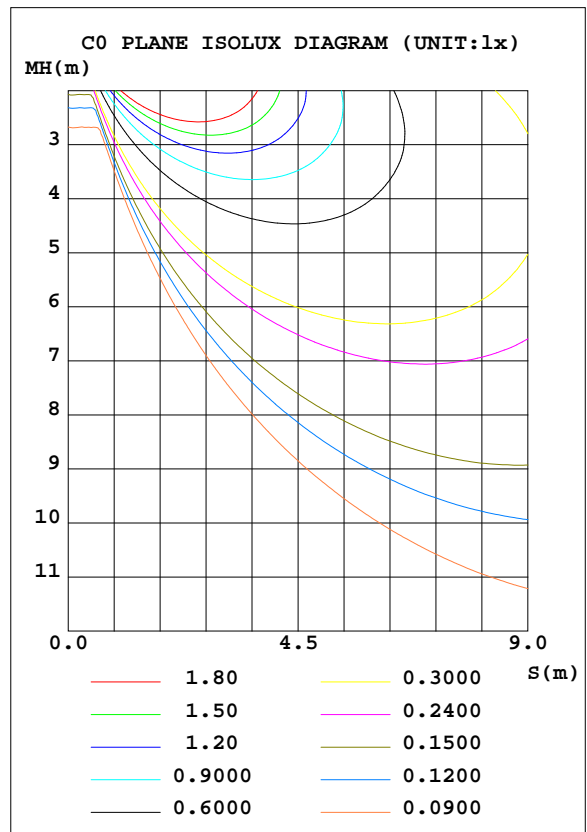
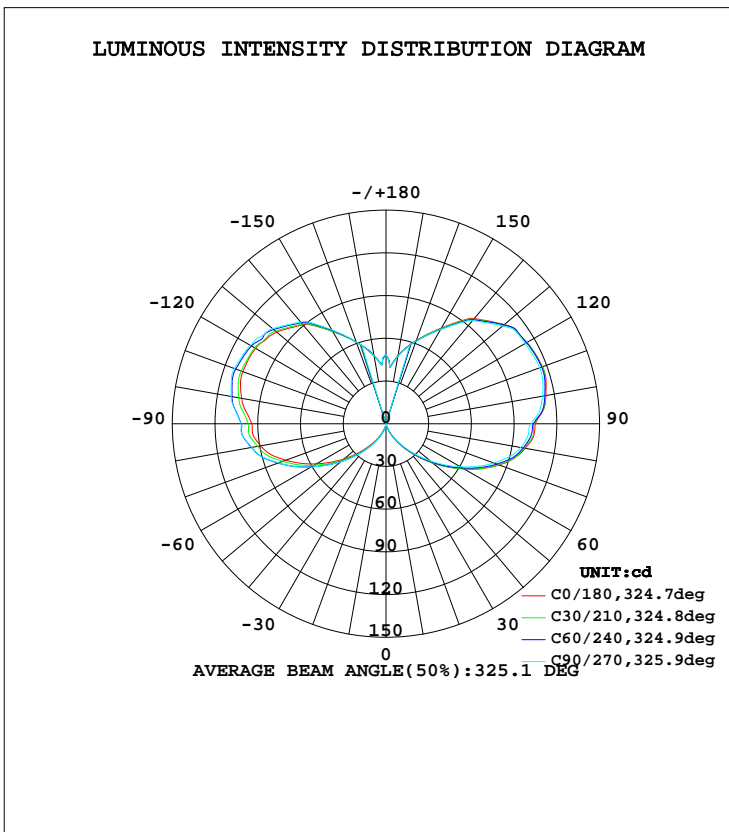


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.05 lm/W			
MODEL	ECPS090909L30D2WH	I <sub>max</sub> (cd)	118.2	S/MH(C0/180)	12.22
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	11.86
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	988.71	η UP, DN(C0-180)	31.9,18.2
NOMINAL FLUX(lm)	988.711	CIE CLASS	SEMI-IND.	η UP, DN(C180-360)	31.5,18.3
LAMPS INSIDE	1	η up(%)	63.4	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120.9	η down(%)	36.6	CIBSE SHR MAX	0.00



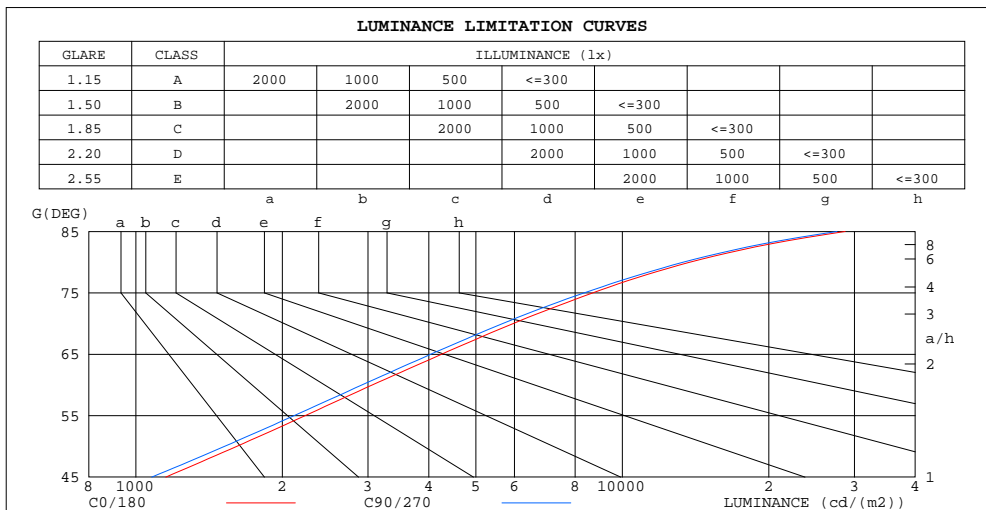
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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	0.6519	0.7151	0.6969	0.7334	0.6519	0.6564	0.6881	0.6700	0- 5	0.0163	0.0163	0.00,0.00
10	0.6745	0.7380	0.7240	0.7741	0.6746	0.6608	0.7244	0.6744	5- 10	0.0501	0.0664	0.01,0.01
15	1.409	0.8565	0.9438	1.683	1.906	2.459	2.357	1.867	10- 15	0.1269	0.1933	0.02,0.02
20	4.318	3.221	3.381	4.325	4.598	5.485	5.514	4.897	15- 20	0.5035	0.6968	0.07,0.07
25	8.194	7.018	6.979	7.829	8.060	9.174	9.374	8.771	20- 25	1.329	2.026	0.20,0.20
30	12.97	11.80	11.53	12.13	12.25	13.61	13.95	13.52	25- 30	2.647	4.672	0.47,0.47
35	18.77	17.69	17.07	17.43	17.29	18.85	19.38	19.22	30- 35	4.552	9.225	0.93,0.93
40	25.71	24.79	23.77	23.86	23.29	25.10	25.76	26.00	35- 40	7.164	16.39	1.66,1.66
45	33.83	33.11	31.66	31.55	30.33	32.42	33.19	33.95	40- 45	10.59	26.98	2.73,2.73
50	43.02	42.42	40.60	40.38	38.32	40.85	41.60	42.99	45- 50	14.89	41.87	4.24,4.24
55	53.07	52.50	50.36	49.99	47.07	50.04	50.80	52.88	50- 55	20.01	61.89	6.26,6.26
60	63.58	63.01	60.52	60.10	56.33	59.88	60.68	63.33	55- 60	25.81	87.70	8.87,8.87
65	74.59	74.00	70.88	70.22	65.86	70.06	71.06	74.04	60- 65	32.15	119.8	12.1,12.1
70	84.66	84.01	80.55	79.65	74.87	79.41	80.42	84.18	65- 70	38.54	158.4	16,16
75	93.41	93.21	89.65	88.82	83.74	88.36	90.10	93.63	70- 75	44.74	203.1	20.5,20.5
80	99.28	98.87	96.15	94.49	89.38	94.06	95.76	99.87	75- 80	49.85	253.0	25.6,25.6
85	103.9	103.3	99.98	98.60	93.60	98.57	100.9	105.0	80- 85	53.40	306.4	31,31
90	104.9	104.5	101.7	99.57	94.21	99.38	101.7	105.9	85- 90	55.24	361.6	36.6,36.6
95	110.8	111.0	108.3	105.4	98.67	103.7	106.1	110.6	90- 95	56.92	418.5	42.3,42.3
100	114.0	114.1	111.6	108.6	103.0	107.5	110.4	114.4	95-100	59.13	477.7	48.3,48.3
105	116.3	116.1	114.0	111.3	105.8	109.8	112.5	116.6	100-105	59.69	537.4	54.4,54.4
110	117.0	117.0	114.9	112.0	107.0	110.3	113.4	117.3	105-110	59.28	596.6	60.3,60.3
115	115.8	115.8	114.0	111.2	106.6	109.1	111.7	115.8	110-115	57.24	653.9	66.1,66.1
120	114.0	114.5	113.0	110.4	105.8	107.8	110.1	114.0	115-120	54.39	708.3	71.6,71.6
125	112.6	112.6	112.1	108.6	103.1	104.6	107.0	109.6	120-125	50.85	759.1	76.8,76.8
130	108.5	108.4	107.0	104.1	100.2	102.0	103.9	106.8	125-130	46.74	805.9	81.5,81.5
135	102.1	101.6	100.3	98.31	95.22	96.60	98.23	100.2	130-135	41.26	847.1	85.7,85.7
140	96.44	95.55	94.80	93.22	90.81	92.00	93.21	94.58	135-140	35.71	882.8	89.3,89.3
145	87.15	86.31	85.46	84.26	83.20	83.88	85.12	86.19	140-145	30.06	912.9	92.3,92.3
150	77.68	76.95	76.50	75.47	74.95	75.12	76.10	77.06	145-150	23.78	936.7	94.7,94.7
155	69.56	69.01	68.76	67.94	67.64	67.67	68.29	69.10	150-155	18.33	955.0	96.6,96.6
160	62.33	61.99	61.77	61.10	61.04	60.92	61.13	61.86	155-160	13.65	968.7	98,98
165	55.52	55.34	55.02	54.66	54.90	54.73	54.52	55.16	160-165	9.623	978.3	98.9,98.9
170	48.49	48.46	48.14	48.16	48.91	48.52	48.43	48.37	165-170	6.151	984.4	99.6,99.6
175	41.16	41.07	41.08	41.20	42.10	42.23	42.11	41.93	170-175	3.238	987.7	99.9,99.9
180	48.10	48.16	48.30	48.49	48.08	48.15	48.35	48.50	175-180	1.035	988.7	100,100
DEG	LUMINOUS INTENSITY:cd MAX (Ii - Iavg)/Iavg (0-135) = 99.0 %									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	28706	27625
80	13768	13334
75	8691	8341
70	5961	5671
65	4250	4039
60	3062	2915
55	2228	2114
50	1612	1521
45	1152	1078

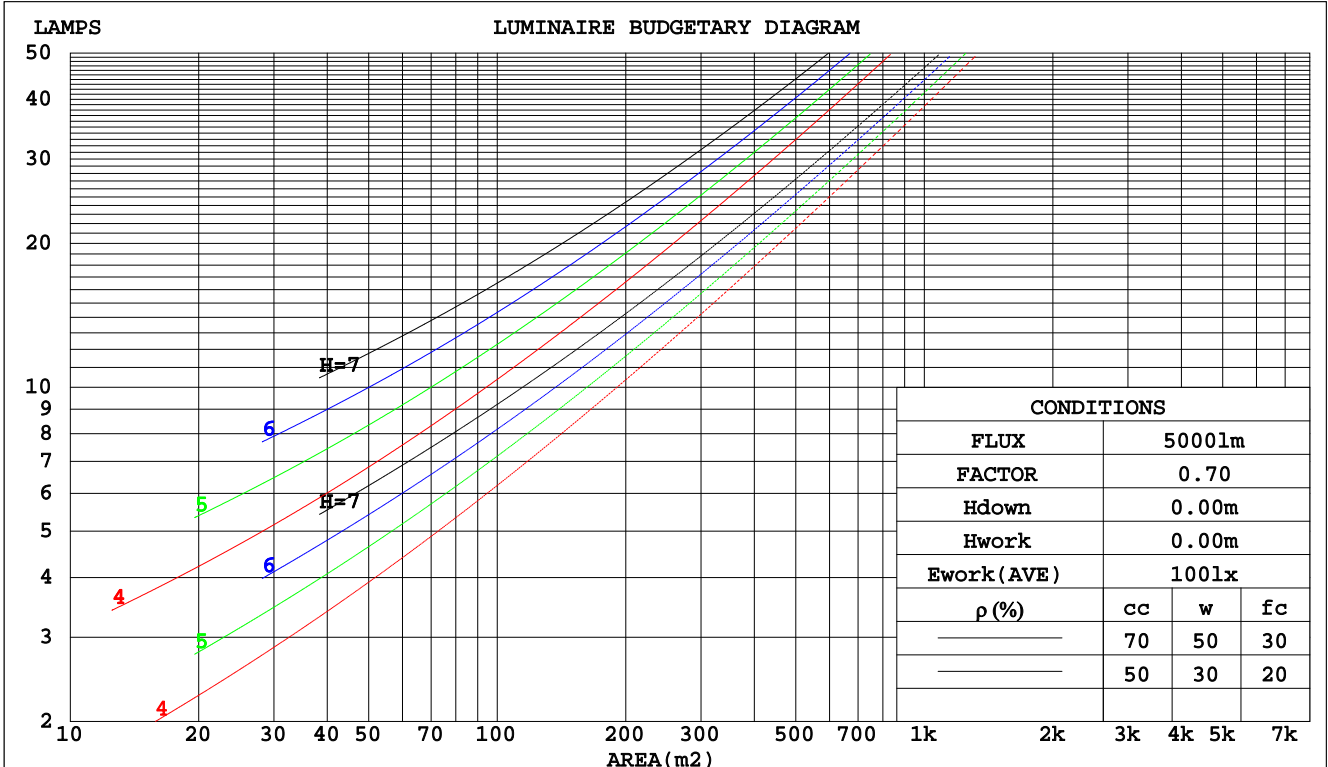
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:luominxian  
Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.04	1.04	1.04	.94	.94	.94	.76	.76	.76	.59	.59	.59	.44	.44	.44	.37
1.0	.82	.77	.71	.74	.69	.64	.58	.54	.50	.43	.40	.38	.30	.28	.26	.19
2.0	.69	.61	.54	.62	.54	.48	.48	.42	.38	.35	.31	.27	.23	.20	.18	.12
3.0	.59	.50	.42	.53	.45	.38	.41	.34	.29	.29	.25	.21	.19	.16	.13	.08
4.0	.51	.42	.34	.46	.37	.31	.35	.29	.24	.25	.20	.17	.16	.13	.10	.05
5.0	.45	.35	.29	.40	.32	.25	.31	.24	.19	.22	.17	.14	.14	.11	.08	.04
6.0	.40	.31	.24	.35	.27	.21	.27	.21	.16	.20	.15	.11	.12	.09	.06	.03
7.0	.35	.27	.20	.32	.24	.18	.24	.18	.14	.18	.13	.10	.11	.08	.05	.02
8.0	.32	.23	.18	.28	.21	.16	.22	.16	.12	.16	.11	.08	.10	.07	.04	.02
9.0	.29	.21	.15	.26	.19	.14	.20	.14	.10	.14	.10	.07	.09	.06	.04	.01
10.0	.26	.19	.13	.24	.17	.12	.18	.13	.09	.13	.09	.06	.09	.05	.03	.01



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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	.428	.243	.077	.401	.229	.073	.352	.202	.064	.306	.176	.057	.264	.153	.049	
2.0	.350	.192	.059	.326	.179	.055	.280	.156	.048	.238	.134	.042	.199	.113	.036	
3.0	.302	.161	.048	.279	.150	.045	.238	.129	.039	.199	.109	.033	.163	.090	.028	
4.0	.267	.139	.041	.246	.129	.038	.208	.110	.033	.172	.092	.028	.139	.076	.023	
5.0	.239	.122	.035	.221	.113	.033	.185	.096	.028	.152	.080	.024	.121	.065	.019	
6.0	.217	.109	.031	.200	.101	.029	.167	.086	.025	.137	.071	.021	.108	.057	.017	
7.0	.199	.098	.028	.183	.091	.026	.153	.077	.022	.124	.064	.019	.097	.051	.015	
8.0	.184	.090	.025	.169	.083	.023	.140	.070	.020	.114	.058	.017	.089	.046	.013	
9.0	.170	.082	.023	.157	.076	.021	.130	.064	.018	.105	.053	.015	.082	.042	.012	
10.0	.159	.076	.021	.146	.070	.020	.121	.059	.017	.098	.049	.014	.076	.038	.011	

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	.674	.674	.674	.576	.576	.576	.393	.393	.393	.226	.226	.226	.072	.072	.072	
1.0	.676	.642	.612	.578	.551	.527	.395	.379	.364	.228	.219	.212	.073	.071	.069	
2.0	.670	.622	.581	.574	.536	.503	.394	.371	.351	.227	.216	.206	.073	.070	.067	
3.0	.664	.608	.563	.569	.524	.488	.391	.364	.342	.226	.213	.202	.072	.069	.066	
4.0	.656	.597	.551	.563	.516	.479	.387	.359	.337	.224	.210	.199	.072	.069	.066	
5.0	.649	.588	.543	.557	.509	.472	.384	.355	.334	.222	.209	.198	.072	.068	.065	
6.0	.642	.581	.537	.552	.503	.468	.381	.352	.331	.221	.207	.197	.071	.068	.065	
7.0	.635	.575	.533	.546	.498	.464	.378	.349	.329	.219	.206	.196	.071	.067	.065	
8.0	.629	.570	.530	.541	.494	.462	.375	.347	.328	.218	.205	.195	.070	.067	.065	
9.0	.623	.566	.527	.537	.491	.460	.372	.345	.327	.217	.204	.195	.070	.067	.065	
10.0	.617	.562	.525	.532	.488	.458	.369	.343	.326	.215	.203	.194	.070	.067	.064	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm										
NAME:					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:20180122-04		
MFR.: target					SUR.:230MM			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	11.6	12.6	12.6	13.6	15.0	11.4	12.4	12.4	13.4	14.8
3H	16.3	17.2	17.3	18.2	19.6	16.0	16.9	17.0	18.0	19.4
4H	18.8	19.6	19.8	20.7	22.1	18.5	19.4	19.5	20.4	21.8
6H	21.4	22.2	22.4	23.2	24.6	21.1	21.9	22.2	23.0	24.4
8H	22.7	23.5	23.8	24.6	26.0	22.5	23.3	23.6	24.4	25.8
12H	24.3	25.0	25.3	26.1	27.5	24.1	24.8	25.1	25.9	27.3
4H 2H	13.1	13.9	14.1	15.0	16.4	12.9	13.8	14.0	14.8	16.3
3H	17.6	18.3	18.6	19.4	20.9	17.4	18.2	18.5	19.2	20.7
4H	20.1	20.8	21.2	21.9	23.4	20.0	20.6	21.0	21.7	23.2
6H	22.8	23.4	23.9	24.5	26.0	22.6	23.2	23.7	24.3	25.8
8H	24.2	24.8	25.3	25.9	27.4	24.1	24.6	25.1	25.7	27.2
12H	25.9	26.4	26.9	27.5	29.0	25.7	26.2	26.8	27.3	28.8
8H 4H	21.0	21.6	22.1	22.7	24.2	20.9	21.5	22.0	22.5	24.0
6H	23.9	24.4	25.0	25.5	27.0	23.8	24.2	24.9	25.4	26.9
8H	25.5	25.9	26.6	27.0	28.5	25.4	25.8	26.5	26.9	28.4
12H	27.3	27.7	28.4	28.8	30.3	27.1	27.5	28.2	28.6	30.2
12H 4H	21.3	21.8	22.4	22.9	24.4	21.2	21.7	22.2	22.8	24.3
6H	24.2	24.7	25.3	25.8	27.3	24.1	24.6	25.2	25.7	27.2
8H	25.9	26.3	27.1	27.5	29.0	25.8	26.2	26.9	27.4	28.9
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 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 988.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.0)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:luominxian  
Test Date:2018-01-22

$\gamma$  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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	PROTECTION ANGLE:

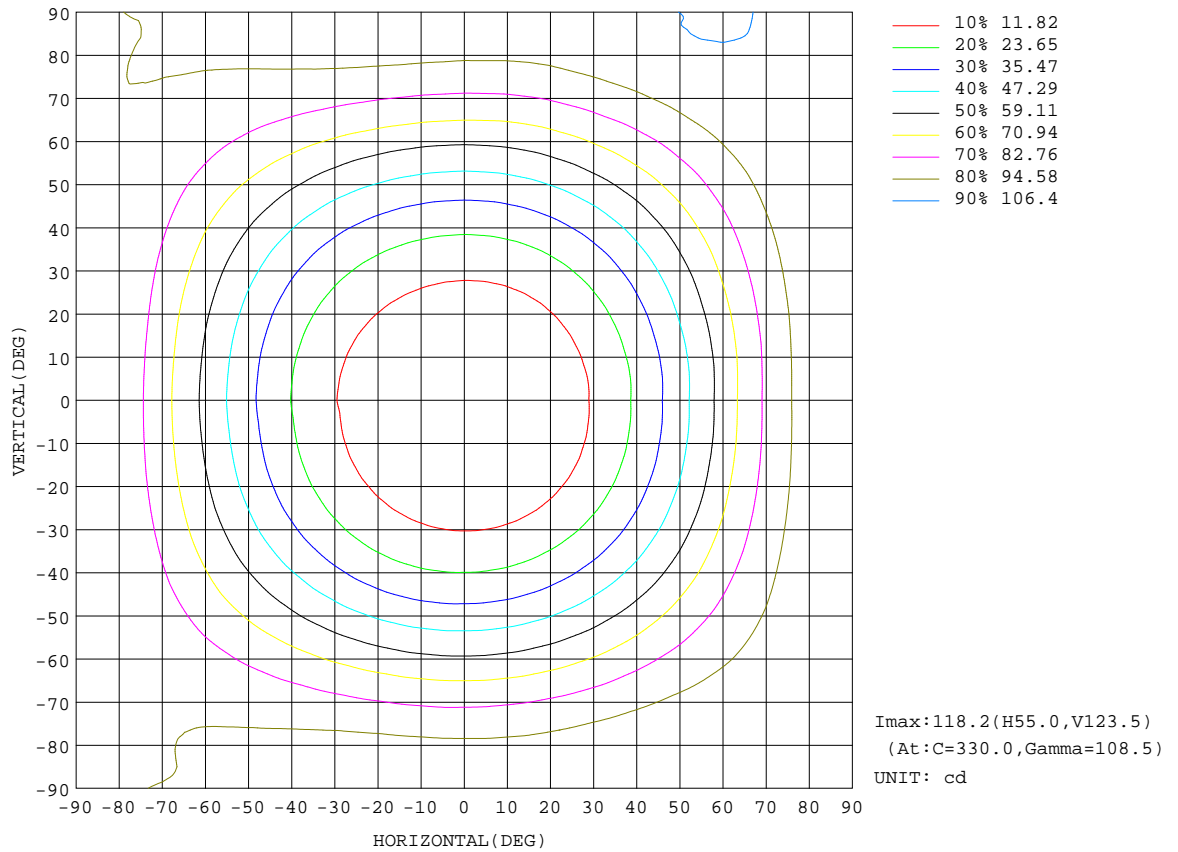
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	31	18	11	29	17	10	24	14	9	1
0.80	39	25	16	36	23	15	30	19	13	2
1.00	46	31	21	42	28	20	34	25	16	4
1.25	52	38	28	48	34	25	39	28	21	5
1.50	58	43	33	52	39	30	42	32	25	7
2.00	66	52	42	59	47	38	48	38	31	10
2.50	71	58	48	64	53	44	51	43	36	12
3.00	75	63	54	68	57	49	54	46	40	14
4.00	81	70	62	73	64	56	58	51	45	17
5.00	85	75	68	76	68	61	61	55	49	20
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:luominxian  
 Test Date:2018-01-22

$\gamma$  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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	PROTECTION ANGLE:

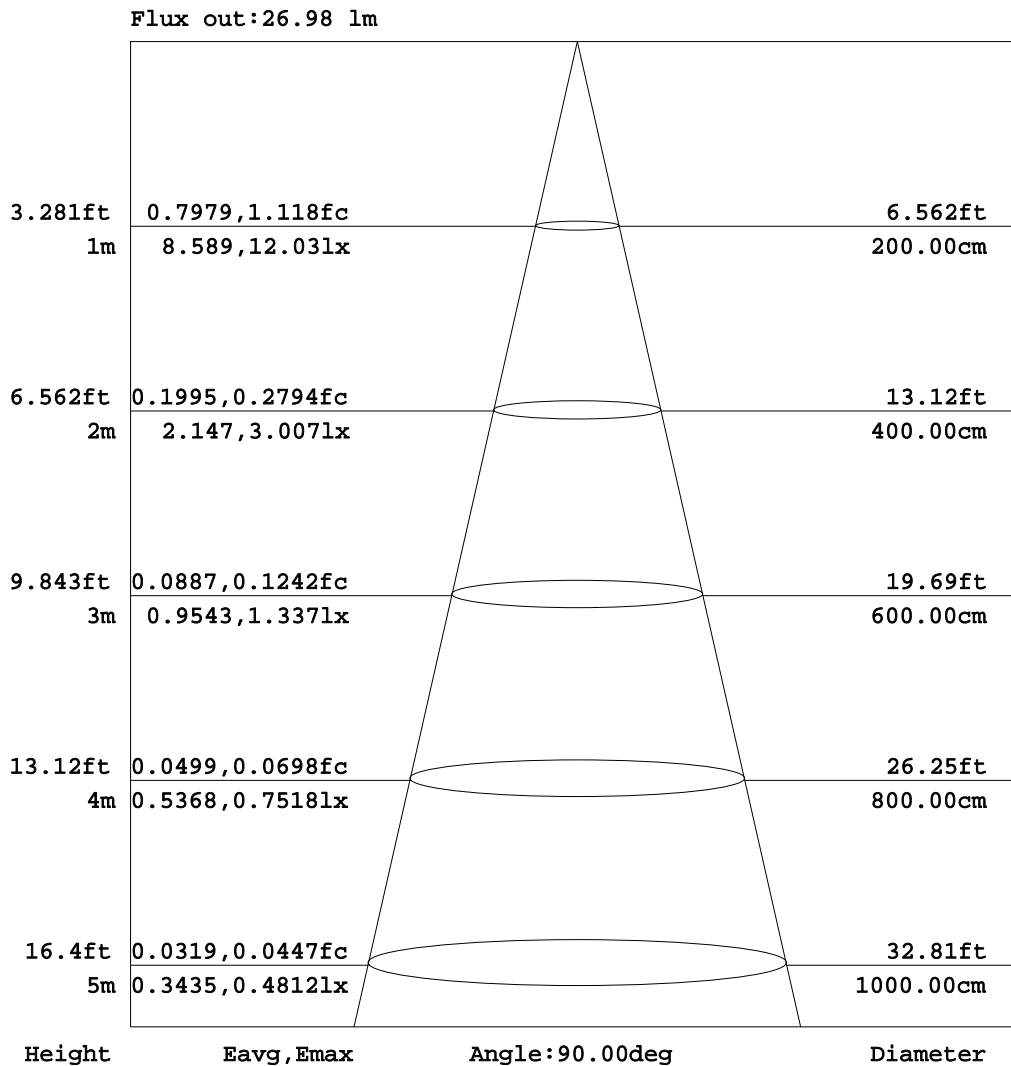


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	PROTECTION ANGLE:



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

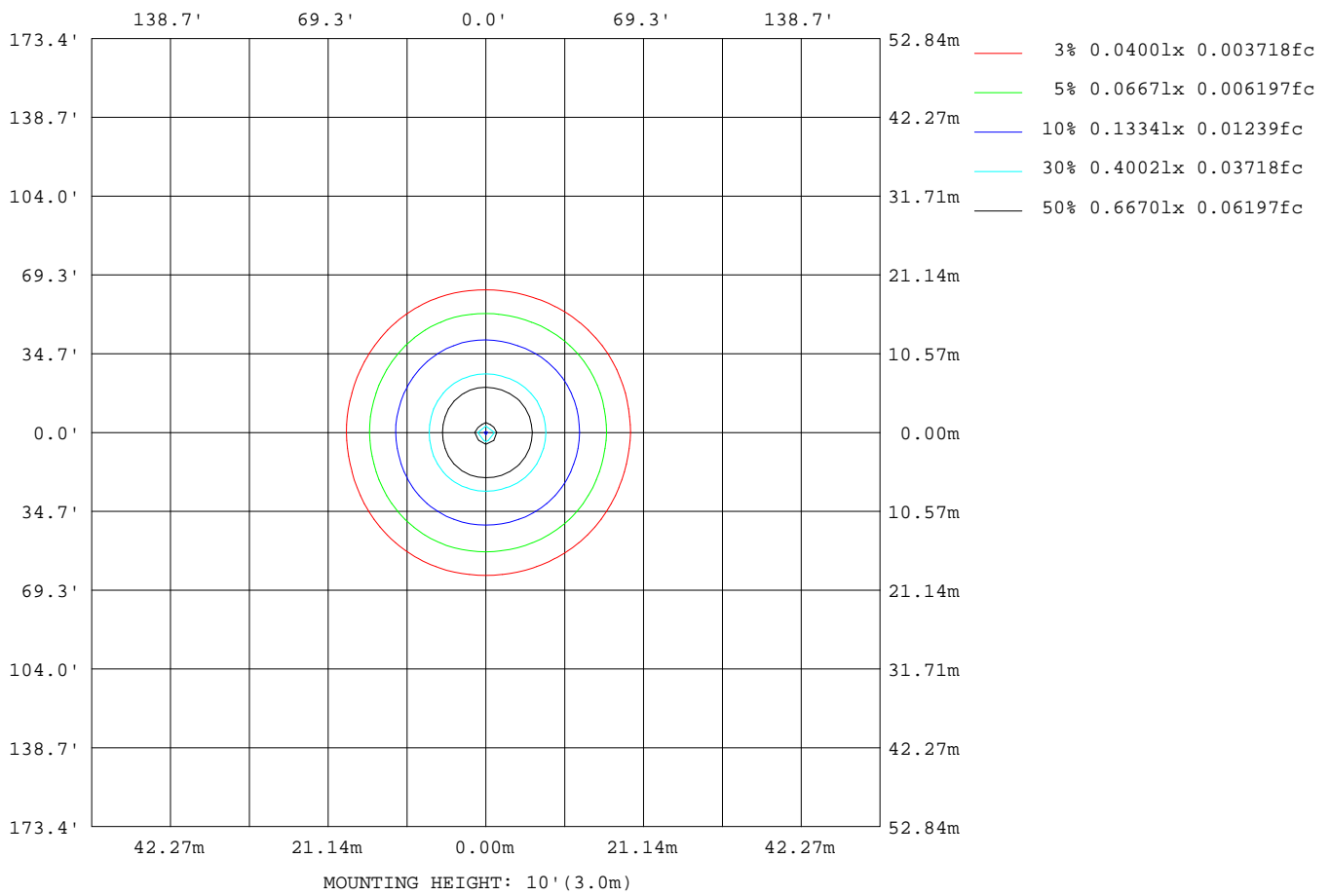
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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

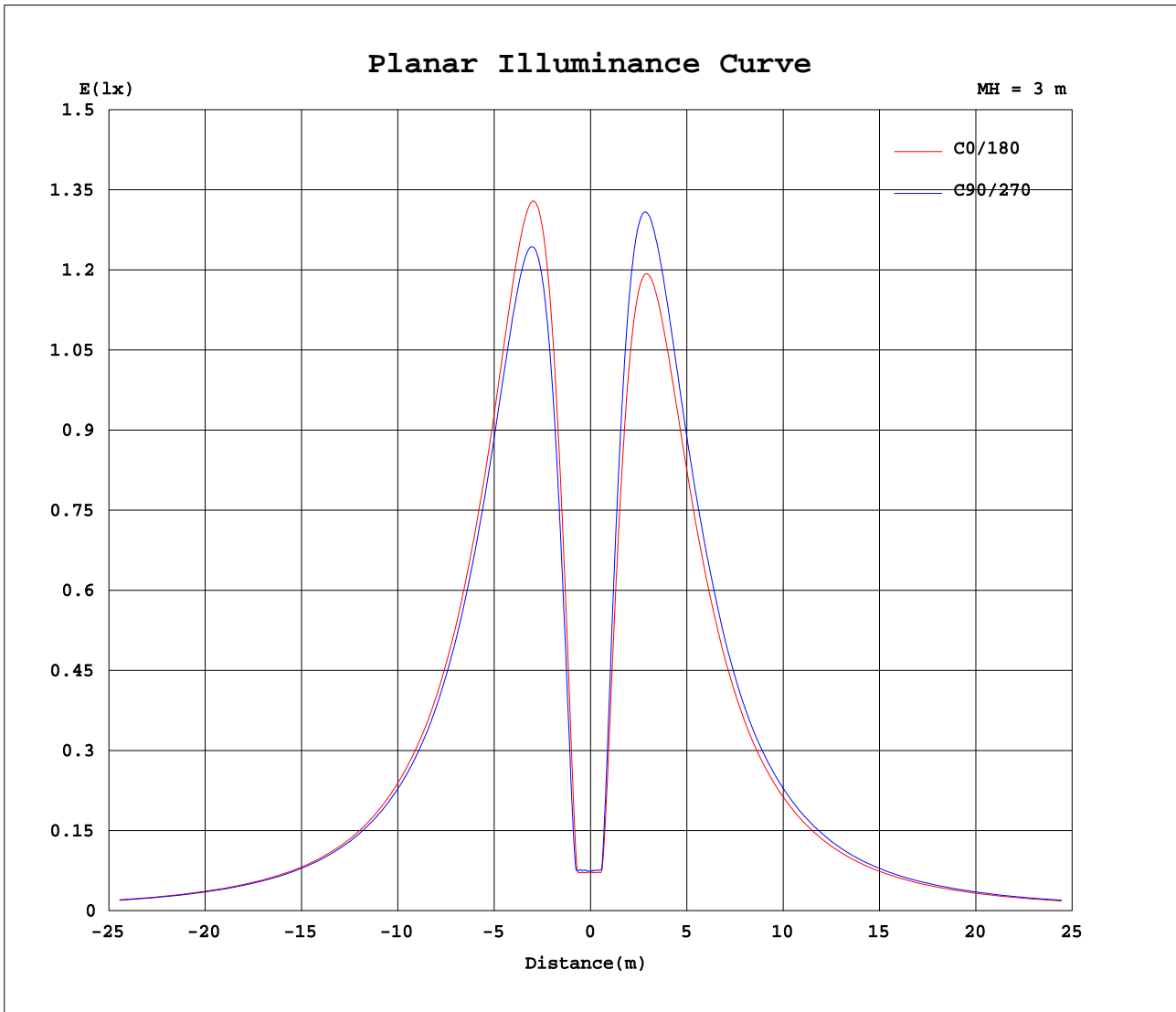
Test:U:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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: luominxian  
 Test Date: 2018-01-22

$\gamma$  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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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	0.64	0.65	0.65	0.66	0.65	0.66	0.65	0.67	0.65	0.67	0.66	0.67	0.67	0.68	0.67	0.69	0.67	0.69	0.67
5	0.65	0.70	0.66	0.71	0.66	0.71	0.66	0.71	0.66	0.72	0.67	0.71	0.67	0.72	0.68	0.72	0.67	0.72	0.70
10	0.67	0.73	0.73	0.74	0.69	0.74	0.68	0.74	0.71	0.74	0.69	0.74	0.71	0.75	0.70	0.75	0.71	0.75	0.72
15	1.41	1.33	1.29	1.20	1.15	1.07	1.00	0.96	0.90	0.86	0.79	0.81	0.77	0.82	0.78	0.83	0.81	0.89	0.94
20	4.32	4.14	4.06	3.88	3.81	3.64	3.58	3.41	3.37	3.22	3.20	3.10	3.13	3.07	3.13	3.11	3.21	3.24	3.38
25	8.19	8.00	7.91	7.72	7.63	7.45	7.38	7.21	7.16	7.02	7.00	6.88	6.91	6.83	6.87	6.84	6.90	6.87	6.98
30	13.0	12.8	12.7	12.5	12.4	12.2	12.1	12.0	12.0	11.8	11.8	11.7	11.7	11.5	11.6	11.5	11.5	11.5	11.5
35	18.8	18.5	18.5	18.3	18.2	18.0	18.0	17.9	17.8	17.7	17.7	17.5	17.5	17.3	17.3	17.1	17.1	17.0	17.1
40	25.7	25.4	25.4	25.2	25.2	25.1	25.1	24.9	24.9	24.8	24.8	24.6	24.5	24.2	24.1	23.9	23.9	23.7	23.8
45	33.8	33.5	33.5	33.3	33.4	33.3	33.4	33.2	33.3	33.1	33.1	32.8	32.7	32.3	32.2	31.9	31.9	31.7	31.7
50	43.0	42.7	42.7	42.6	42.7	42.5	42.7	42.6	42.7	42.4	42.4	42.0	41.9	41.5	41.3	41.0	40.9	40.6	40.6
55	53.1	52.8	52.7	52.6	52.7	52.6	52.8	52.7	52.7	52.5	52.4	52.0	51.8	51.3	51.1	50.7	50.6	50.3	50.4
60	63.6	63.3	63.3	63.1	63.3	63.2	63.3	63.2	63.3	63.0	62.9	62.4	62.2	61.7	61.5	60.9	60.8	60.5	60.5
65	74.6	74.3	74.3	74.1	74.3	74.2	74.4	74.2	74.3	74.0	73.7	73.1	72.8	72.3	72.0	71.4	71.2	70.8	70.9
70	84.7	84.2	84.0	83.8	83.9	83.9	84.1	84.1	84.2	84.0	83.8	83.2	82.8	82.2	81.8	81.2	81.0	80.6	80.5
75	93.4	93.0	92.9	92.6	92.8	92.9	93.2	93.3	93.4	93.2	92.9	92.4	92.0	91.5	91.0	90.4	90.1	89.7	89.7
80	99.3	98.6	98.2	97.9	98.0	98.1	98.5	98.7	98.9	98.9	98.7	98.2	97.9	97.4	97.0	96.6	96.3	96.1	96.2
85	104	103	103	103	103	103	103	103	104	103	103	102	102	102	101	101	100	100	100.0
90	105	104	104	103	103	104	104	104	105	105	104	104	104	103	103	102	102	102	102
95	111	110	110	110	110	110	111	111	111	111	111	111	110	110	109	109	109	109	108
100	114	113	113	113	113	113	114	114	114	114	114	113	113	113	112	112	112	112	112
105	116	116	116	115	115	115	116	116	116	116	116	116	115	115	115	114	114	114	114
110	117	117	116	116	117	117	117	117	117	117	117	116	116	116	116	115	115	115	115
115	116	116	115	115	115	115	116	116	116	116	116	116	115	115	115	115	114	114	114
120	114	114	114	114	114	114	114	115	115	115	114	114	114	114	114	113	113	113	113
125	113	113	112	112	112	112	112	112	112	113	113	113	113	113	113	113	112	112	112
130	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	107	107	107
135	102	102	102	102	102	102	102	102	101	102	101	101	101	101	101	101	101	101	100
140	96.4	96.5	96.3	96.3	96.1	96.0	95.9	95.9	95.7	95.5	95.4	95.5	95.4	95.4	95.3	95.2	95.0	94.9	94.8
145	87.1	87.2	87.0	87.0	86.8	86.8	86.6	86.6	86.4	86.3	86.1	86.0	85.8	85.9	85.7	85.8	85.7	85.7	85.5
150	77.7	77.7	77.6	77.7	77.5	77.5	77.3	77.2	77.1	76.9	76.8	76.8	76.6	76.6	76.5	76.7	76.6	76.7	76.5
155	69.6	69.7	69.6	69.6	69.5	69.4	69.2	69.3	69.1	69.0	68.9	68.8	68.7	68.7	68.7	68.8	68.8	68.8	68.8
160	62.3	62.4	62.3	62.4	62.3	62.3	62.1	62.1	62.0	62.0	61.9	61.9	61.7	61.8	61.7	61.8	61.7	61.9	61.8
165	55.5	55.6	55.6	55.7	55.5	55.6	55.4	55.4	55.3	55.3	55.2	55.3	55.1	55.1	55.0	55.1	55.0	55.1	55.0
170	48.5	48.6	48.5	48.6	48.6	48.6	48.5	48.5	48.4	48.5	48.3	48.3	48.2	48.3	48.1	48.2	48.1	48.2	48.1
175	41.2	41.3	41.2	41.3	41.2	41.3	41.2	41.2	41.1	41.1	40.9	41.0	40.8	40.8	40.8	40.9	40.8	41.0	41.1
180	48.1	48.1	48.1	48.2	48.2	48.1	48.1	48.2	48.2	48.2	48.1	48.2	48.1	48.1	48.2	48.2	48.2	48.3	48.3

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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	0.69	0.68	0.70	0.67	0.70	0.67	0.70	0.67	0.71	0.67	0.71	0.67	0.70	0.67	0.70	0.67	0.71	0.64	0.65
5	0.72	0.72	0.73	0.68	0.72	0.68	0.73	0.70	0.73	0.69	0.74	0.72	0.74	0.69	0.74	0.69	0.75	0.65	0.65
10	0.75	0.73	0.75	0.72	0.76	0.72	0.77	0.74	0.77	0.73	0.77	0.72	0.77	0.73	0.78	0.72	0.78	0.67	0.65
15	1.03	1.12	1.19	1.29	1.36	1.46	1.53	1.62	1.68	1.78	1.83	1.92	1.96	2.04	2.08	2.16	2.19	1.91	2.00
20	3.43	3.59	3.65	3.81	3.88	4.04	4.10	4.26	4.33	4.47	4.52	4.64	4.68	4.79	4.83	4.93	4.98	4.60	4.73
25	7.01	7.15	7.20	7.36	7.42	7.57	7.62	7.77	7.83	7.95	8.00	8.14	8.17	8.28	8.32	8.44	8.49	8.06	8.21
30	11.5	11.6	11.6	11.8	11.8	12.0	12.0	12.1	12.1	12.3	12.3	12.4	12.4	12.5	12.6	12.7	12.7	12.3	12.4
35	17.0	17.1	17.0	17.2	17.1	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.3	17.5
40	23.6	23.7	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0	23.9	23.9	23.8	23.9	23.8	23.9	23.8	23.3	23.5
45	31.5	31.5	31.4	31.6	31.5	31.6	31.5	31.7	31.6	31.6	31.4	31.4	31.1	31.1	30.9	31.0	30.9	30.3	30.5
50	40.4	40.5	40.4	40.6	40.4	40.6	40.5	40.6	40.4	40.4	40.0	39.8	39.4	39.3	39.0	39.0	38.9	38.3	38.5
55	50.2	50.3	50.2	50.4	50.3	50.4	50.3	50.3	50.0	49.9	49.3	49.0	48.4	48.2	47.8	47.7	47.5	47.1	47.3
60	60.4	60.6	60.5	60.7	60.7	60.8	60.5	60.5	60.1	59.8	59.1	58.6	57.9	57.5	57.0	56.9	56.7	56.3	56.6
65	70.8	70.9	70.9	71.2	71.1	71.2	70.9	70.7	70.2	69.8	69.0	68.4	67.5	66.9	66.4	66.2	66.1	65.9	66.2
70	80.5	80.6	80.6	80.9	80.8	80.9	80.5	80.2	79.6	79.2	78.3	77.6	76.6	76.0	75.4	75.1	75.0	74.9	75.1
75	89.5	89.5	89.6	90.0	90.0	90.0	89.7	89.4	88.8	88.2	87.3	86.4	85.3	84.7	84.0	83.7	83.5	83.7	84.1
80	96.2	96.4	96.5	96.7	96.6	96.3	95.8	95.3	94.5	93.7	92.8	91.8	90.8	90.1	89.4	89.1	88.9	89.4	89.6
85	99.9	100.0	100	100	100	100	99.8	99.2	98.6	97.8	96.9	95.9	94.7	94.1	93.3	93.0	92.8	93.6	93.8
90	102	102	102	102	102	102	101	100	99.6	98.7	97.8	96.9	95.8	95.1	94.3	94.0	93.8	94.2	94.4
95	108	108	108	108	108	108	107	106	105	104	103	102	101	100	99.5	99.0	98.7	98.7	98.9
100	112	111	111	111	111	111	110	109	109	108	107	106	105	104	103	103	103	103	103
105	114	114	114	114	113	113	113	112	111	111	110	109	108	107	106	106	106	106	106
110	115	115	115	114	114	114	113	113	112	111	110	110	109	108	107	107	107	107	107
115	114	114	114	113	113	113	112	112	111	111	110	109	108	108	107	107	106	107	107
120	113	112	112	112	112	111	111	111	110	110	109	108	107	107	106	106	106	106	106
125	112	111	111	111	110	110	109	109	109	108	108	108	107	106	106	105	105	103	103
130	107	106	106	106	106	105	105	104	104	104	104	103	103	102	102	102	101	100	100
135	100	99.8	99.6	99.4	99.3	98.9	98.7	98.4	98.3	98.0	97.8	97.3	97.0	96.5	96.2	96.0	95.9	95.2	95.2
140	94.6	94.4	94.3	94.0	93.8	93.6	93.6	93.3	93.2	93.0	92.8	92.5	92.3	92.0	91.8	91.5	91.5	90.8	90.8
145	85.5	85.2	85.2	85.0	84.9	84.6	84.6	84.3	84.3	84.0	83.9	83.7	83.7	83.5	83.5	83.4	83.5	83.2	83.1
150	76.5	76.3	76.3	76.1	76.1	75.8	75.7	75.5	75.5	75.3	75.3	75.2	75.2	75.1	75.2	75.1	75.2	74.9	74.8
155	68.8	68.7	68.7	68.4	68.4	68.1	68.1	67.9	67.9	67.7	67.8	67.7	67.7	67.7	67.8	67.7	67.8	67.6	67.6
160	61.8	61.7	61.6	61.4	61.4	61.3	61.2	61.1	61.1	61.0	61.0	60.9	61.0	61.0	61.1	61.0	61.1	61.0	60.9
165	55.1	54.9	55.0	54.8	54.9	54.7	54.8	54.6	54.7	54.5	54.6	54.5	54.6	54.5	54.6	54.5	54.6	54.9	54.7
170	48.2	48.1	48.3	48.2	48.3	48.1	48.2	48.1	48.2	48.0	48.0	47.9	47.9	47.8	47.8	47.8	47.8	48.9	48.9
175	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.2	41.2	41.1	41.1	41.1	41.1	41.0	41.0	40.9	40.9	42.1	42.1
180	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.6	48.5	48.4	48.4	48.3	48.2	48.1	48.0	47.8	47.7	48.1	48.1

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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	0.65	0.66	0.65	0.66	0.65	0.67	0.65	0.67	0.66	0.67	0.67	0.68	0.67	0.69	0.67	0.69	0.67	0.69	0.68
5	0.66	0.65	0.66	0.65	0.66	0.66	0.67	0.66	0.67	0.66	0.68	0.67	0.68	0.67	0.69	0.67	0.69	0.67	0.69
10	0.69	0.66	0.69	0.66	0.70	0.66	0.70	0.66	0.71	0.67	0.71	0.67	0.72	0.68	0.72	0.68	0.72	0.67	0.72
15	2.05	2.15	2.20	2.29	2.31	2.39	2.39	2.46	2.45	2.49	2.47	2.51	2.47	2.49	2.43	2.44	2.36	2.35	2.27
20	4.79	4.94	5.01	5.14	5.19	5.32	5.35	5.49	5.50	5.61	5.61	5.67	5.64	5.68	5.60	5.62	5.51	5.49	5.37
25	8.28	8.43	8.50	8.67	8.75	8.93	9.00	9.17	9.24	9.36	9.39	9.49	9.47	9.52	9.45	9.47	9.37	9.36	9.26
30	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.0	14.1	14.0	14.1	14.0	14.0	13.9
35	17.5	17.8	17.8	18.1	18.2	18.5	18.6	18.9	19.0	19.2	19.2	19.4	19.4	19.5	19.4	19.5	19.4	19.4	19.3
40	23.5	23.8	23.9	24.2	24.3	24.7	24.8	25.1	25.2	25.5	25.5	25.7	25.7	25.9	25.8	25.9	25.8	25.8	25.7
45	30.6	30.9	31.0	31.4	31.6	31.9	32.1	32.4	32.5	32.9	33.0	33.2	33.1	33.3	33.2	33.3	33.2	33.3	33.2
50	38.6	38.9	39.1	39.5	39.8	40.2	40.4	40.8	41.0	41.3	41.4	41.6	41.6	41.7	41.6	41.7	41.6	41.7	41.6
55	47.4	47.8	48.0	48.5	48.8	49.4	49.6	50.0	50.2	50.5	50.6	50.9	50.8	51.0	50.8	51.0	50.8	50.9	50.9
60	56.7	57.1	57.3	57.9	58.3	59.0	59.3	59.9	60.1	60.5	60.5	60.8	60.7	60.9	60.7	60.8	60.7	60.8	60.7
65	66.3	66.7	67.1	67.7	68.2	69.0	69.4	70.1	70.3	70.8	71.1	71.4	71.4	71.5	71.3	71.3	71.1	71.1	70.8
70	75.2	75.6	75.8	76.5	77.1	77.9	78.5	79.4	79.8	80.4	80.7	81.0	80.9	80.9	80.7	80.6	80.4	80.5	80.4
75	84.1	84.5	85.0	85.7	86.2	87.0	87.6	88.4	88.8	89.5	90.1	90.6	90.8	90.9	90.7	90.6	90.1	89.9	89.5
80	89.6	89.8	90.3	90.8	91.5	92.3	93.1	94.1	94.8	95.6	95.9	96.2	96.3	96.3	96.1	96.0	95.8	95.8	95.7
85	94.0	94.3	94.8	95.5	96.1	96.9	97.7	98.6	99.4	100	101	101	102	102	101	101	101	101	100
90	94.5	94.9	95.3	96.0	96.7	97.6	98.5	99.4	100	101	102	102	102	102	102	102	102	102	102
95	98.8	99.2	99.6	100	101	102	103	104	104	105	106	106	107	107	107	106	106	106	106
100	103	103	104	104	105	106	107	107	108	109	110	110	111	111	111	111	110	110	110
105	106	106	106	107	107	108	109	110	111	111	112	112	113	113	113	113	112	112	112
110	107	107	107	108	108	109	110	110	111	112	112	113	113	114	114	114	113	113	113
115	106	106	107	107	107	108	108	109	110	110	111	111	112	112	112	112	112	112	112
120	106	106	106	106	106	107	107	108	108	109	109	110	110	110	110	110	110	110	110
125	103	103	103	103	104	104	104	105	105	105	106	106	106	106	107	107	107	107	107
130	100	100	101	101	101	101	102	102	102	103	103	103	103	103	104	104	104	104	104
135	95.3	95.4	95.6	95.7	96.0	96.2	96.5	96.6	96.9	97.2	97.6	97.7	97.9	98.1	98.3	98.2	98.2	98.1	98.3
140	91.0	91.0	91.1	91.2	91.5	91.6	91.8	92.0	92.3	92.4	92.7	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.3
145	83.2	83.2	83.4	83.3	83.6	83.6	83.8	83.9	84.3	84.3	84.6	84.6	84.9	84.9	85.2	85.1	85.1	85.1	85.2
150	74.9	74.8	75.0	74.9	75.0	75.0	75.2	75.1	75.4	75.4	75.8	75.7	76.0	75.9	76.1	76.0	76.1	76.1	76.1
155	67.6	67.6	67.7	67.5	67.7	67.7	67.7	67.7	67.8	67.8	68.0	68.0	68.2	68.2	68.3	68.2	68.3	68.2	68.4
160	61.0	61.0	61.1	60.9	61.0	60.9	61.0	60.9	61.0	61.0	61.1	61.0	61.1	61.0	61.1	61.1	61.1	61.1	61.2
165	54.7	54.7	54.8	54.8	54.9	54.8	54.8	54.7	54.8	54.6	54.7	54.6	54.6	54.5	54.5	54.4	54.5	54.5	54.6
170	49.0	49.0	49.0	48.9	48.8	48.7	48.7	48.5	48.5	48.4	48.3	48.2	48.2	48.2	48.2	48.3	48.4	48.5	48.5
175	42.2	42.1	42.2	42.2	42.2	42.2	42.3	42.2	42.3	42.2	42.3	42.3	42.3	42.2	42.2	42.1	42.1	42.1	42.1
180	48.1	48.2	48.1	48.2	48.2	48.2	48.2	48.1	48.1	48.2	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.4

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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:120.9V I:0.1415A P:15.93W PF:0.9311 Lamp Flux:988.71lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20180122-04
MFR.: target	SUR.:230MM	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	0.70	0.67	0.70	0.67	0.70	0.67	0.71	0.67	0.71	0.67	0.70	0.67	0.70	0.67	0.71				
5	0.68	0.69	0.68	0.68	0.68	0.68	0.67	0.68	0.67	0.68	0.67	0.69	0.67	0.68	0.67				
10	0.68	0.72	0.68	0.72	0.68	0.71	0.67	0.72	0.67	0.72	0.67	0.71	0.67	0.72	0.67				
15	2.24	2.14	2.11	2.01	1.99	1.88	1.87	1.77	1.73	1.64	1.59	1.50	1.45	1.36	1.33				
20	5.35	5.23	5.20	5.06	5.05	4.91	4.90	4.77	4.75	4.63	4.61	4.48	4.45	4.30	4.25				
25	9.24	9.12	9.09	8.96	8.94	8.79	8.77	8.66	8.64	8.52	8.50	8.37	8.31	8.14	8.09				
30	13.9	13.7	13.7	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.3	13.1	13.1	12.9	12.8				
35	19.4	19.2	19.3	19.2	19.3	19.2	19.2	19.1	19.1	19.0	19.0	18.8	18.8	18.6	18.5				
40	25.8	25.8	25.9	25.8	25.9	25.9	26.0	25.9	26.0	25.8	25.8	25.7	25.7	25.4	25.4				
45	33.3	33.3	33.5	33.5	33.8	33.8	34.0	33.9	34.0	33.9	33.9	33.7	33.7	33.5	33.4				
50	41.9	41.9	42.3	42.4	42.7	42.8	43.0	43.0	43.2	43.0	43.1	42.9	42.9	42.6	42.5				
55	51.2	51.3	51.7	51.9	52.4	52.6	52.9	52.9	53.2	53.1	53.1	52.9	52.9	52.6	52.4				
60	61.1	61.2	61.8	62.1	62.7	62.9	63.3	63.4	63.7	63.5	63.6	63.3	63.2	62.9	62.9				
65	71.1	71.4	72.2	72.6	73.3	73.5	74.0	74.2	74.6	74.5	74.6	74.3	74.3	73.9	73.9				
70	80.7	81.0	81.8	82.4	83.2	83.6	84.2	84.4	84.8	84.8	84.9	84.5	84.5	84.1	83.9				
75	89.6	90.1	91.0	91.6	92.5	93.0	93.6	94.0	94.4	94.3	94.2	93.8	93.6	93.2	92.9				
80	95.9	96.5	97.3	98.0	98.8	99.3	99.9	100	101	101	101	100	99.8	99.4	99.0				
85	101	101	102	103	104	104	105	105	106	106	105	105	105	104	104				
90	102	102	103	104	105	106	106	106	107	107	107	106	106	105	105				
95	106	107	108	109	110	110	111	111	111	111	111	111	111	110	110				
100	110	111	112	113	113	114	114	115	115	115	115	115	115	114	114				
105	113	113	114	115	116	116	117	117	117	117	117	117	117	116	116				
110	113	114	115	116	116	117	117	118	118	118	118	118	118	117	117				
115	112	113	113	114	115	115	116	116	117	117	117	117	116	116	116				
120	110	111	111	112	113	114	114	115	115	115	115	115	115	114	114				
125	107	108	108	108	109	109	110	110	110	111	111	111	111	111	111				
130	104	105	105	106	106	106	107	107	107	108	108	108	108	108	108				
135	98.3	98.6	98.8	99.3	99.6	99.9	100	101	101	101	101	102	102	102	102				
140	93.2	93.4	93.6	93.9	94.1	94.4	94.6	95.0	95.3	95.6	95.8	96.0	96.1	96.3	96.1				
145	85.1	85.3	85.4	85.6	85.7	86.0	86.2	86.6	86.7	87.0	87.1	87.4	87.4	87.5	87.4				
150	76.1	76.3	76.4	76.6	76.6	77.0	77.1	77.4	77.4	77.8	77.7	77.9	77.8	77.9	77.7				
155	68.4	68.5	68.5	68.8	68.8	69.1	69.1	69.3	69.4	69.6	69.5	69.6	69.6	69.6	69.4				
160	61.2	61.3	61.4	61.6	61.7	61.9	61.9	62.0	62.0	62.2	62.1	62.2	62.0	62.0	61.8				
165	54.6	54.7	54.8	55.0	55.0	55.2	55.2	55.3	55.3	55.4	55.2	55.3	55.1	55.0	54.8				
170	48.4	48.4	48.3	48.3	48.2	48.4	48.4	48.5	48.4	48.5	48.3	48.3	48.1	48.0	47.7				
175	42.0	42.1	42.0	42.1	42.1	42.1	41.9	41.8	41.7	41.7	41.6	41.6	41.5	41.4	41.3				
180	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.4	48.3	48.2	48.1	48.0	47.9	47.7				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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	0.6790	0.6974	0.6745	0.7020	0.6745	0.6976	0.6745	0.7062	0.6745	0.7062
2.5	0.6835	0.7198	0.6789	0.7288	0.6745	0.7242	0.6745	0.7198	0.6745	0.7199
5.0	0.7197	0.7333	0.6836	0.7243	0.6790	0.7332	0.7016	0.7334	0.6926	0.7381
7.5	0.7334	0.7334	0.6925	0.7379	0.6924	0.7469	0.7379	0.7561	0.7152	0.7650
10.0	0.7334	0.7472	0.7198	0.7561	0.7152	0.7697	0.7379	0.7741	0.7287	0.7741
12.5	0.7377	0.7789	0.7334	0.7832	0.7602	0.8113	0.8044	0.8563	0.8850	0.9349
15.0	1.118	1.187	1.290	1.360	1.463	1.531	1.625	1.683	1.783	1.826
17.5	2.170	2.243	2.391	2.466	2.616	2.685	2.823	2.886	3.016	3.067
20.0	3.586	3.651	3.808	3.880	4.038	4.095	4.261	4.325	4.468	4.519
22.5	5.258	5.317	5.496	5.545	5.709	5.774	5.929	5.979	6.126	6.178
25.0	7.151	7.200	7.359	7.415	7.574	7.619	7.771	7.829	7.955	7.999
27.5	9.279	9.306	9.465	9.499	9.647	9.678	9.831	9.864	10.00	10.03
30.0	11.62	11.62	11.77	11.79	11.95	11.95	12.12	12.13	12.28	12.27
32.5	14.22	14.20	14.33	14.34	14.50	14.49	14.66	14.63	14.78	14.78
35.0	17.08	17.03	17.16	17.14	17.30	17.29	17.44	17.43	17.54	17.53
37.5	20.22	20.17	20.27	20.25	20.39	20.37	20.51	20.49	20.58	20.54
40.0	23.70	23.58	23.72	23.66	23.81	23.77	23.91	23.86	23.96	23.85
42.5	27.48	27.35	27.46	27.40	27.55	27.48	27.64	27.54	27.63	27.47
45.0	31.54	31.43	31.55	31.47	31.63	31.50	31.67	31.55	31.61	31.39
47.5	35.92	35.80	35.93	35.85	35.98	35.87	36.00	35.87	35.86	35.57
50.0	40.53	40.41	40.55	40.44	40.62	40.49	40.61	40.38	40.36	40.00
52.5	45.34	45.23	45.39	45.30	45.49	45.28	45.41	45.12	45.04	44.61
55.0	50.32	50.19	50.40	50.33	50.45	50.28	50.34	49.99	49.87	49.33
57.5	55.41	55.33	55.54	55.43	55.59	55.37	55.40	55.02	54.81	54.18
60.0	60.57	60.52	60.74	60.69	60.78	60.55	60.51	60.10	59.79	59.15
62.5	65.72	65.70	66.01	65.95	66.07	65.76	65.71	65.22	64.85	64.09
65.0	70.90	70.90	71.18	71.11	71.21	70.90	70.72	70.22	69.77	68.97
67.5	75.96	75.96	76.17	76.06	76.10	75.76	75.52	74.94	74.49	73.59
70.0	80.64	80.64	80.94	80.80	80.88	80.48	80.23	79.65	79.15	78.33
72.5	85.07	85.13	85.52	85.54	85.57	85.32	85.14	84.53	83.99	83.08
75.0	89.54	89.62	90.01	89.96	89.98	89.70	89.42	88.82	88.17	87.27
77.5	93.58	93.66	93.89	93.62	93.52	93.05	92.61	91.87	91.20	90.27
80.0	96.40	96.53	96.72	96.55	96.31	95.81	95.29	94.49	93.73	92.79
82.5	98.41	98.57	98.83	98.77	98.63	98.17	97.73	96.99	96.24	95.38
85.0	99.97	100.2	100.4	100.4	100.2	99.79	99.24	98.60	97.84	96.93
87.5	100.6	100.7	100.8	100.6	100.3	99.81	99.16	98.47	97.61	96.82
90.0	102.0	102.0	102.2	101.9	101.6	101.0	100.4	99.57	98.72	97.78
92.5	105.5	105.4	105.5	105.3	105.0	104.2	103.7	102.7	101.8	100.6
95.0	108.3	108.3	108.1	108.1	107.7	106.9	106.3	105.4	104.4	103.5
97.5	109.9	109.9	109.9	109.8	109.4	108.8	108.2	107.3	106.5	105.6
100.0	111.4	111.5	111.4	111.1	110.7	110.1	109.5	108.6	107.8	106.9
102.5	112.7	112.8	112.7	112.4	112.1	111.4	110.8	110.0	109.2	108.3
105.0	113.7	113.7	113.7	113.5	113.2	112.6	112.0	111.3	110.6	109.8
107.5	114.5	114.3	114.3	114.2	113.9	113.4	112.8	112.1	111.4	110.5
110.0	114.6	114.5	114.4	114.1	113.8	113.3	112.7	112.0	111.2	110.5
112.5	114.3	114.2	113.9	113.8	113.4	112.8	112.2	111.6	110.9	110.2
115.0	113.8	113.6	113.4	113.1	112.8	112.5	111.8	111.2	110.6	110.0
117.5	113.2	113.0	112.8	112.6	112.2	111.9	111.4	111.0	110.3	109.6
120.0	112.4	112.1	111.9	111.8	111.5	111.2	110.8	110.4	109.8	109.1
122.5	111.9	111.5	111.1	110.8	110.5	110.1	109.7	109.3	108.8	108.3
125.0	111.4	111.1	110.7	110.3	109.8	109.1	108.8	108.6	108.5	108.1
127.5	109.8	109.5	108.9	108.7	108.1	107.9	107.6	107.4	106.9	106.7
130.0	106.4	106.1	105.8	105.6	105.2	104.8	104.4	104.1	103.9	103.7
132.5	103.0	102.8	102.5	102.3	101.9	101.7	101.4	101.3	100.8	100.6
135.0	99.82	99.59	99.37	99.27	98.92	98.71	98.41	98.31	97.98	97.79
137.5	97.00	97.04	96.78	96.76	96.41	96.17	95.85	95.62	95.35	95.15
140.0	94.35	94.26	93.99	93.84	93.58	93.55	93.27	93.22	93.00	92.81
142.5	90.20	90.15	89.85	89.86	89.52	89.52	89.23	89.21	88.94	88.90
145.0	85.24	85.22	84.96	84.92	84.60	84.60	84.28	84.26	83.97	83.89
147.5	80.57	80.58	80.39	80.35	80.03	80.05	79.72	79.69	79.42	79.49
150.0	76.25	76.33	76.13	76.08	75.80	75.75	75.49	75.47	75.28	75.33
152.5	72.48	72.49	72.29	72.21	71.95	71.92	71.66	71.64	71.42	71.46
155.0	68.71	68.68	68.44	68.38	68.15	68.11	67.93	67.94	67.74	67.79
157.5	65.09	65.04	64.81	64.79	64.60	64.54	64.37	64.44	64.20	64.24
160.0	61.65	61.61	61.45	61.43	61.28	61.24	61.10	61.10	60.97	61.02
162.5	58.29	58.28	58.15	58.11	57.98	58.02	57.84	57.87	57.79	57.83
165.0	54.95	54.98	54.81	54.90	54.70	54.77	54.61	54.66	54.53	54.61
167.5	51.55	51.67	51.54	51.58	51.51	51.53	51.38	51.46	51.30	51.36
170.0	48.15	48.27	48.16	48.27	48.14	48.21	48.10	48.16	48.03	48.03
172.5	44.61	44.72	44.65	44.74	44.65	44.73	44.60	44.65	44.46	44.45
175.0	41.20	41.31	41.26	41.32	41.26	41.32	41.18	41.20	41.10	41.14
177.5	44.73	44.71	44.73	44.70	44.73	44.69	44.73	44.67	44.72	44.67
180.0	48.39	48.44	48.45	48.49	48.54	48.52	48.56	48.49	48.44	48.39

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:luominxian  
 Test Date:2018-01-22

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	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	0.6745	0.7020	0.6700	0.7019	0.6700	0.7062	0.6428	0.6522	0.6519	0.6565
2.5	0.6924	0.7200	0.6745	0.7243	0.6745	0.7289	0.6430	0.6473	0.6519	0.6519
5.0	0.7152	0.7424	0.6881	0.7424	0.6924	0.7471	0.6519	0.6474	0.6609	0.6519
7.5	0.7152	0.7650	0.7243	0.7606	0.7243	0.7651	0.6655	0.6473	0.6701	0.6519
10.0	0.7243	0.7745	0.7287	0.7788	0.7244	0.7832	0.6746	0.6473	0.6883	0.6564
12.5	0.9811	1.030	1.080	1.132	1.180	1.230	0.9968	1.046	1.093	1.145
15.0	1.922	1.962	2.037	2.076	2.156	2.190	1.906	1.997	2.052	2.149
17.5	3.177	3.216	3.325	3.352	3.446	3.481	3.135	3.259	3.325	3.462
20.0	4.644	4.682	4.792	4.828	4.935	4.978	4.598	4.731	4.792	4.944
22.5	6.302	6.334	6.454	6.477	6.593	6.634	6.238	6.377	6.442	6.588
25.0	8.138	8.171	8.282	8.322	8.435	8.486	8.060	8.206	8.278	8.433
27.5	10.15	10.19	10.33	10.34	10.47	10.52	10.06	10.22	10.30	10.47
30.0	12.42	12.40	12.54	12.56	12.70	12.72	12.25	12.43	12.50	12.69
32.5	14.90	14.88	15.01	15.01	15.14	15.16	14.66	14.83	14.91	15.11
35.0	17.62	17.59	17.70	17.68	17.81	17.82	17.29	17.47	17.55	17.76
37.5	20.63	20.54	20.64	20.60	20.71	20.70	20.18	20.34	20.42	20.66
40.0	23.95	23.81	23.87	23.79	23.89	23.85	23.29	23.48	23.55	23.80
42.5	27.51	27.33	27.36	27.22	27.31	27.27	26.69	26.89	26.94	27.21
45.0	31.38	31.13	31.12	30.94	30.99	30.90	30.33	30.53	30.59	30.87
47.5	35.51	35.17	35.09	34.84	34.90	34.77	34.21	34.42	34.46	34.79
50.0	39.82	39.42	39.31	39.00	39.00	38.87	38.32	38.55	38.57	38.90
52.5	44.36	43.86	43.71	43.32	43.29	43.13	42.62	42.82	42.91	43.28
55.0	49.01	48.43	48.22	47.79	47.72	47.54	47.07	47.31	47.41	47.76
57.5	53.79	53.14	52.84	52.37	52.27	52.10	51.64	51.88	51.96	52.32
60.0	58.65	57.91	57.55	57.00	56.86	56.69	56.33	56.61	56.67	57.06
62.5	63.56	62.75	62.29	61.73	61.57	61.36	61.12	61.39	61.45	61.91
65.0	68.37	67.47	66.94	66.37	66.24	66.07	65.86	66.15	66.29	66.69
67.5	72.95	72.00	71.54	70.92	70.71	70.54	70.43	70.67	70.76	71.16
70.0	77.60	76.57	76.01	75.38	75.13	74.95	74.87	75.13	75.18	75.58
72.5	82.37	81.29	80.64	79.91	79.68	79.43	79.41	79.68	79.73	80.15
75.0	86.36	85.30	84.69	83.96	83.65	83.53	83.74	84.05	84.14	84.50
77.5	89.34	88.25	87.53	86.96	86.62	86.49	86.89	87.18	87.28	87.56
80.0	91.83	90.83	90.09	89.38	89.06	88.93	89.38	89.60	89.61	89.82
82.5	94.38	93.27	92.51	91.77	91.42	91.19	91.72	91.88	91.94	92.17
85.0	95.86	94.73	94.05	93.28	92.98	92.82	93.60	93.84	94.01	94.28
87.5	95.83	94.87	94.13	93.46	93.10	93.06	94.00	94.21	94.47	94.77
90.0	96.85	95.81	95.07	94.33	93.98	93.83	94.21	94.35	94.51	94.85
92.5	99.61	98.36	97.52	96.76	96.20	95.96	96.12	96.15	96.23	96.50
95.0	102.3	101.2	100.4	99.54	98.98	98.70	98.67	98.86	98.80	99.15
97.5	104.4	103.5	102.7	101.8	101.3	101.1	101.2	101.4	101.3	101.7
100.0	106.0	105.0	104.2	103.4	103.0	102.8	103.0	103.0	103.1	103.4
102.5	107.5	106.6	105.8	104.9	104.6	104.4	104.5	104.4	104.4	104.7
105.0	109.0	108.0	107.2	106.4	106.0	105.7	105.8	105.7	105.9	106.0
107.5	109.7	108.8	108.0	107.4	106.8	106.6	106.8	106.8	106.8	106.9
110.0	109.6	108.7	108.1	107.4	106.9	106.8	107.0	107.0	106.9	107.0
112.5	109.4	108.6	107.9	107.2	106.9	106.7	106.8	106.8	106.7	106.8
115.0	109.1	108.3	107.6	107.1	106.6	106.4	106.6	106.5	106.4	106.4
117.5	108.8	108.0	107.3	106.8	106.3	106.2	106.3	106.2	106.2	106.1
120.0	108.2	107.3	106.6	106.3	106.0	105.7	105.8	105.8	105.8	105.8
122.5	107.9	107.2	106.4	105.6	105.2	105.1	104.9	104.8	104.8	104.6
125.0	107.6	107.1	106.5	105.7	105.0	104.8	103.1	103.0	103.0	103.1
127.5	106.1	105.7	105.3	104.8	104.3	103.9	102.0	102.0	102.2	102.3
130.0	103.3	102.8	102.2	101.9	101.5	101.3	100.2	100.1	100.3	100.5
132.5	100.1	99.78	99.25	98.96	98.62	98.51	97.77	97.75	97.79	97.92
135.0	97.35	97.01	96.53	96.24	95.99	95.91	95.22	95.20	95.33	95.38
137.5	94.82	94.63	94.17	93.91	93.67	93.60	92.92	92.90	93.03	93.04
140.0	92.48	92.28	91.96	91.79	91.51	91.47	90.81	90.83	90.98	90.97
142.5	88.60	88.51	88.21	88.21	87.99	88.09	87.76	87.70	87.78	87.77
145.0	83.70	83.66	83.47	83.53	83.35	83.50	83.20	83.13	83.24	83.17
147.5	79.26	79.30	79.19	79.25	79.11	79.14	78.95	78.87	78.93	78.90
150.0	75.18	75.20	75.12	75.18	75.14	75.16	74.95	74.76	74.89	74.80
152.5	71.30	71.37	71.26	71.41	71.31	71.35	71.14	71.01	71.12	71.08
155.0	67.69	67.73	67.68	67.81	67.75	67.81	67.64	67.55	67.61	67.57
157.5	64.16	64.25	64.20	64.33	64.26	64.42	64.35	64.23	64.34	64.27
160.0	60.92	61.03	60.98	61.09	61.09	61.12	61.04	60.90	61.02	60.97
162.5	57.71	57.84	57.74	57.82	57.72	57.83	57.90	57.82	57.95	57.88
165.0	54.49	54.59	54.54	54.55	54.47	54.56	54.90	54.66	54.73	54.72
167.5	51.28	51.32	51.18	51.24	51.15	51.23	52.23	52.08	51.95	51.82
170.0	47.91	47.88	47.76	47.85	47.78	47.83	48.91	48.87	49.03	48.99
172.5	44.26	44.31	44.23	44.26	44.13	44.21	45.34	45.32	45.46	45.40
175.0	41.08	41.07	41.01	40.99	40.86	40.88	42.10	42.08	42.15	42.13
177.5	44.69	44.62	44.58	44.48	44.47	44.33	45.94	46.02	46.07	46.17
180.0	48.31	48.22	48.14	48.03	47.84	47.71	48.08	48.10	48.14	48.16

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operator:luominxian  
 Test Date:2018-01-22

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	0.6519	0.6611	0.6519	0.6656	0.6519	0.6655	0.6609	0.6702	0.6654	0.6751
2.5	0.6564	0.6519	0.6519	0.6564	0.6519	0.6565	0.6654	0.6609	0.6700	0.6700
5.0	0.6610	0.6519	0.6609	0.6564	0.6654	0.6564	0.6745	0.6609	0.6789	0.6700
7.5	0.6700	0.6519	0.6700	0.6564	0.6746	0.6564	0.6881	0.6609	0.6881	0.6700
10.0	0.6927	0.6563	0.6974	0.6608	0.7018	0.6608	0.7072	0.6653	0.7119	0.6745
12.5	1.184	1.227	1.258	1.303	1.309	1.339	1.326	1.334	1.304	1.307
15.0	2.200	2.292	2.313	2.394	2.390	2.459	2.449	2.493	2.472	2.514
17.5	3.501	3.625	3.652	3.762	3.775	3.874	3.881	3.958	3.940	3.996
20.0	5.009	5.138	5.186	5.321	5.354	5.485	5.502	5.605	5.608	5.672
22.5	6.660	6.803	6.877	7.032	7.087	7.228	7.277	7.386	7.419	7.493
25.0	8.504	8.665	8.751	8.925	9.004	9.174	9.237	9.362	9.394	9.489
27.5	10.54	10.72	10.82	11.00	11.09	11.28	11.35	11.50	11.54	11.65
30.0	12.76	12.97	13.06	13.29	13.38	13.61	13.66	13.85	13.89	14.01
32.5	15.21	15.42	15.53	15.77	15.86	16.11	16.19	16.38	16.43	16.58
35.0	17.85	18.10	18.22	18.48	18.60	18.85	18.95	19.16	19.22	19.37
37.5	20.77	21.04	21.15	21.45	21.56	21.86	21.95	22.19	22.24	22.44
40.0	23.94	24.22	24.35	24.67	24.80	25.10	25.22	25.46	25.53	25.74
42.5	27.34	27.65	27.82	28.16	28.32	28.65	28.76	29.03	29.09	29.30
45.0	31.01	31.35	31.55	31.91	32.09	32.42	32.55	32.88	32.95	33.17
47.5	34.93	35.35	35.53	35.98	36.12	36.52	36.64	36.98	37.04	37.28
50.0	39.06	39.53	39.77	40.24	40.42	40.85	40.96	41.33	41.37	41.61
52.5	43.44	43.95	44.22	44.72	44.93	45.38	45.53	45.87	45.94	46.18
55.0	47.99	48.51	48.80	49.36	49.62	50.04	50.19	50.55	50.63	50.85
57.5	52.57	53.10	53.46	54.07	54.34	54.86	55.04	55.42	55.46	55.67
60.0	57.33	57.89	58.29	58.97	59.29	59.88	60.11	60.48	60.51	60.78
62.5	62.22	62.87	63.31	64.04	64.41	65.04	65.26	65.73	65.82	66.12
65.0	67.05	67.70	68.25	68.97	69.43	70.06	70.33	70.84	71.06	71.43
67.5	71.48	72.18	72.68	73.46	74.02	74.71	75.18	75.68	75.91	76.16
70.0	75.85	76.53	77.08	77.94	78.53	79.41	79.84	80.44	80.67	80.95
72.5	80.58	81.23	81.79	82.62	83.24	84.12	84.62	85.28	85.55	86.00
75.0	84.98	85.70	86.20	86.96	87.60	88.36	88.84	89.55	90.14	90.62
77.5	88.00	88.61	89.20	89.97	90.63	91.50	92.14	92.85	93.46	93.74
80.0	90.26	90.80	91.51	92.28	93.06	94.06	94.79	95.55	95.95	96.23
82.5	92.52	93.28	93.91	94.77	95.62	96.54	97.27	98.05	98.56	98.94
85.0	94.79	95.49	96.11	96.95	97.69	98.57	99.39	100.2	100.9	101.3
87.5	95.33	95.97	96.71	97.41	98.25	99.10	99.97	100.8	101.7	101.9
90.0	95.32	95.98	96.69	97.57	98.47	99.38	100.2	101.0	101.6	102.0
92.5	96.94	97.67	98.41	99.35	100.2	101.3	102.1	102.9	103.5	103.9
95.0	99.59	100.3	101.9	102.7	103.7	104.5	105.3	106.0	106.4	106.4
97.5	102.1	102.9	103.5	104.4	105.1	106.0	106.8	107.6	108.5	108.9
100.0	103.8	104.4	105.0	105.9	106.6	107.5	108.2	109.0	109.7	110.3
102.5	105.1	105.7	106.3	107.0	107.9	108.7	109.5	110.2	110.8	111.3
105.0	106.3	106.7	107.5	108.1	108.9	109.8	110.6	111.3	111.9	112.3
107.5	107.3	107.6	108.3	108.9	109.7	110.4	111.2	112.0	112.6	113.1
110.0	107.4	107.7	108.3	109.0	109.6	110.3	110.9	111.6	112.3	112.9
112.5	107.0	107.3	107.8	108.4	109.1	109.8	110.4	111.0	111.6	112.0
115.0	106.7	107.0	107.4	107.9	108.5	109.1	109.8	110.3	110.8	111.2
117.5	106.3	106.6	107.1	107.5	107.9	108.4	109.0	109.6	110.1	110.5
120.0	106.1	106.3	106.5	106.9	107.3	107.8	108.2	108.6	109.1	109.7
122.5	104.9	105.0	105.2	105.4	105.7	105.8	106.5	106.9	107.3	107.7
125.0	103.3	103.4	103.7	104.1	104.4	104.6	104.9	105.2	105.6	106.1
127.5	102.6	102.9	103.2	103.5	103.9	104.0	104.4	104.9	105.4	105.8
130.0	100.8	101.0	101.3	101.5	101.8	102.0	102.3	102.6	103.0	103.1
132.5	98.22	98.30	98.67	98.79	99.10	99.21	99.56	99.76	100.2	100.4
135.0	95.59	95.68	96.03	96.19	96.48	96.60	96.91	97.17	97.59	97.66
137.5	93.29	93.35	93.57	93.78	94.06	94.22	94.59	94.70	94.96	95.12
140.0	91.11	91.20	91.49	91.60	91.78	92.00	92.29	92.45	92.69	92.83
142.5	87.97	87.98	88.28	88.34	88.64	88.71	89.10	89.21	89.59	89.58
145.0	83.38	83.35	83.56	83.57	83.79	83.88	84.28	84.33	84.62	84.62
147.5	79.07	78.98	79.16	79.06	79.32	79.37	79.67	79.74	80.04	80.03
150.0	74.99	74.85	75.00	74.96	75.15	75.12	75.37	75.41	75.75	75.69
152.5	71.18	71.12	71.23	71.16	71.31	71.22	71.48	71.42	71.71	71.72
155.0	67.66	67.54	67.67	67.66	67.72	67.67	67.82	67.83	67.99	68.03
157.5	64.38	64.26	64.33	64.25	64.38	64.30	64.37	64.38	64.56	64.50
160.0	61.05	60.93	61.01	60.93	61.01	60.92	60.97	61.12	61.02	61.02
162.5	57.99	57.90	58.00	57.87	57.95	57.87	57.98	57.83	57.94	57.84
165.0	54.84	54.76	54.86	54.78	54.80	54.73	54.76	54.63	54.71	54.58
167.5	51.74	51.57	51.61	51.55	51.61	51.51	51.54	51.42	51.43	51.32
170.0	49.03	48.85	48.85	48.75	48.66	48.52	48.46	48.36	48.31	48.24
172.5	45.53	45.41	45.50	45.42	45.48	45.38	45.42	45.34	45.36	45.26
175.0	42.20	42.17	42.23	42.18	42.27	42.23	42.26	42.22	42.29	42.29
177.5	46.22	46.30	46.33	46.37	46.35	46.43	46.44	46.49	46.54	46.58
180.0	48.14	48.16	48.18	48.19	48.15	48.15	48.15	48.16	48.13	48.13

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: luominxian  
Test Date: 2018-01-22

$\gamma$  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	0.6700	0.6882	0.6700	0.6927	0.6700	0.6930	0.6790	0.6974	0.6745	0.7020
2.5	0.6745	0.6745	0.6745	0.6745	0.6790	0.6745	0.6836	0.6790	0.6836	0.6793
5.0	0.6836	0.6745	0.6881	0.6745	0.6881	0.6745	0.6883	0.6790	0.6926	0.6790
7.5	0.6926	0.6745	0.6971	0.6745	0.7017	0.6745	0.7062	0.6790	0.7017	0.6790
10.0	0.7156	0.6790	0.7153	0.6789	0.7244	0.6745	0.7243	0.6790	0.7198	0.6790
12.5	1.277	1.283	1.237	1.239	1.202	1.180	1.137	1.109	1.074	1.049
15.0	2.468	2.492	2.425	2.438	2.357	2.348	2.268	2.242	2.144	2.109
17.5	3.953	3.979	3.904	3.920	3.822	3.812	3.700	3.680	3.573	3.542
20.0	5.640	5.681	5.604	5.615	5.514	5.486	5.374	5.350	5.233	5.199
22.5	7.464	7.518	7.453	7.456	7.355	7.335	7.229	7.192	7.086	7.047
25.0	9.466	9.518	9.448	9.473	9.374	9.360	9.256	9.235	9.118	9.093
27.5	11.64	11.71	11.64	11.67	11.56	11.56	11.45	11.45	11.31	11.31
30.0	14.01	14.09	14.02	14.06	13.95	13.97	13.85	13.87	13.73	13.74
32.5	16.59	16.66	16.60	16.65	16.55	16.58	16.47	16.48	16.36	16.39
35.0	19.37	19.48	19.42	19.49	19.38	19.43	19.31	19.36	19.24	19.28
37.5	22.42	22.56	22.48	22.57	22.45	22.50	22.41	22.46	22.37	22.44
40.0	25.71	25.85	25.78	25.89	25.76	25.83	25.73	25.80	25.75	25.85
42.5	29.30	29.42	29.38	29.43	29.35	29.42	29.32	29.44	29.40	29.54
45.0	33.13	33.30	33.20	33.33	33.19	33.26	33.17	33.30	33.33	33.53
47.5	37.20	37.38	37.27	37.40	37.27	37.38	37.27	37.46	37.51	37.78
50.0	41.58	41.71	41.61	41.73	41.60	41.70	41.64	41.85	41.91	42.25
52.5	46.15	46.30	46.17	46.28	46.11	46.23	46.17	46.40	46.54	46.90
55.0	50.82	50.97	50.84	50.96	50.80	50.94	50.88	51.16	51.31	51.74
57.5	55.60	55.75	55.63	55.75	55.58	55.74	55.70	56.00	56.20	56.72
60.0	60.69	60.86	60.69	60.81	60.68	60.79	60.72	61.05	61.22	61.80
62.5	66.14	66.28	66.08	66.13	65.88	65.94	65.86	66.16	66.37	66.95
65.0	71.40	71.50	71.28	71.31	71.05	71.05	70.82	71.12	71.44	72.15
67.5	76.07	76.14	75.91	75.93	75.70	75.82	75.70	75.97	76.26	77.07
70.0	80.86	80.95	80.68	80.65	80.42	80.48	80.37	80.72	81.02	81.85
72.5	86.02	86.15	85.83	85.74	85.34	85.32	85.16	85.43	85.74	86.61
75.0	90.78	90.95	90.69	90.56	90.10	89.91	89.48	89.65	90.09	90.95
77.5	93.77	93.91	93.71	93.55	93.30	93.36	93.04	93.11	93.55	94.39
80.0	96.34	96.34	96.12	96.02	95.76	95.78	95.69	95.94	96.45	97.29
82.5	98.90	99.00	98.75	98.67	98.38	98.28	98.17	98.47	99.04	99.85
85.0	101.6	101.7	101.5	101.3	100.9	100.7	100.5	100.5	101.1	102.1
87.5	102.2	102.3	102.2	102.0	101.8	101.7	101.5	101.5	102.1	103.0
90.0	102.1	102.2	102.0	101.9	101.7	101.6	101.6	101.9	102.4	103.3
92.5	104.1	104.1	103.9	103.9	103.6	103.7	103.7	104.0	104.6	105.5
95.0	106.6	106.7	106.5	106.4	106.1	106.1	106.0	106.4	106.9	107.9
97.5	109.3	109.3	109.2	109.1	108.8	108.8	108.5	108.7	109.2	110.2
100.0	110.7	110.7	110.7	110.6	110.4	110.3	110.2	110.4	110.9	111.8
102.5	111.5	111.6	111.6	111.6	111.4	111.3	111.4	111.8	112.2	113.1
105.0	112.5	112.8	112.7	112.6	112.5	112.4	112.5	112.8	113.4	114.3
107.5	113.5	113.6	113.5	113.5	113.5	113.3	113.3	113.6	114.1	114.8
110.0	113.3	113.6	113.7	113.7	113.4	113.4	113.1	113.4	114.0	114.7
112.5	112.4	112.6	112.7	112.7	112.5	112.5	112.6	112.9	113.4	114.2
115.0	111.5	111.7	111.8	111.6	111.7	111.7	111.9	112.2	112.8	113.4
117.5	110.8	110.9	111.0	111.0	111.1	111.0	111.1	111.4	112.0	112.5
120.0	110.0	110.2	110.2	110.2	110.1	110.2	110.3	110.4	110.8	111.4
122.5	108.2	108.6	109.1	109.2	109.1	109.1	109.1	109.3	109.7	110.4
125.0	106.4	106.5	106.5	106.7	107.0	107.3	107.3	107.3	107.6	107.9
127.5	106.1	106.1	105.9	105.8	105.9	106.0	106.4	106.7	107.1	107.5
130.0	103.3	103.5	103.8	103.8	103.9	103.9	104.1	104.2	104.7	105.0
132.5	100.7	100.8	101.0	100.9	100.9	100.9	101.1	101.2	101.6	101.8
135.0	97.94	98.07	98.25	98.18	98.23	98.09	98.27	98.26	98.62	98.81
137.5	95.37	95.49	95.64	95.60	95.74	95.58	95.63	95.64	95.90	96.14
140.0	93.10	93.15	93.20	93.20	93.21	93.21	93.28	93.21	93.42	93.58
142.5	89.90	89.92	90.14	89.99	90.11	89.95	90.13	90.09	90.27	90.33
145.0	84.95	84.94	85.15	85.10	85.12	85.07	85.17	85.09	85.34	85.41
147.5	80.32	80.34	80.45	80.37	80.46	80.42	80.52	80.48	80.68	80.72
150.0	76.00	75.94	76.09	76.00	76.10	76.05	76.13	76.15	76.31	76.40
152.5	71.96	71.90	72.09	71.97	72.06	72.01	72.17	72.16	72.31	72.35
155.0	68.18	68.21	68.26	68.19	68.29	68.24	68.37	68.35	68.53	68.51
157.5	64.64	64.60	64.62	64.60	64.67	64.67	64.79	64.78	64.93	64.97
160.0	61.09	61.00	61.09	61.10	61.13	61.10	61.21	61.20	61.35	61.43
162.5	57.93	57.78	57.82	57.75	57.86	57.79	57.92	57.90	58.08	58.11
165.0	54.64	54.51	54.49	54.41	54.52	54.46	54.64	54.59	54.74	54.77
167.5	51.34	51.21	51.22	51.13	51.21	51.30	51.31	51.27	51.43	51.45
170.0	48.17	48.17	48.18	48.31	48.43	48.51	48.46	48.36	48.36	48.33
172.5	45.27	45.16	45.17	45.11	45.18	45.14	45.23	45.20	45.31	45.32
175.0	42.30	42.21	42.17	42.09	42.11	42.07	42.09	42.02	42.06	42.03
177.5	46.61	46.64	46.62	46.69	46.69	46.73	46.71	46.75	46.69	46.72
180.0	48.16	48.20	48.26	48.29	48.35	48.35	48.38	48.43	48.46	48.51

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: luominxian  
 Test Date: 2018-01-22

$\gamma$  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	0.6745	0.6976	0.6745	0.7062	0.6745	0.7062	0.6745	0.7020	0.6700	0.7019
2.5	0.6791	0.6790	0.6790	0.6700	0.6790	0.6701	0.6745	0.6700	0.6702	0.6700
5.0	0.6836	0.6790	0.6836	0.6700	0.6836	0.6700	0.6837	0.6700	0.6880	0.6700
7.5	0.7017	0.6790	0.7017	0.6700	0.7017	0.6700	0.7018	0.6700	0.6927	0.6700
10.0	0.7199	0.6790	0.7108	0.6744	0.7198	0.6700	0.7154	0.6700	0.7110	0.6700
12.5	1.021	0.9854	0.9387	0.8882	0.8557	0.7954	0.7769	0.7190	0.7472	0.7060
15.0	2.006	1.990	1.884	1.867	1.765	1.727	1.638	1.593	1.497	1.449
17.5	3.422	3.399	3.267	3.250	3.135	3.109	2.983	2.955	2.832	2.813
20.0	5.063	5.051	4.912	4.897	4.766	4.746	4.629	4.612	4.477	4.448
22.5	6.914	6.892	6.740	6.732	6.598	6.585	6.464	6.450	6.312	6.278
25.0	8.957	8.936	8.792	8.771	8.656	8.640	8.525	8.504	8.367	8.314
27.5	11.18	11.18	11.03	11.03	10.92	10.91	10.78	10.77	10.62	10.57
30.0	13.60	13.64	13.50	13.52	13.40	13.41	13.27	13.26	13.09	13.06
32.5	16.27	16.32	16.20	16.23	16.11	16.13	15.99	15.98	15.82	15.78
35.0	19.19	19.26	19.16	19.22	19.10	19.15	18.99	18.98	18.82	18.78
37.5	22.36	22.47	22.37	22.46	22.37	22.41	22.25	22.26	22.10	22.09
40.0	25.81	25.94	25.86	26.00	25.89	25.96	25.83	25.82	25.69	25.65
42.5	29.54	29.73	29.67	29.84	29.73	29.83	29.69	29.73	29.56	29.55
45.0	33.54	33.80	33.75	33.95	33.88	34.00	33.86	33.93	33.74	33.74
47.5	37.84	38.14	38.13	38.35	38.31	38.46	38.33	38.40	38.19	38.19
50.0	42.35	42.70	42.76	42.99	42.96	43.20	43.05	43.14	42.90	42.91
52.5	47.08	47.52	47.56	47.86	47.86	48.10	47.98	48.06	47.83	47.82
55.0	51.93	52.42	52.56	52.88	52.92	53.16	53.05	53.13	52.91	52.87
57.5	56.96	57.49	57.60	57.99	58.09	58.35	58.21	58.32	58.05	58.04
60.0	62.13	62.74	62.88	63.33	63.41	63.68	63.54	63.57	63.31	63.21
62.5	67.37	68.03	68.28	68.77	68.87	69.17	69.02	69.06	68.82	68.74
65.0	72.56	73.27	73.53	74.04	74.20	74.57	74.47	74.56	74.32	74.29
67.5	77.51	78.25	78.56	79.07	79.27	79.71	79.69	79.83	79.53	79.55
70.0	82.39	83.23	83.60	84.18	84.39	84.81	84.76	84.88	84.50	84.50
72.5	87.28	88.14	88.65	89.30	89.60	89.93	89.83	89.85	89.41	89.20
75.0	91.63	92.49	93.05	93.63	94.00	94.37	94.32	94.25	93.83	93.60
77.5	95.09	95.83	96.42	96.93	97.38	97.80	97.79	97.66	97.35	97.14
80.0	98.02	98.81	99.34	99.87	100.3	100.6	100.6	100.5	100.2	99.84
82.5	100.7	101.6	102.1	102.7	103.1	103.3	103.3	103.1	102.7	102.4
85.0	102.9	103.7	104.4	105.0	105.5	105.7	105.7	105.4	104.9	104.5
87.5	104.8	104.6	105.3	105.8	106.3	106.6	106.7	106.4	106.0	105.6
90.0	104.1	104.9	105.5	105.9	106.4	106.8	106.8	106.5	106.2	105.8
92.5	106.2	107.0	107.5	107.9	108.2	108.5	108.5	108.3	108.0	107.7
95.0	108.7	109.5	110.2	110.6	111.0	111.3	111.3	111.2	110.8	110.6
97.5	110.9	111.8	112.5	113.0	113.4	113.8	113.8	113.6	113.3	113.0
100.0	112.5	113.3	113.9	114.4	114.8	115.1	115.1	115.1	114.9	114.5
102.5	113.8	114.5	115.0	115.5	115.9	116.2	116.2	116.2	115.9	115.6
105.0	115.1	115.5	116.1	116.6	117.0	117.3	117.3	117.3	116.9	116.6
107.5	115.7	116.4	117.0	117.4	117.9	118.1	118.2	118.0	117.7	117.4
110.0	115.6	116.3	116.8	117.3	117.7	117.9	118.0	118.0	117.9	117.6
112.5	114.9	115.6	116.1	116.7	117.1	117.2	117.5	117.5	117.5	117.2
115.0	114.2	114.7	115.4	115.8	116.3	116.6	116.7	116.7	116.6	116.5
117.5	113.2	113.8	114.5	115.1	115.5	115.7	116.0	115.9	115.8	115.6
120.0	112.1	112.8	113.5	114.0	114.5	114.8	115.0	114.9	114.8	114.6
122.5	111.2	111.6	112.1	112.4	112.7	113.0	113.3	113.3	113.4	113.3
125.0	108.4	108.8	109.3	109.6	110.0	110.3	110.5	110.6	110.8	110.9
127.5	108.0	108.4	108.8	109.0	109.3	109.5	109.7	109.7	109.7	109.7
130.0	105.6	105.9	106.5	106.8	107.2	107.4	107.6	107.5	107.7	107.7
132.5	102.3	102.6	103.1	103.4	103.9	104.1	104.4	104.5	104.8	104.8
135.0	99.26	99.55	99.94	100.2	100.7	101.0	101.3	101.4	101.6	101.8
137.5	96.52	96.68	97.08	97.33	97.79	97.99	98.36	98.48	98.75	98.84
140.0	93.92	94.15	94.45	94.58	95.02	95.25	95.61	95.78	96.02	96.12
142.5	90.69	90.75	91.12	91.21	91.61	91.79	92.23	92.29	92.58	92.54
145.0	85.62	85.66	86.04	86.19	86.56	86.69	87.02	87.05	87.38	87.36
147.5	80.99	81.00	81.38	81.52	81.84	81.88	82.23	82.24	82.48	82.39
150.0	76.63	76.64	76.96	77.06	77.35	77.43	77.76	77.72	77.93	77.78
152.5	72.57	72.63	72.87	72.94	73.24	73.25	73.52	73.48	73.65	73.56
155.0	68.79	68.78	69.07	69.10	69.36	69.36	69.58	69.54	69.65	69.56
157.5	65.13	65.18	65.41	65.42	65.67	65.64	65.85	65.78	65.86	65.76
160.0	61.64	61.65	61.85	61.86	62.01	62.03	62.15	62.11	62.19	62.03
162.5	58.36	58.33	58.54	58.52	58.68	58.63	58.74	58.69	58.74	58.56
165.0	54.99	55.02	55.18	55.16	55.31	55.30	55.38	55.24	55.26	55.11
167.5	51.64	51.65	51.87	51.85	51.98	51.94	51.98	51.85	51.83	51.66
170.0	48.34	48.23	48.40	48.37	48.48	48.43	48.47	48.33	48.34	48.11
172.5	45.37	45.14	45.05	44.83	44.77	44.65	44.72	44.56	44.54	44.28
175.0	42.11	42.08	42.10	41.93	41.83	41.71	41.71	41.63	41.56	41.53
177.5	46.66	46.68	46.55	46.50	46.41	46.34	46.12	46.01	45.81	45.70
180.0	48.54	48.54	48.52	48.50	48.47	48.38	48.28	48.22	48.11	48.02

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25DEG

Operators:luominxian

Test Date:2018-01-22

 $\gamma$  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:

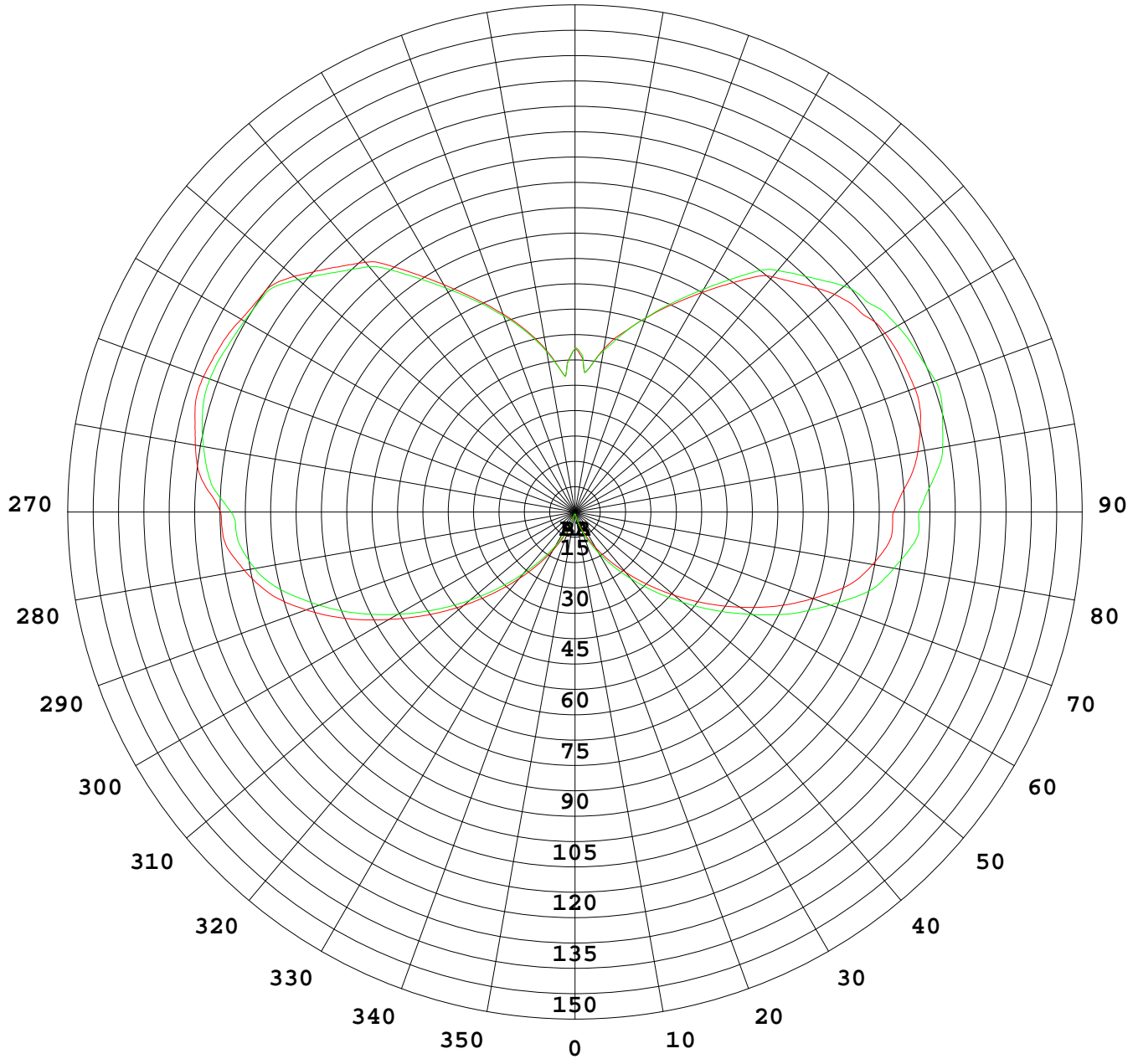
## Photometric Data Table [cd]

G/C	350.0	355.0
0.0	0.6700	0.7062
2.5	0.6746	0.6745
5.0	0.6836	0.6745
7.5	0.6973	0.6745
10.0	0.7153	0.6745
12.5	0.7470	0.7105
15.0	1.355	1.329
17.5	2.673	2.642
20.0	4.297	4.247
22.5	6.117	6.073
25.0	8.144	8.092
27.5	10.40	10.35
30.0	12.87	12.84
32.5	15.60	15.54
35.0	18.58	18.54
37.5	21.86	21.83
40.0	25.44	25.39
42.5	29.30	29.26
45.0	33.46	33.42
47.5	37.91	37.86
50.0	42.60	42.52
52.5	47.48	47.44
55.0	52.55	52.43
57.5	57.67	57.59
60.0	62.93	62.91
62.5	68.37	68.37
65.0	73.92	73.86
67.5	79.16	79.00
70.0	84.08	83.92
72.5	88.75	88.64
75.0	93.15	92.91
77.5	96.64	96.27
80.0	99.36	98.99
82.5	101.9	101.5
85.0	104.1	103.7
87.5	105.1	104.6
90.0	105.3	104.7
92.5	107.2	106.9
95.0	110.2	110.0
97.5	112.6	112.3
100.0	114.1	113.7
102.5	115.2	114.8
105.0	116.3	115.8
107.5	117.1	116.7
110.0	117.2	116.8
112.5	116.9	116.4
115.0	116.3	115.8
117.5	115.4	115.0
120.0	114.3	114.0
122.5	113.1	112.8
125.0	111.0	110.9
127.5	109.6	109.8
130.0	107.9	107.8
132.5	104.9	104.7
135.0	101.8	101.7
137.5	98.96	98.86
140.0	96.25	96.05
142.5	92.73	92.57
145.0	87.55	87.37
147.5	82.59	82.40
150.0	77.87	77.71
152.5	73.62	73.36
155.0	69.58	69.38
157.5	65.78	65.61
160.0	62.04	61.83
162.5	58.52	58.31
165.0	55.04	54.78
167.5	51.61	51.35
170.0	48.01	47.73
172.5	44.17	43.97
175.0	41.44	41.32
177.5	45.50	45.38
180.0	47.88	47.71

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: luominxian  
 Test Date: 2018-01-22

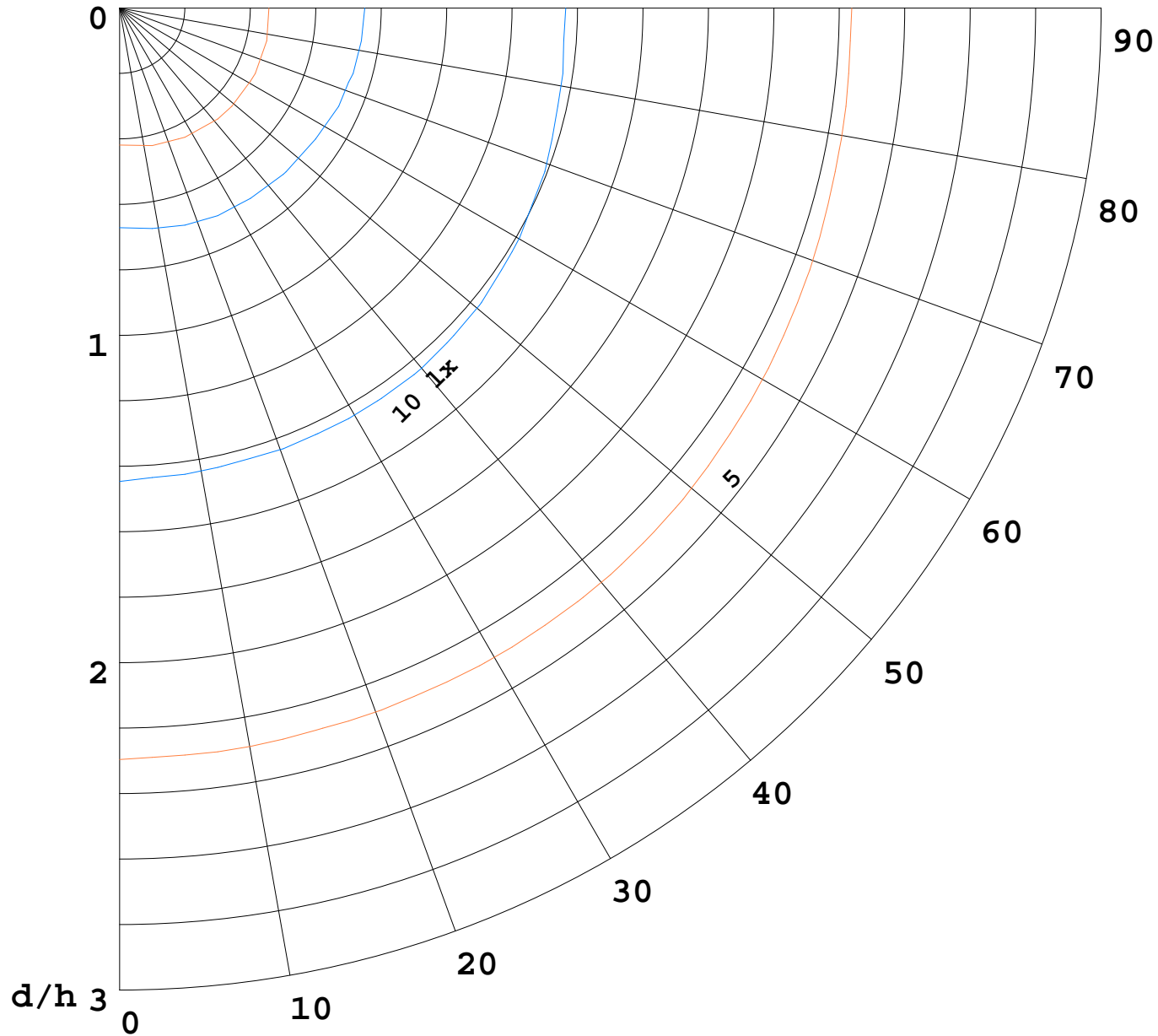
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.272  
 Humidity: 70%  
 Test Distance: 8.425m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$\kappa = 1$





**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

