1.598	1.589	1.593
170.0	1.575	1.598	1.607	1.621	1.621	1.616	1.607	1.593	1.589	1.584
172.5	1.584	1.593	1.607	1.612	1.616	1.616	1.616	1.603	1.589	1.580
175.0	1.584	1.598	1.607	1.612	1.612	1.607	1.612	1.607	1.607	1.598
177.5	1.589	1.593	1.602	1.603	1.603	1.603	1.607	1.612	1.607	1.612
180.0	1.571	1.580	1.580	1.580	1.584	1.589	1.589	1.593	1.598	1.598

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	132.4	132.5	132.5	132.6	132.6	132.6	132.6	132.6	132.6	132.5
2.5	132.1	132.1	132.2	132.2	132.2	132.2	132.2	132.2	132.3	132.1
5.0	131.6	131.6	131.6	131.6	131.7	131.6	131.8	131.7	131.7	131.7
7.5	130.8	130.9	130.9	130.9	131.0	131.0	131.1	131.1	131.2	131.2
10.0	129.9	129.9	130.0	130.1	130.2	130.2	130.4	130.5	130.6	130.6
12.5	128.7	128.8	129.0	129.1	129.3	129.4	129.7	129.8	130.0	130.1
15.0	127.3	127.5	127.7	128.0	128.3	128.6	128.9	129.3	129.6	129.9
17.5	125.8	126.1	126.5	126.9	127.4	127.9	128.5	129.2	129.8	130.5
20.0	124.1	124.4	125.1	125.8	126.7	127.7	129.0	130.7	132.5	134.6
22.5	122.2	122.8	123.8	125.0	126.7	129.5	132.9	136.2	138.5	140.6
25.0	120.2	121.2	122.8	125.3	129.8	134.3	137.8	141.1	143.4	145.6
27.5	118.2	119.8	122.9	128.6	133.7	138.2	141.9	145.4	147.9	150.4
30.0	116.2	119.3	125.7	131.7	136.8	141.6	145.6	149.7	153.1	156.3
32.5	114.8	121.3	128.0	134.1	139.5	144.9	150.2	155.1	158.9	162.4
35.0	115.0	122.9	129.7	136.2	142.6	149.4	155.2	160.4	164.6	168.2
37.5	116.1	124.0	131.1	138.8	146.4	153.6	159.8	165.4	169.9	173.6
40.0	116.6	124.7	132.9	141.9	150.0	157.6	164.1	170.0	174.8	178.8
42.5	116.7	125.4	135.2	144.6	153.2	161.2	168.2	174.4	179.4	183.5
45.0	116.5	126.9	137.3	147.1	156.2	164.5	171.8	178.3	183.6	187.9
47.5	116.7	128.2	139.1	149.3	158.8	167.5	175.1	181.9	187.4	191.9
50.0	117.3	129.2	140.6	151.3	161.1	170.2	178.1	185.2	190.9	195.4
52.5	117.6	130.1	141.8	152.9	163.1	172.6	180.7	188.0	193.9	198.7
55.0	117.7	130.5	142.7	154.2	164.8	174.5	182.9	190.4	196.5	201.5
57.5	117.6	130.8	143.3	155.1	166.0	176.0	184.7	192.4	198.8	203.9
60.0	117.2	130.7	143.6	155.8	166.9	177.2	186.2	194.0	200.6	205.8
62.5	116.6	130.4	143.6	156.1	167.5	178.0	187.2	195.2	201.9	207.2
65.0	115.7	129.8	143.4	156.1	167.7	178.4	187.8	196.1	202.9	208.3
67.5	114.6	129.0	142.8	155.6	167.6	178.5	188.1	196.4	203.3	208.9
70.0	113.2	127.9	141.9	155.0	167.2	178.2	187.9	196.4	203.4	209.0
72.5	111.6	126.5	140.7	154.0	166.4	177.4	187.4	196.0	203.0	208.7
75.0	109.8	124.9	139.2	152.7	165.2	176.3	186.5	195.1	202.3	207.9
77.5	107.7	122.9	137.4	151.0	163.5	174.9	185.1	193.8	201.1	206.8
80.0	105.4	120.7	135.3	149.0	161.7	173.1	183.3	192.1	199.4	205.2
82.5	102.9	118.2	133.0	146.6	159.4	170.9	181.2	190.0	197.4	203.1
85.0	100.1	115.5	130.3	144.0	156.8	168.4	178.7	187.4	194.8	200.6
87.5	97.03	112.5	127.3	141.0	153.9	165.4	175.7	184.5	192.0	197.7
90.0	93.80	109.2	124.1	137.7	150.6	162.1	172.4	181.2	188.7	194.4
92.5	90.47	105.9	120.6	134.3	147.1	158.6	168.9	177.6	185.1	190.8
95.0	87.06	102.4	117.1	130.7	143.4	154.8	165.0	173.7	181.2	186.9
97.5	83.46	98.66	113.3	126.7	139.4	150.7	160.9	169.5	176.9	182.5
100.0	79.72	94.74	109.3	122.6	135.1	146.3	156.4	164.9	172.2	177.8
102.5	75.38	90.24	104.6	117.9	130.6	141.6	151.6	159.9	167.1	172.7
105.0	69.54	84.74	99.30	112.3	124.9	136.4	146.4	154.7	161.8	167.3
107.5	63.43	78.35	92.69	105.9	118.5	129.9	140.6	149.1	156.1	161.5
110.0	56.56	71.73	85.91	98.68	110.9	122.3	133.2	142.6	150.1	155.4
112.5	49.03	64.31	78.89	91.51	103.3	113.9	124.3	133.8	142.8	148.6
115.0	42.85	56.33	71.31	84.17	95.61	105.7	115.4	124.1	133.2	140.2
117.5	36.59	49.48	62.82	76.46	88.02	97.49	106.7	114.6	122.9	130.8
120.0	30.02	42.99	55.06	67.78	80.11	89.65	97.85	105.4	112.7	119.9
122.5	23.35	36.32	48.05	58.85	71.30	81.49	89.68	96.36	102.8	108.7
125.0	16.89	29.02	41.17	50.69	61.82	72.43	81.38	87.75	92.99	97.80
127.5	10.80	21.72	33.46	43.22	52.77	62.66	72.47	78.85	83.63	87.28
130.0	5.012	14.79	25.45	35.34	44.38	53.16	62.74	69.64	74.84	76.93
132.5	0.7922	8.498	17.74	27.15	36.11	44.51	52.26	59.70	65.52	67.73
135.0	0.7786	1.742	10.93	19.25	28.02	35.88	42.50	49.33	55.44	58.46
137.5	0.7877	0.8781	4.652	12.22	19.97	26.74	33.71	38.80	44.78	48.74
140.0	0.9516	1.208	1.431	5.629	12.35	18.45	25.02	29.57	34.23	38.59
142.5	1.324	1.530	1.675	1.644	4.965	10.64	16.10	21.01	24.61	28.33
145.0	1.672	1.716	1.648	1.603	1.584	2.472	8.073	12.35	16.19	18.46
147.5	1.706	1.648	1.607	1.589	1.575	1.566	1.580	2.947	7.293	9.450
150.0	1.634	1.607	1.598	1.580	1.575	1.562	1.557	1.557	1.548	1.592
152.5	1.612	1.607	1.593	1.593	1.580	1.575	1.557	1.544	1.544	1.535
155.0	1.616	1.607	1.603	1.598	1.594	1.584	1.571	1.562	1.539	1.530
157.5	1.612	1.612	1.607	1.607	1.598	1.589	1.571	1.562	1.544	1.526
160.0	1.612	1.607	1.603	1.603	1.598	1.584	1.571	1.562	1.544	1.521
162.5	1.612	1.616	1.603	1.598	1.589	1.576	1.571	1.557	1.548	1.521
165.0	1.607	1.607	1.611	1.594	1.585	1.571	1.557	1.553	1.539	1.521
167.5	1.593	1.598	1.593	1.594	1.584	1.571	1.548	1.539	1.521	1.507
170.0	1.584	1.589	1.584	1.584	1.580	1.575	1.553	1.539	1.521	1.507
172.5	1.580	1.584	1.575	1.580	1.571	1.571	1.562	1.544	1.517	1.498
175.0	1.593	1.589	1.584	1.575	1.575	1.571	1.562	1.553	1.530	1.507
177.5	1.607	1.603	1.607	1.598	1.594	1.584	1.575	1.566	1.553	1.535
180.0	1.607	1.607	1.612	1.612	1.607	1.603	1.593	1.589	1.575	1.566

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

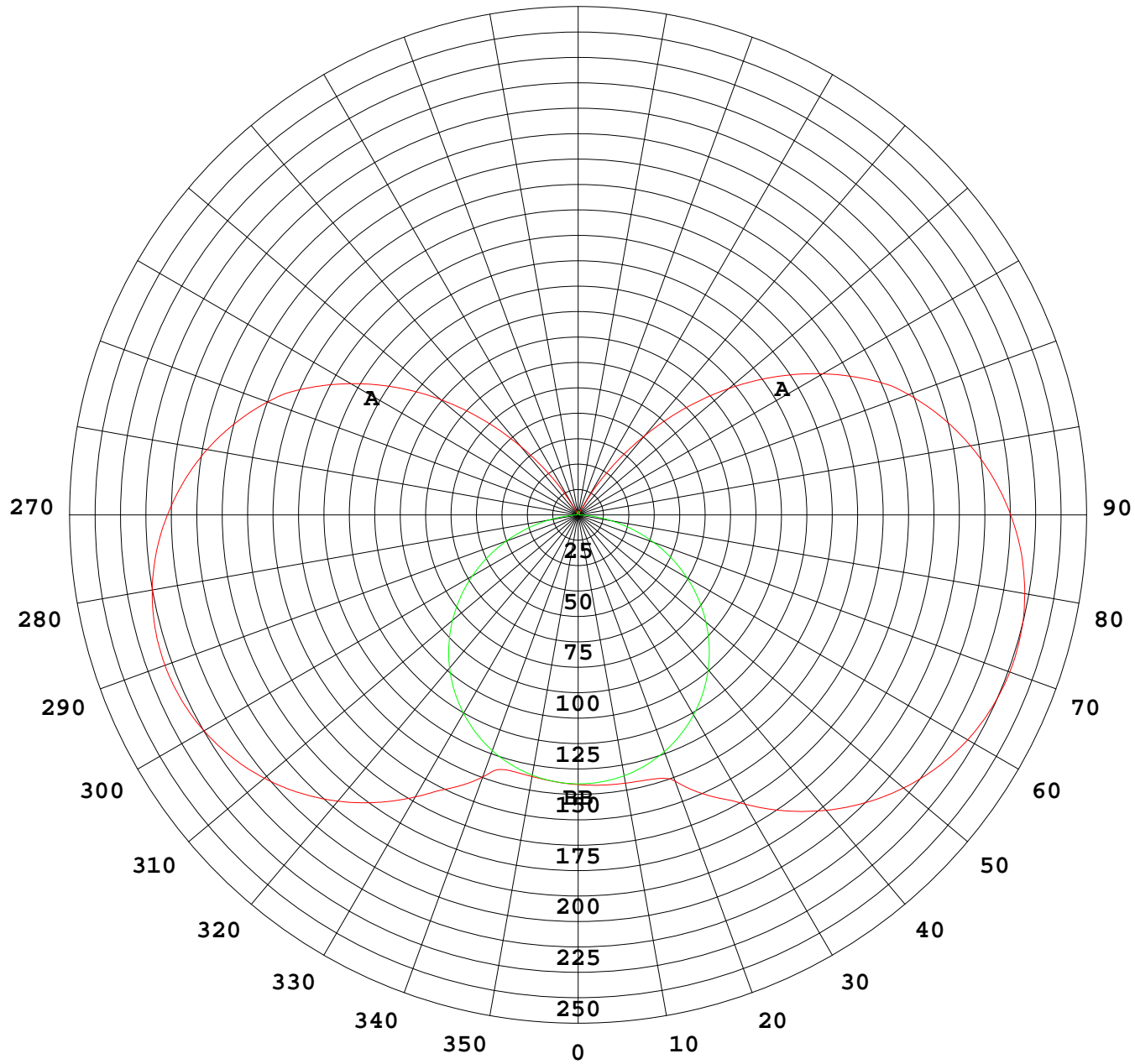
## Photometric Data Table [cd]

G/C	350.0	355.0
0.0	132.5	132.5
2.5	132.1	132.1
5.0	131.7	131.7
7.5	131.2	131.2
10.0	130.7	130.7
12.5	130.2	130.3
15.0	130.1	130.2
17.5	130.9	131.3
20.0	135.8	136.8
22.5	141.8	142.8
25.0	147.0	148.1
27.5	151.9	153.3
30.0	158.3	159.8
32.5	164.5	166.2
35.0	170.5	172.2
37.5	176.2	178.0
40.0	181.5	183.3
42.5	186.4	188.4
45.0	190.9	192.9
47.5	195.1	197.1
50.0	198.8	200.9
52.5	202.1	204.3
55.0	204.9	207.2
57.5	207.4	209.7
60.0	209.4	211.8
62.5	211.1	213.4
65.0	212.1	214.6
67.5	212.8	215.2
70.0	213.1	215.4
72.5	212.8	215.2
75.0	212.1	214.5
77.5	211.0	213.5
80.0	209.4	211.9
82.5	207.3	209.9
85.0	204.9	207.4
87.5	202.0	204.5
90.0	198.7	201.2
92.5	195.1	197.6
95.0	191.1	193.6
97.5	186.7	189.2
100.0	182.0	184.3
102.5	176.9	179.2
105.0	171.3	173.7
107.5	165.6	167.9
110.0	159.4	161.7
112.5	152.8	155.0
115.0	144.4	146.6
117.5	135.5	137.6
120.0	126.2	128.3
122.5	116.1	118.6
125.0	104.6	108.5
127.5	92.41	98.23
130.0	80.67	87.23
132.5	69.52	74.82
135.0	58.93	61.88
137.5	49.82	49.59
140.0	40.66	38.50
142.5	30.89	29.89
145.0	21.19	21.70
147.5	11.74	12.69
150.0	2.011	2.428
152.5	1.507	1.503
155.0	1.498	1.489
157.5	1.498	1.480
160.0	1.494	1.476
162.5	1.498	1.480
165.0	1.494	1.476
167.5	1.485	1.471
170.0	1.485	1.467
172.5	1.485	1.471
175.0	1.485	1.476
177.5	1.508	1.489
180.0	1.548	1.526

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: yechihong  
 Test Date: 2019-10-17

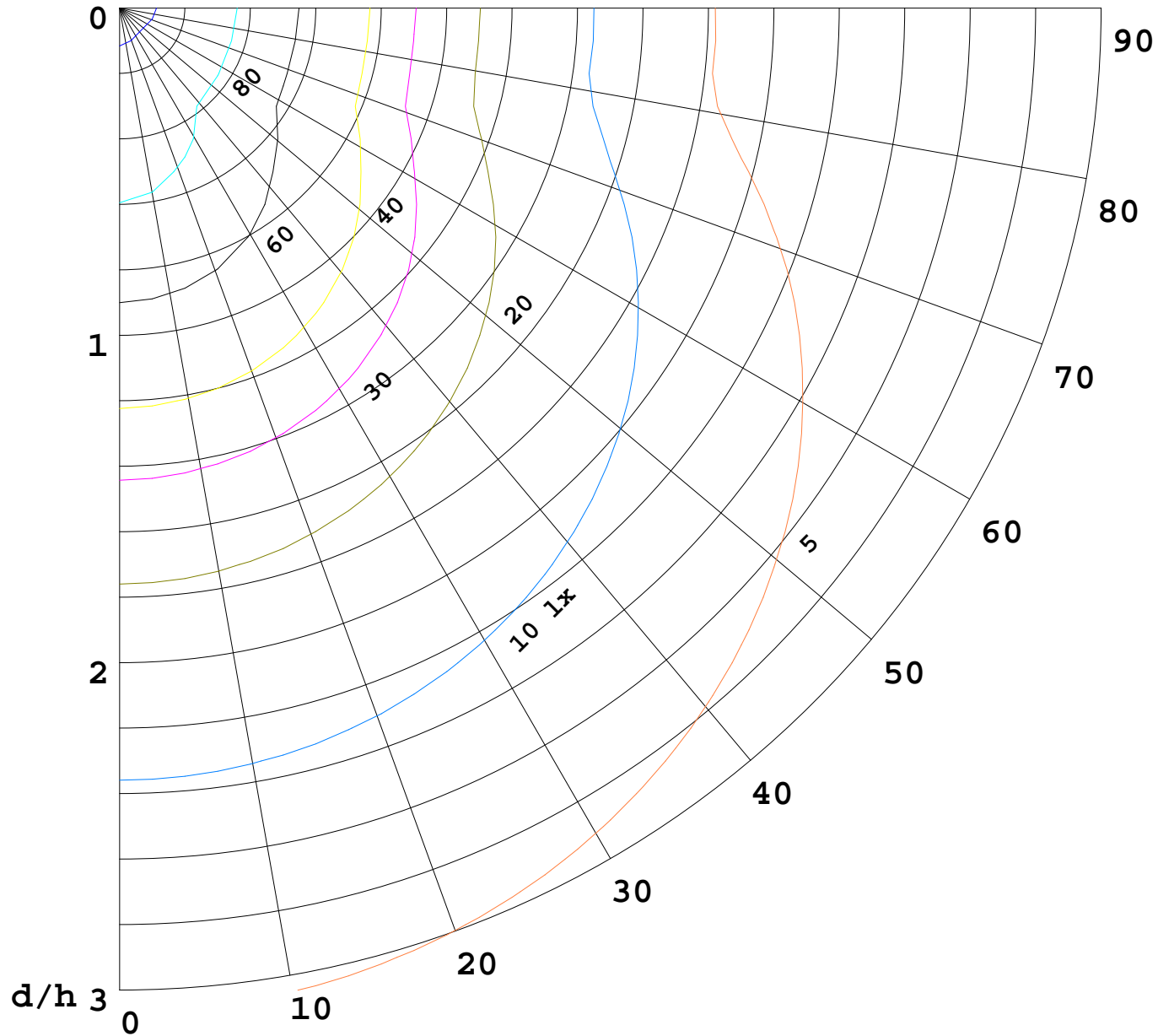
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$





**F** = 5000 lm  
**K** = 0.7  
**Hcc** = 0.0 m  
**Hfc** = 0.0 m  
**Eave** = 100 lx

	<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
—————	70	50	30
—————	50	30	20

