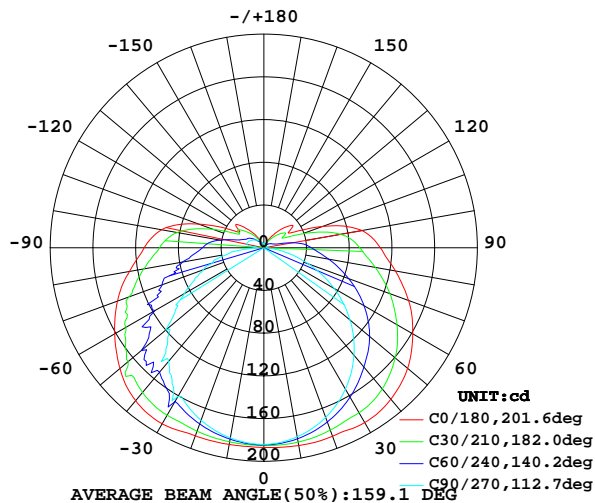


## LUMINAIRE PHOTOMETRIC TEST REPORT

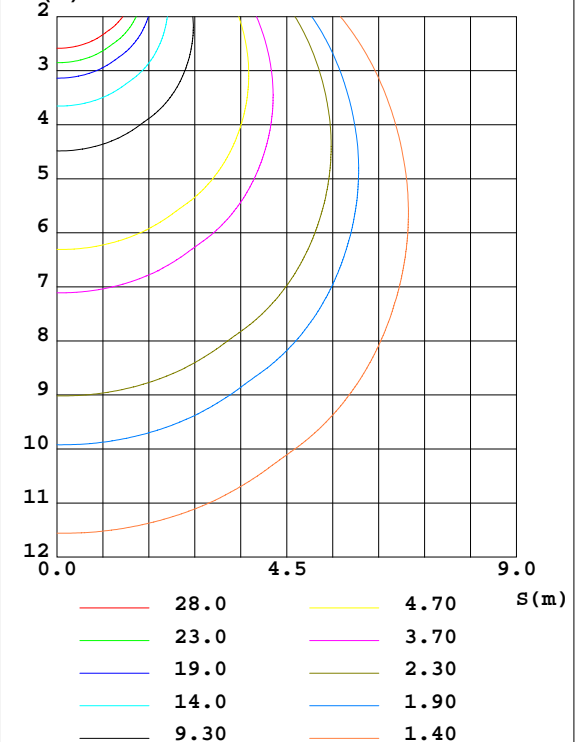
Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.651x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.87 lm/W			
MODEL	55573WTSN	I <sub>max</sub> (cd)	190.4	S/MH(C0/180)	1.55
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)		TOTAL FLUX(lm)	978.65	η UP,DN(C0-180)	8.0,39.8
NOMINAL FLUX(lm)	978.651	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.0,42.2
LAMPS INSIDE	1	η up(%)	18.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	82.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2016-12-22

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	188.0	183.2	179.8	182.0	187.0	183.3	180.7	183.1	0- 10	17.56	17.56	1.79,1.79
20	187.8	177.8	169.0	177.2	187.4	179.2	171.9	179.1	10- 20	51.26	68.81	7.03,7.03
30	189.0	169.2	152.8	169.9	190.4	172.6	160.7	172.1	20- 30	81.01	149.8	15.3,15.3
40	185.1	160.8	131.3	162.5	186.8	167.0	138.7	165.8	30- 40	105.3	255.1	26.1,26.1
50	175.7	146.7	105.4	148.7	176.0	158.1	120.0	154.1	40- 50	120.4	375.5	38.4,38.4
60	161.0	128.2	75.79	129.5	161.4	137.8	85.97	143.4	50- 60	124.0	499.4	51,51
70	144.2	107.2	44.55	109.2	145.9	120.5	60.43	123.8	60- 70	117.3	616.7	63,63
80	125.1	86.46	16.14	89.77	127.8	97.12	34.71	97.43	70- 80	102.4	719.2	73.5,73.5
90	109.2	69.90	2.408	73.39	112.1	80.60	5.411	80.98	80- 90	83.23	802.4	82,82
100	93.30	52.20	2.457	57.61	97.42	63.89	15.58	63.93	90-100	68.61	871.0	89,89
110	58.34	21.25	2.561	25.59	64.90	33.29	15.87	33.16	100-110	46.66	917.7	93.8,93.8
120	27.84	17.19	2.738	18.57	31.17	24.28	13.92	24.56	110-120	23.89	941.5	96.2,96.2
130	32.33	12.43	2.846	13.01	34.20	18.24	11.57	18.43	120-130	16.75	958.3	97.9,97.9
140	19.72	7.694	2.984	7.906	21.52	11.41	9.205	11.62	130-140	11.24	969.5	99.1,99.1
150	8.852	3.478	3.102	3.289	10.41	5.547	7.123	5.613	140-150	5.432	975.0	99.6,99.6
160	3.555	3.709	3.269	3.459	3.747	4.245	5.231	4.318	150-160	2.207	977.2	99.8,99.8
170	3.924	4.186	3.596	3.863	3.851	3.701	3.785	3.956	160-170	1.110	978.3	100,100
180	3.851	3.705	3.820	3.975	3.867	3.728	3.840	3.963	170-180	0.3677	978.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

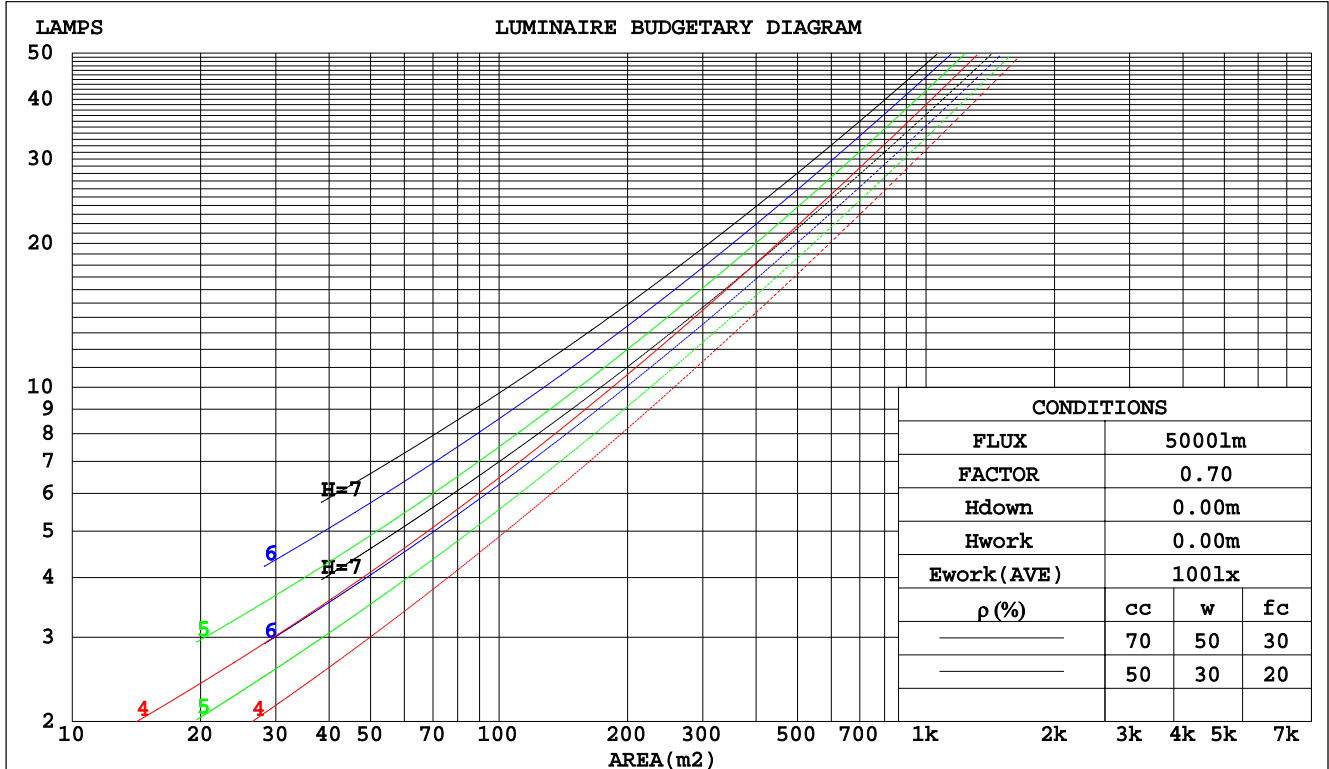
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.95	.89	.84	.91	.85	.81	.83	.79	.75	.76	.73	.69	.69	.67	.64	.61
2.0	.80	.72	.65	.77	.70	.63	.70	.64	.59	.64	.59	.55	.59	.55	.51	.48
3.0	.69	.60	.53	.66	.58	.51	.61	.54	.48	.56	.50	.45	.51	.46	.42	.39
4.0	.61	.51	.44	.58	.49	.42	.53	.46	.40	.49	.42	.37	.45	.39	.35	.32
5.0	.54	.44	.37	.52	.43	.36	.47	.40	.34	.43	.37	.32	.40	.34	.30	.27
6.0	.48	.38	.32	.46	.37	.31	.42	.35	.29	.39	.32	.27	.36	.30	.26	.23
7.0	.43	.34	.28	.42	.33	.27	.38	.31	.25	.35	.29	.24	.32	.27	.23	.20
8.0	.39	.30	.24	.38	.29	.24	.35	.28	.22	.32	.26	.21	.30	.24	.20	.18
9.0	.36	.27	.22	.34	.26	.21	.32	.25	.20	.30	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.19	.32	.24	.19	.29	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.651x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: EVERFINE		SUR.:		PROTECTION ANGLE:	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.404	.229	.073	.391	.223	.071	.367	.210	.067	.345	.199	.064	.325	.188	.061	
2.0	.346	.190	.058	.334	.184	.057	.313	.174	.054	.293	.164	.051	.274	.155	.049	
3.0	.305	.162	.049	.295	.158	.048	.275	.149	.045	.257	.141	.043	.240	.133	.041	
4.0	.274	.142	.042	.264	.138	.041	.246	.131	.039	.230	.123	.037	.215	.117	.036	
5.0	.248	.126	.037	.239	.123	.036	.223	.116	.034	.208	.110	.033	.194	.104	.031	
6.0	.227	.114	.033	.219	.111	.032	.204	.105	.030	.190	.099	.029	.177	.093	.028	
7.0	.208	.103	.029	.201	.100	.029	.188	.095	.027	.175	.090	.026	.164	.085	.025	
8.0	.193	.094	.027	.187	.092	.026	.174	.087	.025	.163	.082	.024	.152	.078	.023	
9.0	.180	.087	.024	.174	.085	.024	.162	.080	.023	.152	.076	.022	.142	.072	.021	
10.0	.168	.080	.022	.162	.078	.022	.152	.074	.021	.142	.071	.020	.133	.067	.019	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.328	.328	.328	.280	.280	.280	.191	.191	.191	.110	.110	.110	.035	.035	.035	
1.0	.325	.294	.265	.278	.252	.228	.190	.173	.158	.110	.100	.092	.035	.032	.030	
2.0	.319	.271	.231	.273	.233	.199	.187	.161	.139	.108	.094	.082	.035	.030	.027	
3.0	.311	.255	.209	.267	.220	.181	.183	.153	.127	.106	.089	.075	.034	.029	.025	
4.0	.304	.242	.195	.260	.209	.170	.179	.146	.119	.104	.085	.071	.033	.028	.023	
5.0	.296	.232	.186	.254	.201	.162	.175	.140	.114	.101	.082	.068	.033	.027	.022	
6.0	.288	.225	.179	.248	.194	.156	.171	.136	.110	.099	.080	.065	.032	.026	.022	
7.0	.281	.218	.174	.242	.189	.151	.167	.132	.107	.097	.078	.064	.031	.026	.021	
8.0	.274	.212	.170	.236	.184	.148	.163	.129	.105	.095	.076	.063	.031	.025	.021	
9.0	.268	.208	.167	.231	.180	.146	.160	.127	.103	.093	.075	.062	.030	.025	.020	
10.0	.262	.203	.165	.226	.177	.144	.157	.124	.102	.091	.073	.061	.030	.024	.020	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2016-12-22

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.651x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					SUR.:			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	16.0	17.4	16.5	17.9	18.5	13.0	14.4	13.5	14.9	15.5	
	3H	18.8	20.1	19.4	20.7	21.3	14.4	15.7	14.9	16.2	16.9
	4H	20.4	21.6	20.9	22.2	22.8	14.9	16.2	15.5	16.7	17.4
	6H	22.1	23.2	22.6	23.8	24.5	15.3	16.4	15.9	17.0	17.7
	8H	23.0	24.1	23.6	24.7	25.4	15.4	16.5	16.0	17.1	17.8
	12H	24.1	25.2	24.7	25.8	26.4	15.4	16.5	16.0	17.1	17.8
4H	2H	16.5	17.8	17.1	18.3	19.0	14.4	15.7	15.0	16.2	16.9
	3H	19.6	20.7	20.2	21.3	22.0	16.2	17.3	16.8	17.9	18.5
	4H	21.3	22.3	22.0	23.0	23.7	16.9	17.9	17.5	18.5	19.3
	6H	23.3	24.2	23.9	24.8	25.6	17.5	18.4	18.1	19.0	19.8
	8H	24.3	25.2	25.0	25.8	26.6	17.6	18.5	18.3	19.1	19.9
	12H	25.6	26.3	26.2	27.0	27.8	17.7	18.5	18.4	19.2	20.0
8H	4H	21.7	22.5	22.3	23.2	23.9	18.3	19.1	18.9	19.8	20.5
	6H	23.9	24.6	24.6	25.3	26.1	19.3	20.0	20.0	20.7	21.5
	8H	25.2	25.8	25.9	26.5	27.4	19.7	20.3	20.4	21.0	21.8
	12H	26.7	27.3	27.4	28.0	28.8	20.0	20.5	20.7	21.3	22.1
12H	4H	21.7	22.4	22.3	23.1	23.9	18.7	19.5	19.4	20.1	20.9
	6H	24.0	24.6	24.7	25.4	26.2	20.0	20.6	20.7	21.3	22.2
	8H	25.4	26.0	26.1	26.7	27.5	20.6	21.2	21.3	21.9	22.7
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	+ 0.2 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 978.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2016-12-22

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

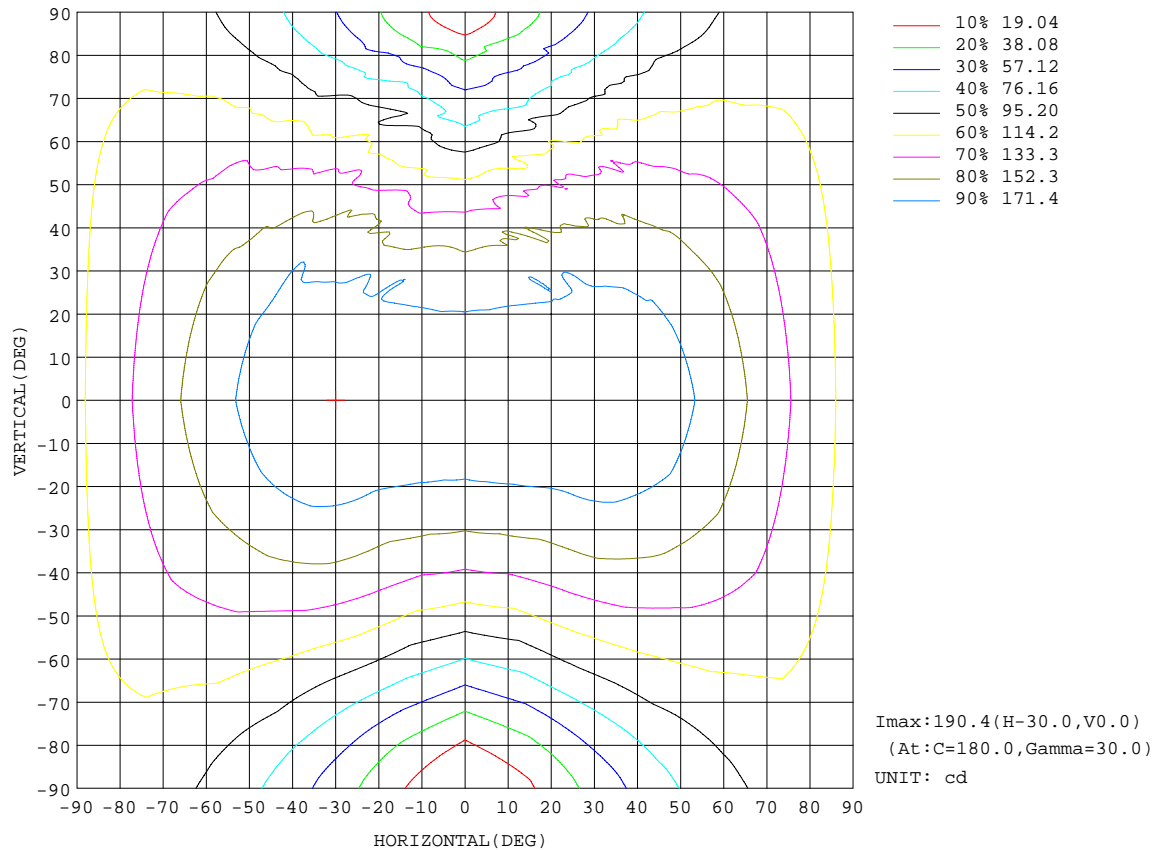
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	26	45	33	26	43	32	25	19
0.80	55	42	34	54	41	33	51	40	33	25
1.00	63	50	41	61	49	40	58	49	39	31
1.25	70	57	48	68	56	47	63	53	46	36
1.50	75	62	53	72	61	52	68	58	50	40
2.00	83	71	62	79	69	61	74	65	58	46
2.50	87	76	68	84	74	66	78	70	63	50
3.00	91	81	73	87	79	71	81	74	68	54
4.00	96	87	80	92	84	78	85	79	73	59
5.00	99	92	85	95	88	83	87	82	77	62
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

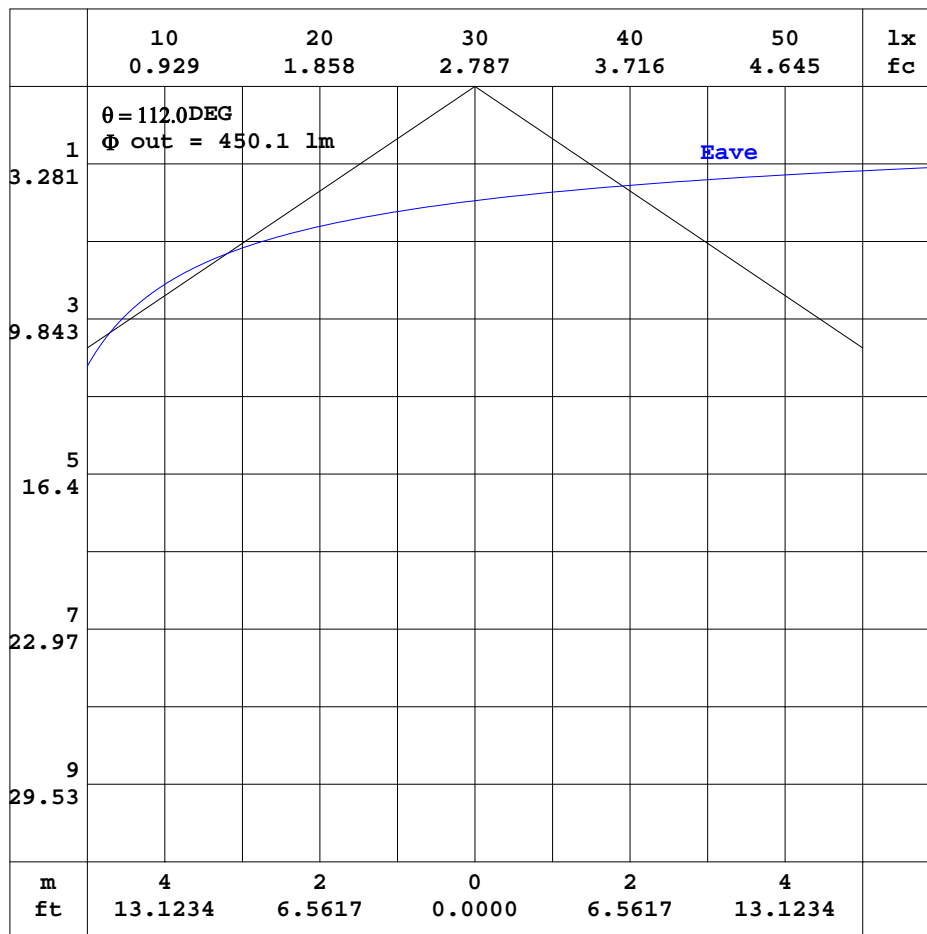


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## AAI CURVES

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



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

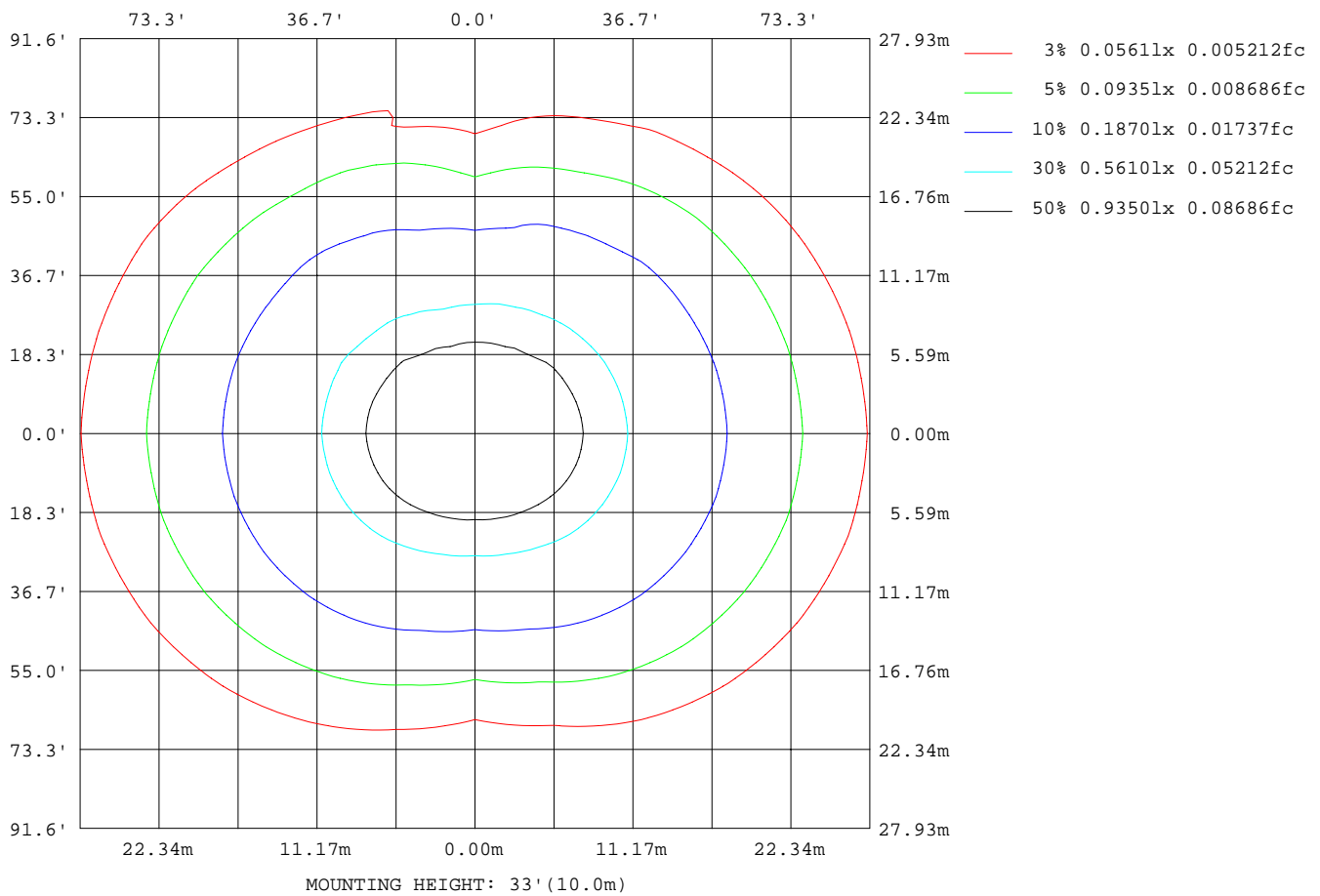
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.65lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

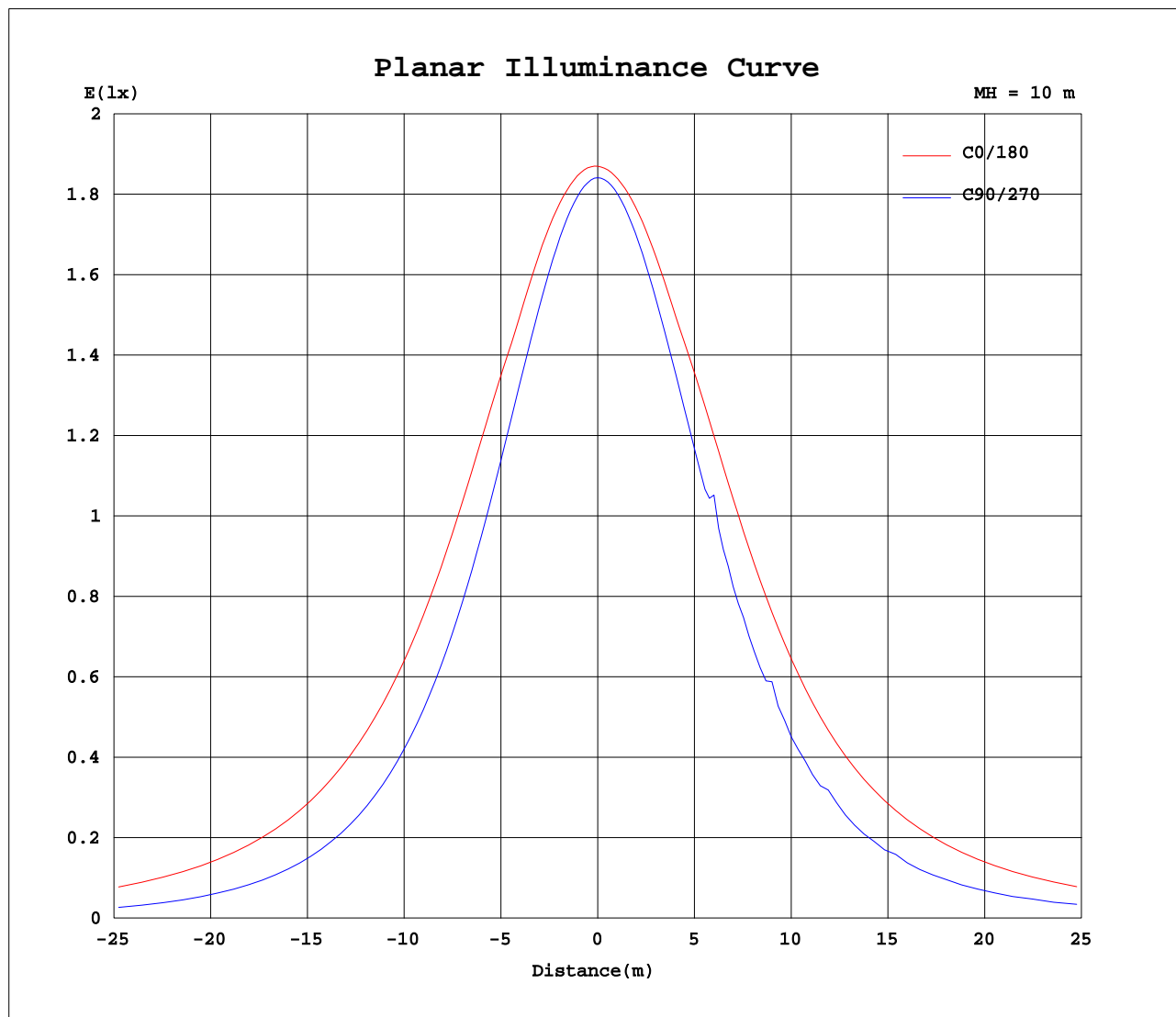
AvgL	cd/m2
L_0~180(65)av	3631
L_0~180(75)av	5251
L_0~180(85)av	13476
L_90~270(65)av	1560
L_90~270(75)av	1521
L_90~270(85)av	1359
L_45(65)av	2934
L_45(75)av	3970
L_45(85)av	9605

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: wxh  
Test Date: 2016-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.651x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	187	187	185	185	185	184	184	184	184	184	184	184	187	187	185	185	185	184	184
5	188	187	185	184	184	183	183	183	183	183	184	184	187	186	185	184	184	183	183
10	188	187	185	183	182	181	180	180	181	182	183	184	187	186	185	183	182	181	181
15	188	187	184	181	178	176	175	176	177	180	182	184	187	186	184	182	179	177	177
20	188	186	182	178	174	171	169	170	173	177	181	184	187	186	183	179	176	173	172
25	188	185	179	174	168	164	162	164	168	174	179	184	189	187	181	176	171	167	165
30	189	186	178	169	161	156	153	156	162	170	179	185	190	188	181	173	166	160	161
35	188	184	176	165	154	146	143	147	155	167	177	184	190	187	180	175	160	162	150
40	185	181	173	161	146	136	131	137	148	162	174	181	187	184	177	167	152	144	139
45	181	177	167	154	138	125	119	126	140	156	169	177	182	179	172	161	156	131	128
50	176	171	161	147	129	112	105	114	132	149	162	171	176	173	166	158	150	130	120
55	169	164	153	138	119	99.5	90.9	102	122	140	153	163	169	165	158	151	129	113	101
60	161	156	144	128	108	86.3	75.8	89.5	111	130	145	155	161	158	149	138	118	103	86.0
65	153	148	135	118	96.7	73.4	60.4	76.7	98.7	119	136	148	154	150	143	129	109	88.5	71.4
70	144	139	126	107	84.5	60.0	44.6	63.3	86.5	109	127	140	146	142	134	120	101	87.4	60.4
75	134	129	116	96.9	72.7	46.6	29.5	49.7	75.1	99.5	119	131	137	133	124	106	87.2	71.7	49.2
80	125	120	106	86.5	61.7	34.0	16.1	37.2	64.7	89.8	109	122	128	123	114	97.1	77.5	56.5	34.7
85	116	111	96.8	77.2	51.9	23.7	6.54	27.2	55.2	80.5	100	113	119	115	105	88.0	65.0	38.2	17.2
90	109	104	90.0	69.9	44.5	16.8	2.41	20.3	48.0	73.4	93.1	106	112	108	97.8	80.6	57.5	29.5	5.41
95	102	97.1	83.2	63.2	38.2	12.5	2.44	15.7	42.1	67.5	87.0	99.9	106	101	91.5	74.6	52.1	26.6	9.65
100	93.3	88.1	73.1	52.2	27.4	8.02	2.46	10.3	31.5	57.6	78.1	91.9	97.4	92.5	82.6	63.9	41.7	22.7	15.6
105	78.3	73.2	57.3	36.2	15.0	4.70	2.48	5.67	18.2	42.0	62.7	77.7	83.6	78.6	68.1	48.8	29.2	18.2	16.4
110	58.3	53.5	38.1	21.3	10.7	3.68	2.56	4.28	11.8	25.6	44.2	58.9	64.9	60.3	50.5	33.3	22.5	16.0	15.9
115	39.3	35.2	23.3	15.7	8.73	3.24	2.65	3.55	9.41	16.8	27.6	41.3	46.9	42.4	34.0	25.0	19.0	14.8	15.0
120	27.8	24.9	20.7	17.2	7.80	2.98	2.74	3.03	8.16	18.6	22.2	28.5	31.2	28.4	26.3	24.3	17.6	13.5	13.9
125	31.7	29.7	24.4	14.8	6.78	3.01	2.81	2.80	7.22	15.5	27.0	31.6	28.5	29.9	29.6	21.2	15.7	12.3	12.7
130	32.3	28.7	20.8	12.4	5.80	3.10	2.85	2.84	6.11	13.0	22.6	32.1	34.2	31.1	25.0	18.2	13.2	11.1	11.6
135	26.3	23.2	16.5	10.0	4.57	3.20	2.92	2.93	4.65	10.5	17.9	25.4	28.2	24.7	20.1	14.7	10.4	9.99	10.3
140	19.7	17.2	12.3	7.69	3.26	3.31	2.98	3.02	3.09	7.91	13.8	19.0	21.5	18.9	15.8	11.4	8.14	8.87	9.21
145	13.6	12.1	8.77	5.37	3.28	3.37	3.08	3.14	3.06	5.36	9.76	13.7	15.8	13.9	11.3	8.11	7.27	7.85	8.06
150	8.85	8.22	5.72	3.48	3.43	3.44	3.10	3.20	3.17	3.29	6.07	8.99	10.4	9.27	7.54	5.55	6.45	6.91	7.12
155	3.91	4.23	3.68	3.56	3.61	3.52	3.15	3.23	3.31	3.37	3.51	4.07	6.03	4.16	4.24	4.82	5.54	5.94	6.13
160	3.55	4.16	3.85	3.71	3.69	3.55	3.27	3.30	3.44	3.46	3.68	3.99	3.75	3.67	3.90	4.24	4.84	4.98	5.23
165	3.73	4.29	4.19	3.92	3.70	3.46	3.35	3.35	3.49	3.66	3.92	4.10	3.79	3.66	3.80	4.02	4.10	4.18	4.29
170	3.92	4.39	4.29	4.19	3.90	3.68	3.60	3.59	3.67	3.86	4.10	4.25	3.85	3.72	3.67	3.70	3.68	3.79	3.78
175	4.04	4.24	4.28	4.22	4.13	4.04	3.98	3.96	4.00	4.06	4.16	3.96	3.79	3.56	3.63	3.54	3.50	3.45	3.47
180	3.85	3.77	3.70	3.70	3.70	3.74	3.82	3.86	3.89	3.97	3.88	3.72	3.87	3.78	3.75	3.73	3.72	3.77	3.84

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: wxh  
Test Date: 2016-12-22

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1628A P:19.24W PF:0.9804 Lamp Flux:978.651x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	184	184	184	184	184														
5	183	184	184	184	184														
10	181	182	183	184	185														
15	178	180	181	183	185														
20	173	176	179	182	184														
25	167	171	176	180	184														
30	169	166	172	180	185														
35	159	160	170	179	184														
40	155	154	166	175	181														
45	135	151	160	170	177														
50	130	146	154	166	172														
55	109	135	148	158	165														
60	102	126	143	149	157														
65	90.2	112	130	140	149														
70	75.4	103	124	132	140														
75	66.7	90.9	108	122	130														
80	51.8	76.9	97.4	113	121														
85	42.1	67.5	89.2	104	112														
90	34.0	59.7	81.0	96.3	105														
95	30.2	53.9	74.5	89.8	98.6														
100	25.2	43.6	63.9	80.3	89.6														
105	20.2	31.1	48.7	65.9	75.4														
110	16.9	23.8	33.2	47.7	56.9														
115	15.2	20.4	25.1	32.2	38.7														
120	13.7	18.5	24.6	26.5	27.7														
125	12.1	16.0	21.7	29.0	30.4														
130	11.0	13.5	18.4	24.8	30.1														
135	9.84	10.9	14.8	19.7	24.4														
140	8.95	8.28	11.6	14.7	18.2														
145	7.85	7.00	8.69	10.9	12.7														
150	6.93	6.16	5.61	7.26	8.54														
155	6.05	5.66	4.70	4.23	4.20														
160	5.19	4.92	4.32	3.92	3.68														
165	4.31	4.32	4.16	3.91	3.73														
170	3.81	3.93	3.96	3.85	3.82														
175	3.49	3.56	3.65	3.72	3.82														
180	3.86	3.89	3.96	3.88	3.72														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2016-12-22

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks: