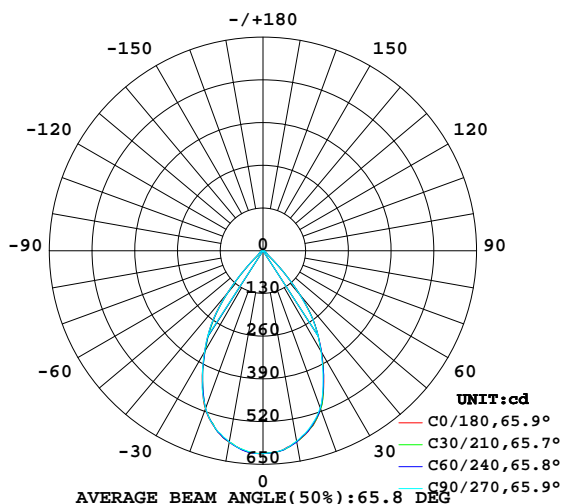


## LUMINAIRE PHOTOMETRIC TEST REPORT

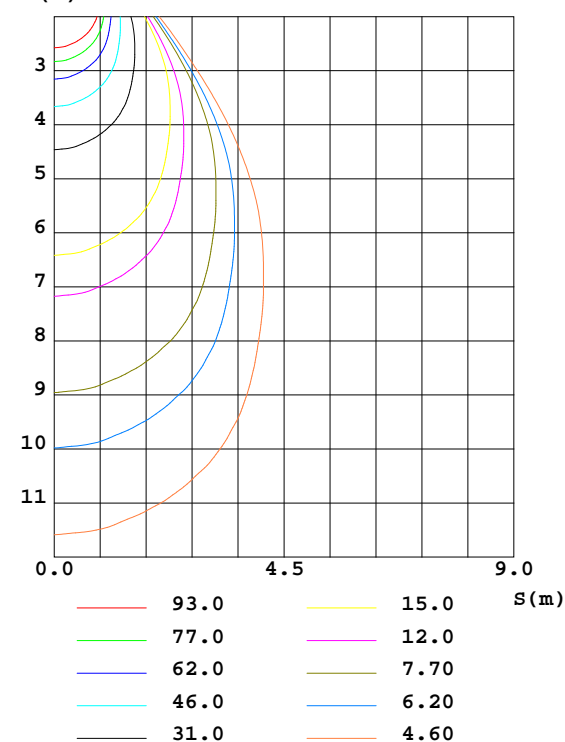
Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.72 lm/W			
MODEL	TL02-8W-930-S-60	Imax(cd)	618.9	S/MH(C0/180)	0.97
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.97
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	688.56	η UP,DN(C0-180)	1.1,48.9
NOMINAL FLUX(lm)	688.563	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,48.7
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	226.5	η down(%)	97.6	CIBSE SHR MAX	1.05

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:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	589.9	591.9	588.4	589.5	591.6	591.4	591.1	590.0	0- 10	57.68	57.68	8.38,8.38
20	511.5	517.6	508.5	510.4	512.4	507.3	510.6	512.6	10- 20	156.6	214.2	31.1,31.1
30	356.8	358.2	354.0	354.9	356.6	349.8	356.9	358.6	20- 30	199.6	413.9	60.1,60.1
40	177.1	178.9	172.7	173.8	172.0	161.1	169.5	176.5	30- 40	168.1	582.0	84.5,84.5
50	19.74	19.87	19.23	18.96	19.27	20.14	20.22	18.82	40- 50	57.97	640.0	92.9,92.9
60	11.80	11.76	11.32	11.47	11.70	11.81	11.80	11.45	50- 60	13.01	653.0	94.8,94.8
70	7.930	7.916	7.510	7.626	7.764	7.641	7.740	7.794	60- 70	9.452	662.4	96.2,96.2
80	4.769	4.723	4.470	4.421	4.552	4.377	4.567	4.721	70- 80	6.460	668.9	97.1,97.1
90	1.071	1.040	1.074	1.045	1.220	1.214	1.229	1.222	80- 90	3.425	672.3	97.6,97.6
100	1.245	1.241	1.254	1.260	1.472	1.450	1.476	1.446	90-100	1.344	673.6	97.8,97.8
110	1.600	1.612	1.613	1.631	1.874	1.854	1.863	1.861	100-110	1.621	675.3	98.1,98.1
120	2.153	2.152	2.156	2.179	2.423	2.408	2.409	2.384	110-120	1.981	677.2	98.4,98.4
130	2.844	2.848	2.855	2.868	3.085	3.071	3.067	3.046	120-130	2.340	679.6	98.7,98.7
140	3.611	3.610	3.608	3.626	3.776	3.756	3.757	3.737	130-140	2.570	682.2	99.1,99.1
150	4.181	4.189	4.182	4.195	4.294	4.284	4.272	4.252	140-150	2.495	684.7	99.4,99.4
160	4.627	4.628	4.607	4.631	4.719	4.700	4.689	4.670	150-160	2.053	686.7	99.7,99.7
170	4.999	5.004	4.989	5.006	5.056	5.036	5.036	5.025	160-170	1.368	688.1	99.9,99.9
180	5.263	5.251	5.246	5.251	5.261	5.254	5.248	5.253	170-180	0.4886	688.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

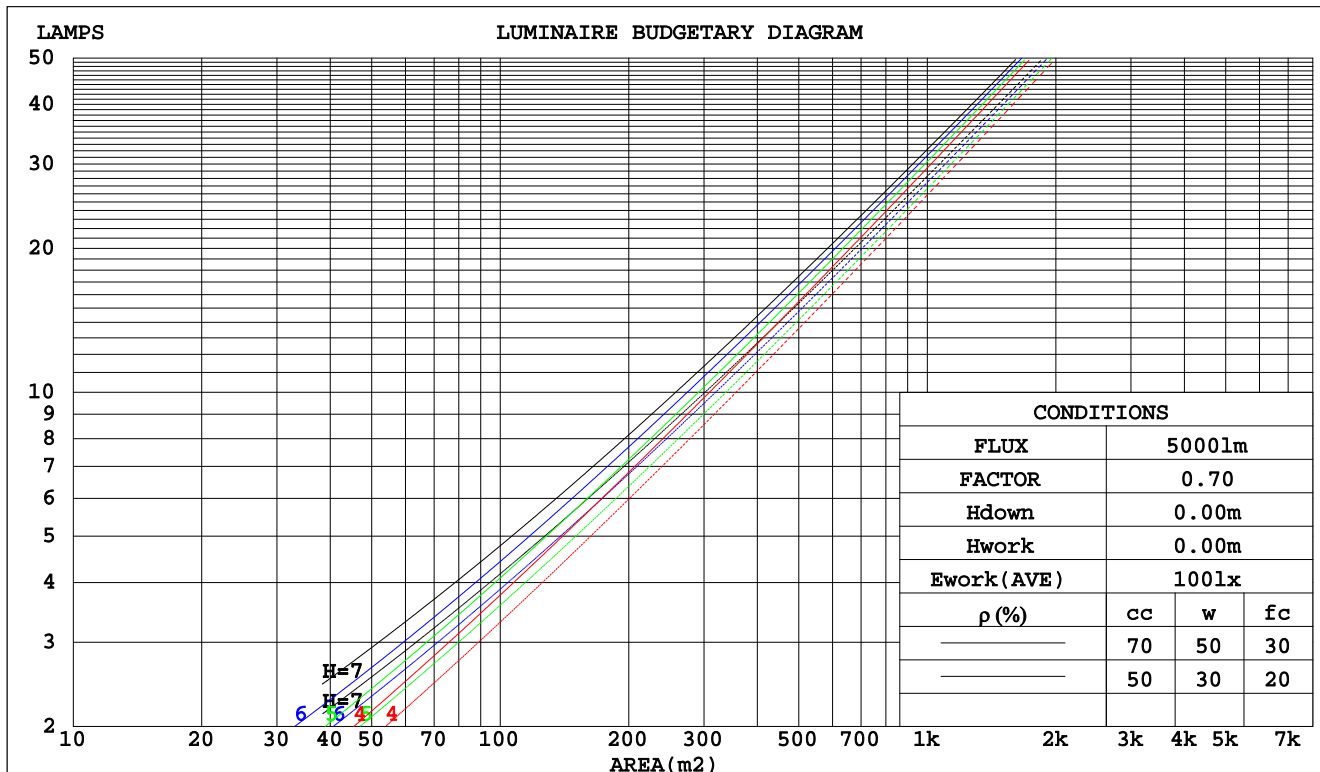
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	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	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.96	.95	.94	.93	.92	.90
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.91	.89	.86	.88	.86	.84	.82
3.0	.93	.87	.83	.91	.86	.82	.88	.84	.80	.85	.82	.79	.83	.80	.77	.76
4.0	.86	.80	.75	.85	.79	.75	.82	.77	.74	.80	.76	.72	.78	.74	.71	.70
5.0	.80	.74	.69	.79	.73	.68	.77	.71	.68	.75	.70	.67	.73	.69	.66	.64
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.65	.62	.68	.64	.61	.59
7.0	.69	.63	.58	.69	.63	.58	.67	.62	.58	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.59	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.49	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.46	.54	.49	.46	.45



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm					
NAME:		TYPE:		WEIGHT:	
DIM.:		SPEC.:		SERIAL No.:	
MFR.: Rayconn		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	.200	.114	.036	.192	.110	.035	.178	.102	.033	.166	.095	.031	.154	.089	.029	
2.0	.190	.104	.032	.184	.101	.031	.172	.095	.030	.161	.090	.028	.150	.085	.027	
3.0	.180	.096	.029	.175	.093	.028	.164	.089	.027	.155	.085	.026	.146	.081	.025	
4.0	.171	.089	.026	.166	.087	.026	.157	.083	.025	.148	.080	.024	.140	.076	.023	
5.0	.162	.083	.024	.158	.081	.024	.150	.078	.023	.142	.075	.022	.135	.072	.022	
6.0	.154	.077	.022	.150	.076	.022	.143	.073	.021	.136	.071	.021	.130	.069	.020	
7.0	.147	.073	.021	.143	.071	.020	.137	.069	.020	.131	.067	.020	.125	.065	.019	
8.0	.140	.068	.019	.137	.067	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	
9.0	.134	.065	.018	.131	.064	.018	.126	.062	.018	.121	.061	.017	.116	.059	.017	
10.0	.128	.061	.017	.125	.061	.017	.121	.059	.017	.116	.058	.016	.112	.056	.016	

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	.208	.208	.208	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.191	.175	.161	.163	.150	.139	.112	.103	.096	.064	.060	.056	.021	.019	.018	
2.0	.177	.151	.129	.152	.130	.111	.104	.090	.078	.060	.052	.045	.019	.017	.015	
3.0	.166	.132	.105	.142	.114	.091	.097	.079	.064	.056	.046	.038	.018	.015	.012	
4.0	.156	.118	.088	.134	.102	.077	.092	.071	.054	.053	.042	.032	.017	.014	.011	
5.0	.148	.106	.076	.127	.092	.066	.087	.064	.047	.051	.038	.028	.016	.012	.009	
6.0	.141	.097	.066	.121	.084	.058	.083	.059	.041	.048	.035	.024	.016	.011	.008	
7.0	.134	.090	.059	.116	.078	.051	.080	.055	.036	.046	.032	.022	.015	.011	.007	
8.0	.129	.084	.053	.111	.073	.046	.077	.051	.033	.045	.030	.020	.014	.010	.006	
9.0	.124	.079	.049	.107	.068	.042	.074	.048	.030	.043	.028	.018	.014	.009	.006	
10.0	.119	.075	.045	.103	.065	.039	.071	.046	.028	.042	.027	.017	.013	.009	.006	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm											
NAME:					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: Rayconn					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	2H	23.6	24.6	23.8	24.8	25.0	23.5	24.5	23.7	24.7	24.9
	3H	23.6	24.5	23.9	24.8	25.0	23.5	24.4	23.8	24.7	24.9
	4H	23.6	24.5	23.9	24.8	25.0	23.5	24.4	23.8	24.7	24.9
	6H	23.7	24.5	24.0	24.8	25.1	23.6	24.4	23.9	24.7	25.0
	8H	23.7	24.5	24.1	24.8	25.2	23.6	24.4	24.0	24.7	25.0
	12H	23.8	24.6	24.2	24.9	25.2	23.7	24.5	24.0	24.8	25.1
4H	2H	23.4	24.3	23.7	24.5	24.8	23.3	24.2	23.6	24.4	24.7
	3H	23.5	24.2	23.8	24.5	24.9	23.4	24.1	23.7	24.4	24.8
	4H	23.6	24.3	24.0	24.6	25.0	23.5	24.2	23.9	24.5	24.9
	6H	23.8	24.4	24.2	24.8	25.2	23.6	24.3	24.1	24.6	25.0
	8H	23.9	24.4	24.3	24.8	25.3	23.8	24.3	24.2	24.7	25.1
	12H	24.0	24.6	24.5	25.0	25.4	23.9	24.4	24.4	24.8	25.3
8H	4H	23.6	24.1	24.0	24.5	24.9	23.5	24.0	23.9	24.4	24.8
	6H	23.8	24.3	24.3	24.7	25.2	23.7	24.2	24.2	24.6	25.1
	8H	24.0	24.5	24.5	24.9	25.4	23.9	24.3	24.4	24.8	25.3
	12H	24.3	24.7	24.8	25.1	25.7	24.2	24.5	24.7	25.0	25.5
12H	4H	23.5	24.1	24.0	24.5	24.9	23.4	24.0	23.9	24.4	24.8
	6H	23.9	24.3	24.3	24.7	25.2	23.7	24.2	24.2	24.6	25.1
	8H	24.1	24.4	24.6	24.9	25.5	24.0	24.3	24.5	24.8	25.3
Variations with the observer position at spacings:											
S = 1.0H	+ 2.0 / - 3.7					+ 2.0 / - 3.8					
1.5H	+ 4.1 / - 3.7					+ 4.1 / - 3.8					
2.0H	+ 3.4 / - 0.8					+ 3.5 / - 0.8					

CIE Pub.117 Corrected 688.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.3)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

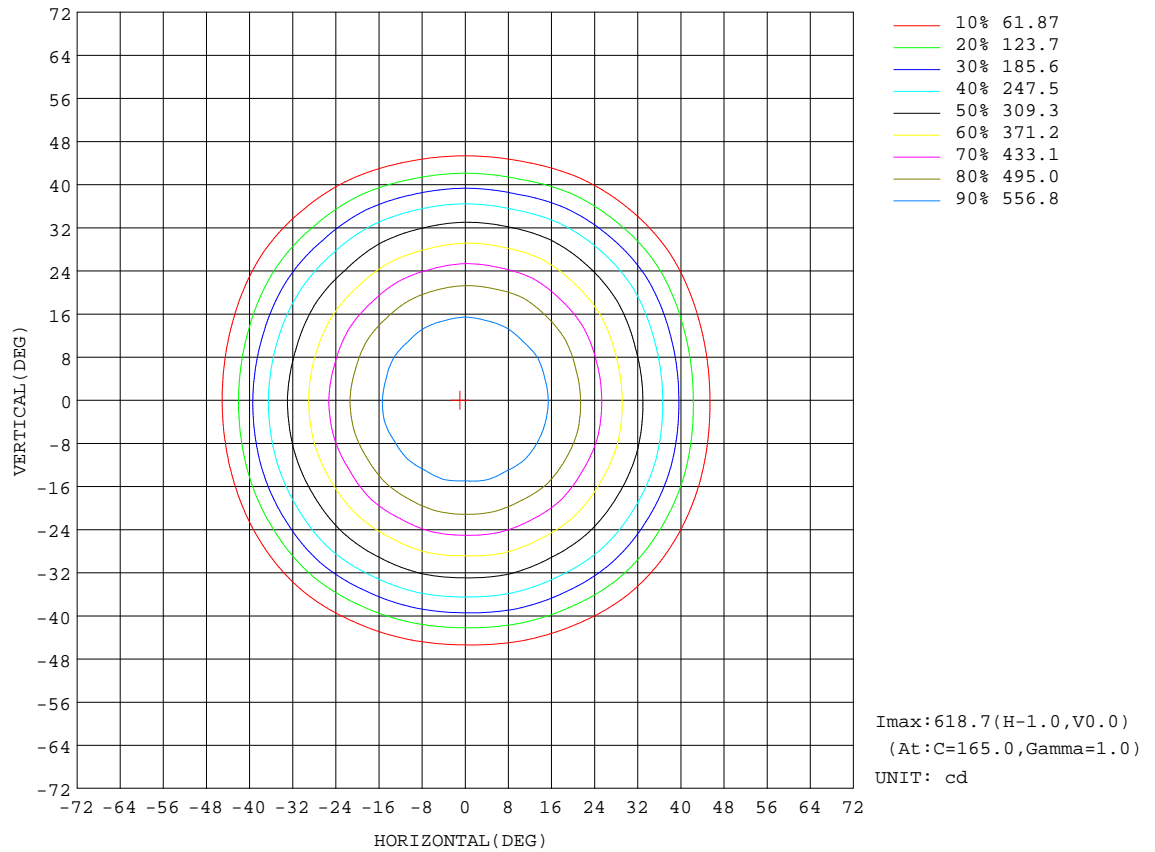
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	71	81	75	70	80	74	70	66
0.80	90	83	79	89	83	79	88	82	78	74
1.00	95	89	84	94	88	84	92	88	83	79
1.25	100	94	90	98	93	89	96	91	88	83
1.50	103	97	93	101	96	93	99	94	91	86
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	102	99	97	90
3.00	110	106	103	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	103	101	93
5.00	113	111	108	111	109	107	107	105	103	95
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:ZhangXiao  
Test Date:2015-12-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



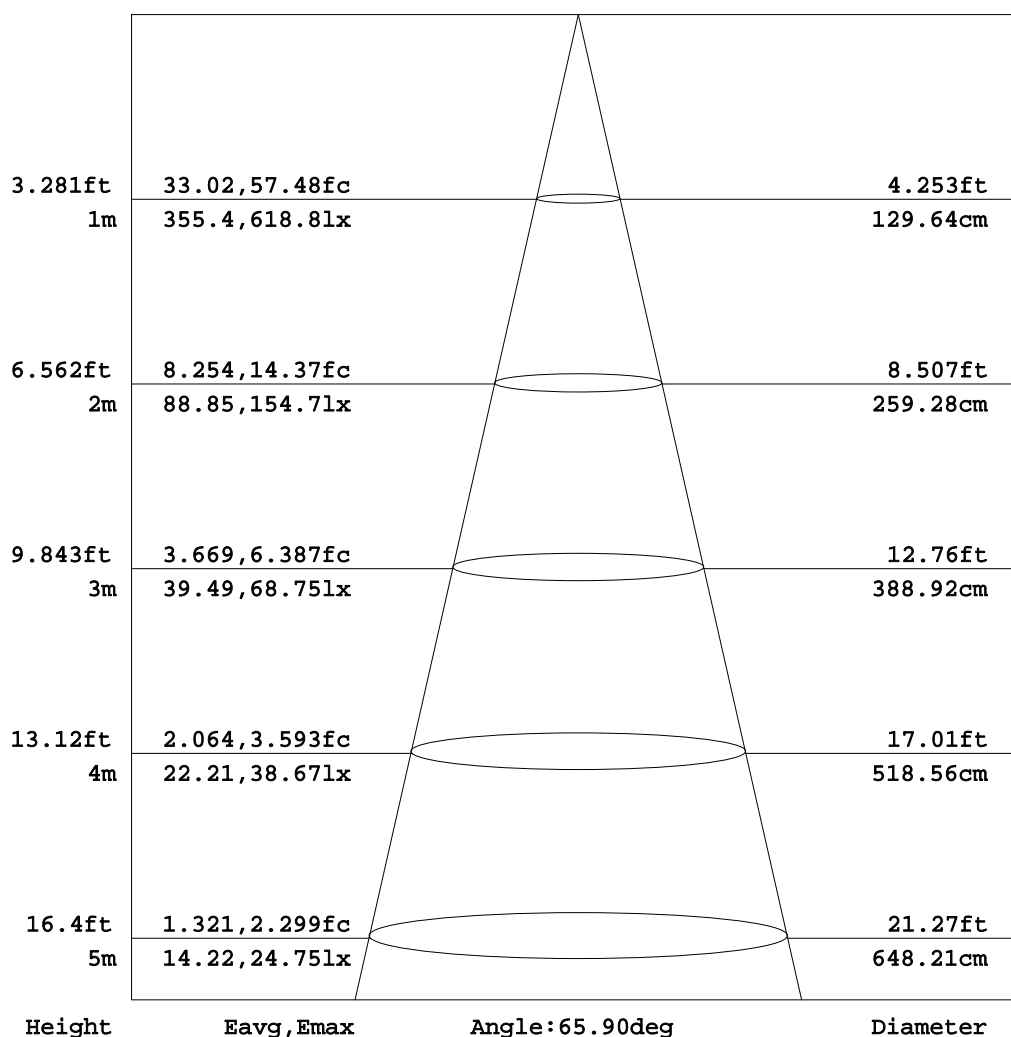
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:470.9 lm



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

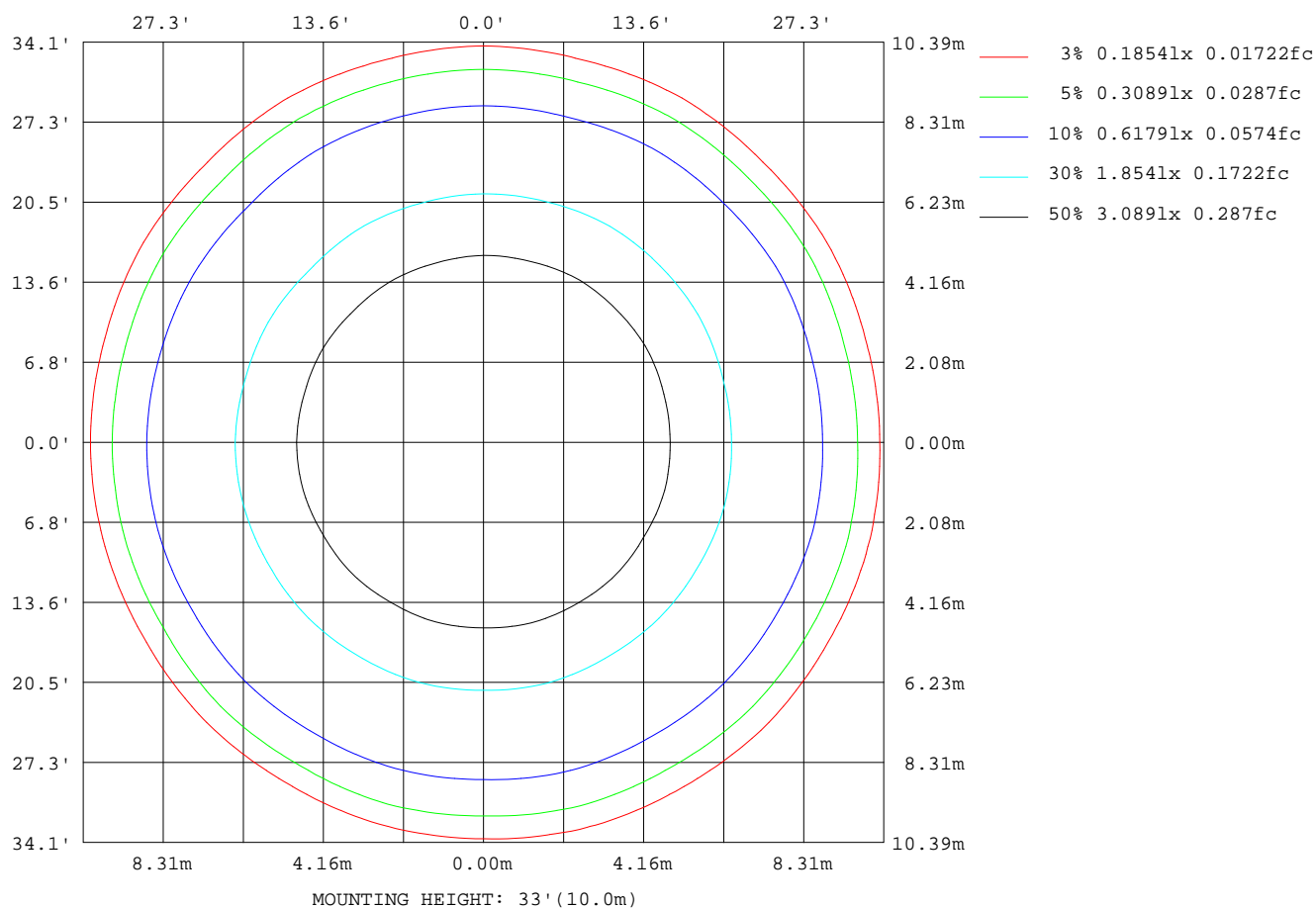
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

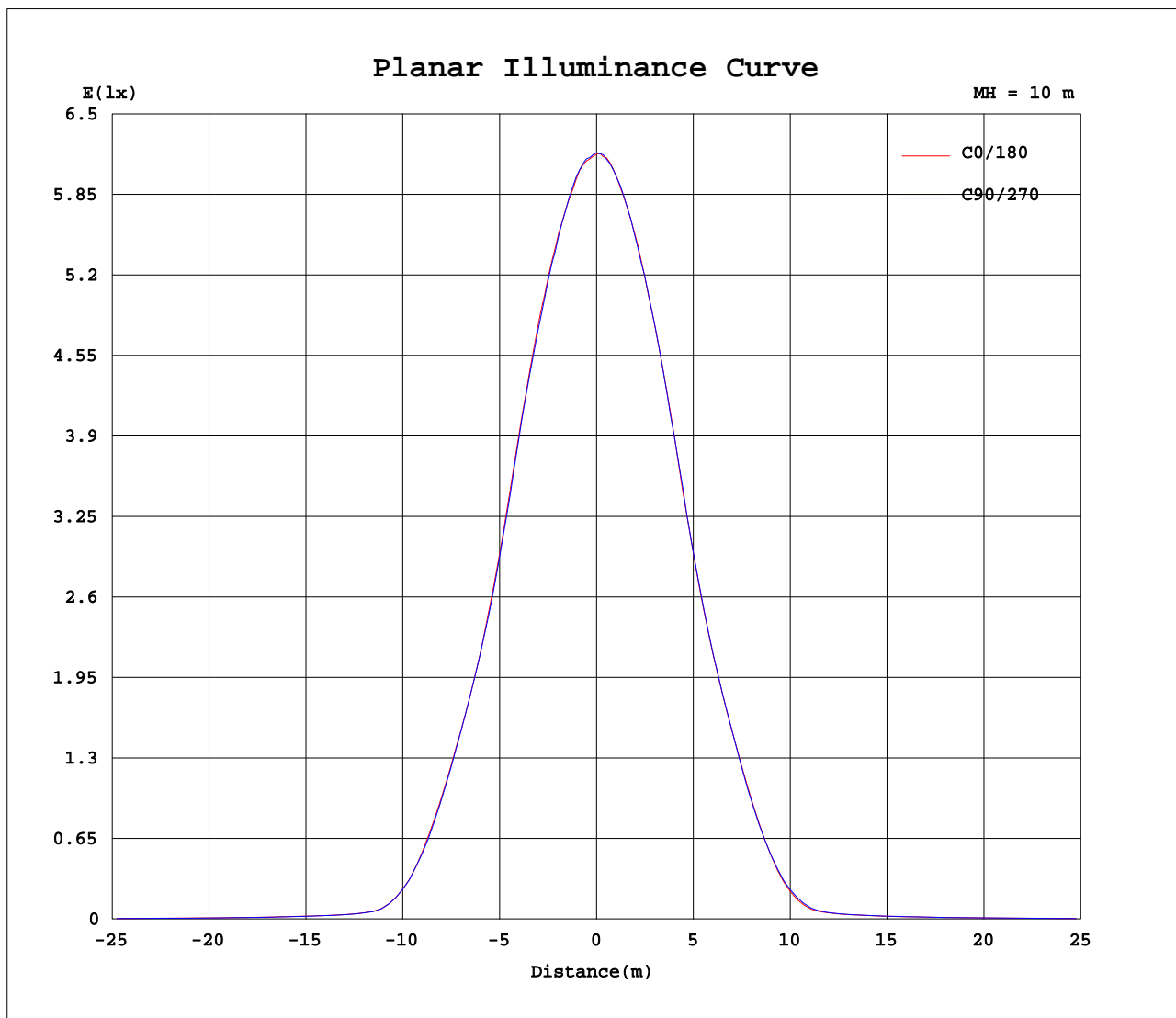
Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.590m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm																			
NAME:										TYPE:					WEIGHT:				
DIM.:										SPEC.:					SERIAL No.:				
MFR.: Rayconn										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	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618
5	611	611	611	612	612	613	610	611	613	612	610	611	612	611	611	611	613	612	610
10	590	591	590	592	591	590	588	588	590	590	591	591	592	591	591	591	591	592	591
15	559	559	559	561	558	560	555	559	558	558	559	562	559	558	561	558	560	559	559
20	512	515	513	518	510	513	508	510	510	510	509	511	512	509	511	507	511	510	511
25	438	440	436	440	436	437	433	435	433	435	433	437	438	434	435	431	435	434	438
30	357	360	355	358	357	361	354	357	353	355	353	357	357	353	352	350	354	354	357
35	276	279	276	279	276	279	275	278	275	277	274	276	276	271	270	266	273	273	276
40	177	181	177	179	176	178	173	174	171	174	172	174	172	167	166	161	169	168	170
45	68.5	72.1	72.2	73.4	71.1	72.5	68.3	68.1	64.8	64.7	62.0	61.7	63.4	62.9	64.8	63.2	66.6	66.4	67.0
50	19.7	19.8	19.7	19.9	19.8	20.1	19.2	18.9	18.6	19.0	19.1	19.4	19.3	19.2	20.0	20.1	20.3	19.8	20.2
55	14.4	14.5	14.3	14.3	14.1	14.1	13.9	13.8	13.7	13.9	14.0	14.2	14.2	14.2	14.5	14.5	14.6	14.3	14.5
60	11.8	11.9	11.8	11.8	11.6	11.5	11.3	11.4	11.3	11.5	11.5	11.7	11.7	11.7	11.9	11.8	11.8	11.7	11.8
65	9.72	9.85	9.75	9.69	9.49	9.44	9.26	9.35	9.31	9.42	9.44	9.57	9.57	9.50	9.59	9.53	9.62	9.49	9.61
70	7.93	8.03	7.96	7.92	7.76	7.65	7.51	7.55	7.57	7.63	7.67	7.73	7.76	7.69	7.73	7.64	7.69	7.62	7.74
75	6.31	6.38	6.31	6.30	6.10	6.09	5.93	5.97	5.89	5.98	5.97	6.06	6.12	6.06	6.07	5.96	6.00	6.00	6.10
80	4.77	4.79	4.70	4.72	4.61	4.71	4.47	4.42	4.38	4.42	4.40	4.57	4.55	4.45	4.44	4.38	4.42	4.50	4.57
85	3.47	3.48	3.42	3.45	3.38	3.47	3.28	3.22	3.13	3.15	3.15	3.31	3.35	3.30	3.25	3.18	3.17	3.27	3.34
90	1.07	1.04	1.04	1.04	1.04	1.11	1.07	1.05	1.06	1.05	1.06	1.10	1.22	1.22	1.21	1.21	1.21	1.27	1.23
95	1.12	1.12	1.10	1.12	1.10	1.15	1.14	1.13	1.12	1.13	1.12	1.16	1.33	1.30	1.32	1.30	1.32	1.33	1.33
100	1.24	1.24	1.22	1.24	1.23	1.26	1.25	1.26	1.26	1.26	1.26	1.27	1.47	1.45	1.46	1.45	1.46	1.46	1.48
105	1.40	1.40	1.39	1.41	1.40	1.42	1.41	1.42	1.41	1.42	1.42	1.44	1.65	1.64	1.65	1.63	1.65	1.64	1.65
110	1.60	1.61	1.60	1.61	1.60	1.62	1.61	1.63	1.63	1.63	1.63	1.64	1.87	1.86	1.86	1.85	1.87	1.86	1.86
115	1.86	1.86	1.85	1.87	1.86	1.87	1.86	1.88	1.88	1.88	1.89	1.89	2.13	2.12	2.13	2.11	2.12	2.12	2.12
120	2.15	2.16	2.15	2.15	2.15	2.17	2.16	2.17	2.17	2.18	2.18	2.19	2.42	2.41	2.41	2.41	2.41	2.40	2.41
125	2.49	2.48	2.48	2.48	2.48	2.50	2.49	2.51	2.51	2.51	2.51	2.52	2.74	2.73	2.73	2.72	2.73	2.72	2.73
130	2.84	2.85	2.84	2.85	2.84	2.86	2.86	2.86	2.87	2.87	2.88	2.88	3.08	3.08	3.07	3.07	3.07	3.07	3.07
135	3.23	3.23	3.23	3.24	3.23	3.25	3.24	3.25	3.26	3.25	3.27	3.27	3.44	3.42	3.42	3.42	3.42	3.42	3.42
140	3.61	3.60	3.60	3.61	3.61	3.62	3.61	3.63	3.63	3.63	3.64	3.64	3.78	3.76	3.76	3.76	3.76	3.76	3.76
145	3.93	3.94	3.92	3.94	3.94	3.95	3.94	3.95	3.95	3.95	3.95	3.97	4.06	4.05	4.05	4.05	4.05	4.05	4.05
150	4.18	4.19	4.17	4.19	4.18	4.20	4.18	4.20	4.20	4.19	4.22	4.21	4.29	4.28	4.28	4.28	4.28	4.28	4.27
155	4.40	4.40	4.40	4.41	4.39	4.42	4.39	4.41	4.41	4.41	4.41	4.43	4.50	4.49	4.50	4.49	4.50	4.49	4.48
160	4.63	4.63	4.61	4.63	4.62	4.63	4.61	4.63	4.63	4.63	4.64	4.64	4.72	4.69	4.70	4.70	4.70	4.69	4.69
165	4.81	4.82	4.81	4.82	4.80	4.82	4.80	4.82	4.82	4.83	4.82	4.83	4.89	4.88	4.88	4.88	4.89	4.88	4.87
170	5.00	5.00	4.99	5.00	5.00	5.01	4.99	5.01	5.01	5.01	5.01	5.02	5.06	5.04	5.05	5.04	5.05	5.04	5.04
175	5.15	5.16	5.14	5.16	5.15	5.16	5.14	5.17	5.16	5.16	5.16	5.17	5.19	5.17	5.18	5.16	5.18	5.17	5.17
180	5.26	5.26	5.25	5.25	5.26	5.26	5.25	5.26	5.26	5.25	5.26	5.26	5.26	5.25	5.25	5.25	5.26	5.26	5.25

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:688.563x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	618	618	618	618	618														
5	610	612	610	610	609														
10	592	593	590	593	589														
15	559	561	558	562	559														
20	511	517	513	515	511														
25	438	445	440	442	438														
30	357	364	359	362	356														
35	275	281	279	280	276														
40	168	177	176	182	178														
45	66.5	70.3	68.4	70.5	67.8														
50	20.1	19.6	18.8	19.4	19.6														
55	14.5	14.1	13.8	14.1	14.2														
60	11.7	11.6	11.5	11.6	11.7														
65	9.56	9.60	9.50	9.59	9.58														
70	7.75	7.87	7.79	7.87	7.90														
75	6.16	6.24	6.22	6.30	6.26														
80	4.63	4.74	4.72	4.80	4.92														
85	3.41	3.51	3.49	3.55	3.66														
90	1.22	1.22	1.22	1.23	1.30														
95	1.31	1.33	1.31	1.32	1.34														
100	1.45	1.47	1.45	1.47	1.46														
105	1.63	1.65	1.63	1.65	1.63														
110	1.86	1.87	1.86	1.86	1.85														
115	2.11	2.12	2.11	2.11	2.11														
120	2.39	2.41	2.38	2.40	2.39														
125	2.71	2.73	2.71	2.72	2.71														
130	3.06	3.07	3.05	3.06	3.05														
135	3.41	3.42	3.39	3.41	3.40														
140	3.75	3.76	3.74	3.75	3.73														
145	4.03	4.05	4.03	4.04	4.03														
150	4.29	4.29	4.25	4.28	4.27														
155	4.48	4.49	4.47	4.49	4.48														
160	4.68	4.70	4.67	4.70	4.68														
165	4.87	4.88	4.86	4.89	4.87														
170	5.03	5.05	5.02	5.05	5.04														
175	5.16	5.18	5.16	5.18	5.17														
180	5.26	5.27	5.25	5.26	5.27														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
γ Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks: