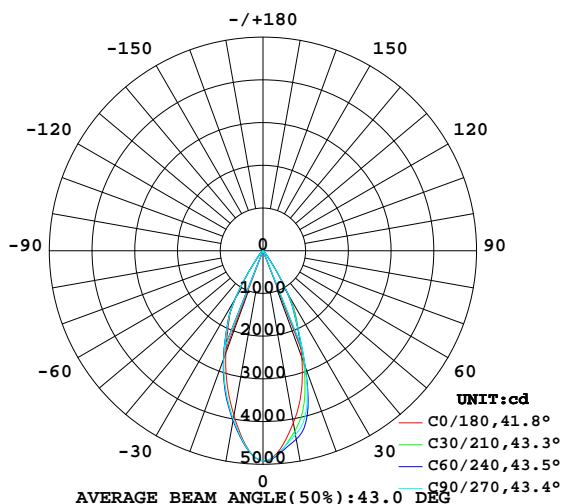


## LUMINAIRE PHOTOMETRIC TEST REPORT

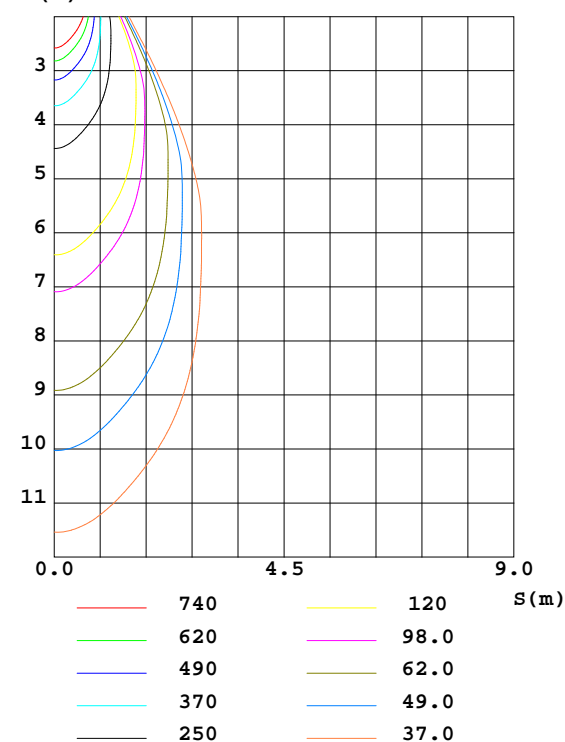
Test:U:226.5V I:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.35 lm/W			
MODEL	TL25-30W-830-W-45	Imax(cd)	4922	S/MH(C0/180)	0.68
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.70
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	2804.3	η UP,DN(C0-180)	1.3,48.9
NOMINAL FLUX(lm)	2804.32	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,48.5
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	226.5	η down(%)	97.4	CIBSE SHR MAX	0.75

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:2016-09-07

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	4096	4420	4378	4015	3919	4009	4008	3988	0- 10	424.9	424.9	15.2,15.2
20	2655	2903	2886	2669	2548	2680	2685	2670	10- 20	963.2	1388	49.5,49.5
30	1211	1197	1149	1317	1315	1295	1315	1263	20- 30	891.9	2280	81.3,81.3
40	150.1	142.6	133.2	171.9	198.1	168.8	174.6	164.9	30- 40	324.6	2605	92.9,92.9
50	39.98	38.76	37.86	44.91	51.55	43.26	44.16	42.20	40- 50	66.89	2671	95.3,95.3
60	19.69	19.75	19.41	20.31	20.67	19.81	20.09	19.80	50- 60	25.71	2697	96.2,96.2
70	12.13	12.08	11.88	12.24	12.18	12.05	12.17	12.08	60- 70	15.40	2713	96.7,96.7
80	7.981	7.866	7.856	7.842	8.217	8.116	8.210	8.159	70- 80	10.43	2723	97.1,97.1
90	5.844	5.312	5.313	5.358	6.586	6.228	6.258	6.251	80- 90	7.502	2730	97.4,97.4
100	5.422	5.270	5.271	5.191	6.815	6.635	6.665	6.707	90-100	6.414	2737	97.6,97.6
110	6.388	6.308	6.335	6.305	7.731	7.729	7.732	7.847	100-110	6.770	2744	97.8,97.8
120	8.952	8.910	8.960	8.872	9.997	10.10	10.10	10.13	110-120	8.081	2752	98.1,98.1
130	12.83	12.81	12.88	12.76	13.58	13.68	13.66	13.68	120-130	10.09	2762	98.5,98.5
140	17.21	17.18	17.20	17.21	17.62	17.65	17.63	17.76	130-140	11.84	2774	98.9,98.9
150	20.69	20.86	20.82	20.71	20.97	20.95	20.98	21.09	140-150	12.09	2786	99.3,99.3
160	22.14	22.17	22.24	22.18	22.29	22.38	22.46	22.46	150-160	10.05	2796	99.7,99.7
170	22.49	22.48	22.52	22.51	22.62	22.58	22.50	22.65	160-170	6.364	2802	99.9,99.9
180	23.03	23.05	23.05	22.97	23.04	23.05	23.05	22.97	170-180	2.164	2804	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

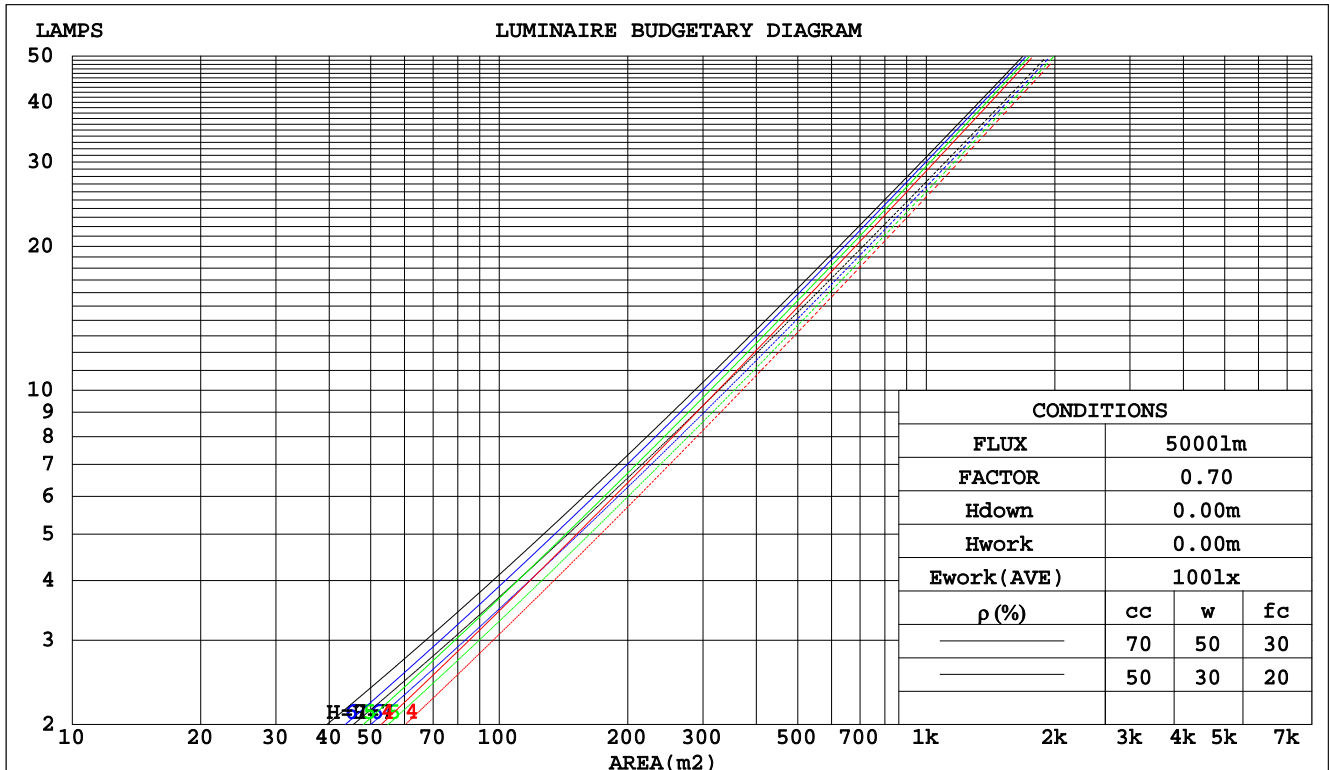
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:226.5V I:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 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			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.00	.96	1.01	.98	.95	.98	.95	.93	.95	.92	.90	.91	.90	.88	.86
3.0	.97	.93	.89	.96	.91	.88	.93	.89	.86	.90	.87	.85	.87	.85	.83	.81
4.0	.92	.86	.83	.90	.86	.82	.88	.84	.81	.86	.82	.80	.83	.81	.78	.77
5.0	.87	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.75	.80	.77	.74	.73
6.0	.82	.76	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.76	.73	.70	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.69	.67	.65
8.0	.74	.69	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
10.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.58	.56



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 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	.171	.097	.031	.164	.093	.030	.150	.086	.027	.137	.079	.025	.125	.072	.023	
2.0	.161	.088	.027	.155	.085	.026	.143	.079	.025	.132	.074	.023	.122	.069	.022	
3.0	.152	.081	.024	.146	.078	.024	.136	.074	.022	.127	.069	.021	.118	.065	.020	
4.0	.144	.075	.022	.139	.073	.021	.130	.069	.021	.122	.065	.020	.114	.062	.019	
5.0	.136	.069	.020	.132	.068	.020	.124	.065	.019	.117	.062	.018	.110	.059	.018	
6.0	.130	.065	.019	.126	.064	.018	.119	.061	.018	.113	.059	.017	.107	.056	.017	
7.0	.124	.061	.017	.120	.060	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016	
8.0	.118	.058	.016	.115	.057	.016	.110	.055	.016	.105	.053	.015	.100	.051	.015	
9.0	.113	.055	.015	.110	.054	.015	.106	.052	.015	.101	.051	.014	.096	.049	.014	
10.0	.108	.052	.014	.106	.051	.014	.102	.050	.014	.097	.048	.014	.093	.047	.013	

pcc	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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.191	.178	.166	.163	.152	.142	.112	.105	.099	.064	.061	.057	.021	.020	.019	
2.0	.175	.153	.134	.150	.132	.116	.103	.091	.081	.059	.053	.047	.019	.017	.015	
3.0	.162	.134	.111	.139	.116	.097	.095	.080	.068	.055	.047	.040	.018	.015	.013	
4.0	.151	.119	.095	.130	.103	.082	.089	.072	.058	.052	.042	.034	.017	.014	.011	
5.0	.142	.107	.082	.122	.093	.071	.084	.065	.050	.049	.038	.030	.016	.012	.010	
6.0	.134	.098	.072	.116	.085	.063	.080	.059	.044	.046	.035	.026	.015	.011	.009	
7.0	.128	.090	.064	.110	.078	.056	.076	.055	.040	.044	.032	.024	.014	.011	.008	
8.0	.122	.084	.058	.105	.073	.051	.073	.051	.036	.042	.030	.021	.014	.010	.007	
9.0	.117	.079	.053	.101	.068	.046	.070	.048	.033	.041	.028	.020	.013	.009	.007	
10.0	.112	.074	.049	.097	.065	.043	.067	.045	.031	.039	.027	.018	.013	.009	.006	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 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	16.8	17.7	17.1	17.9	18.1	16.4	17.3	16.7	17.5	17.7	
	3H	16.9	17.6	17.1	17.9	18.1	16.5	17.2	16.7	17.5	17.7
	4H	16.9	17.6	17.2	17.9	18.2	16.5	17.2	16.8	17.5	17.8
	6H	17.0	17.7	17.3	17.9	18.2	16.6	17.3	16.9	17.6	17.9
	8H	17.0	17.7	17.4	18.0	18.3	16.7	17.3	17.0	17.6	17.9
	12H	17.1	17.8	17.5	18.1	18.4	16.8	17.4	17.1	17.7	18.1
4H	2H	16.7	17.4	17.0	17.7	17.9	16.3	17.0	16.6	17.3	17.5
	3H	16.7	17.4	17.1	17.7	18.0	16.4	17.0	16.7	17.3	17.6
	4H	16.8	17.4	17.2	17.8	18.1	16.5	17.1	16.9	17.4	17.8
	6H	17.0	17.5	17.4	17.9	18.3	16.7	17.2	17.1	17.6	18.0
	8H	17.2	17.6	17.6	18.0	18.4	16.8	17.3	17.3	17.7	18.1
	12H	17.4	17.8	17.8	18.2	18.7	17.0	17.5	17.5	17.9	18.3
8H	4H	16.8	17.3	17.2	17.7	18.1	16.4	16.9	16.9	17.3	17.7
	6H	17.1	17.5	17.5	17.9	18.4	16.8	17.1	17.2	17.6	18.1
	8H	17.3	17.7	17.8	18.1	18.6	17.0	17.4	17.5	17.8	18.3
	12H	17.7	18.0	18.2	18.5	19.0	17.4	17.7	17.9	18.2	18.7
12H	4H	16.8	17.2	17.2	17.6	18.1	16.4	16.9	16.9	17.3	17.7
	6H	17.1	17.4	17.6	17.9	18.4	16.8	17.1	17.3	17.6	18.1
	8H	17.4	17.7	17.9	18.2	18.7	17.1	17.4	17.6	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.7 / - 1.6					+ 1.5 / - 1.4					
1.5H	+ 3.3 / - 1.4					+ 3.0 / - 1.2					
2.0H	+ 1.6 / - 0.5					+ 1.3 / - 0.5					

CIE Pub.117 Corrected 2804 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

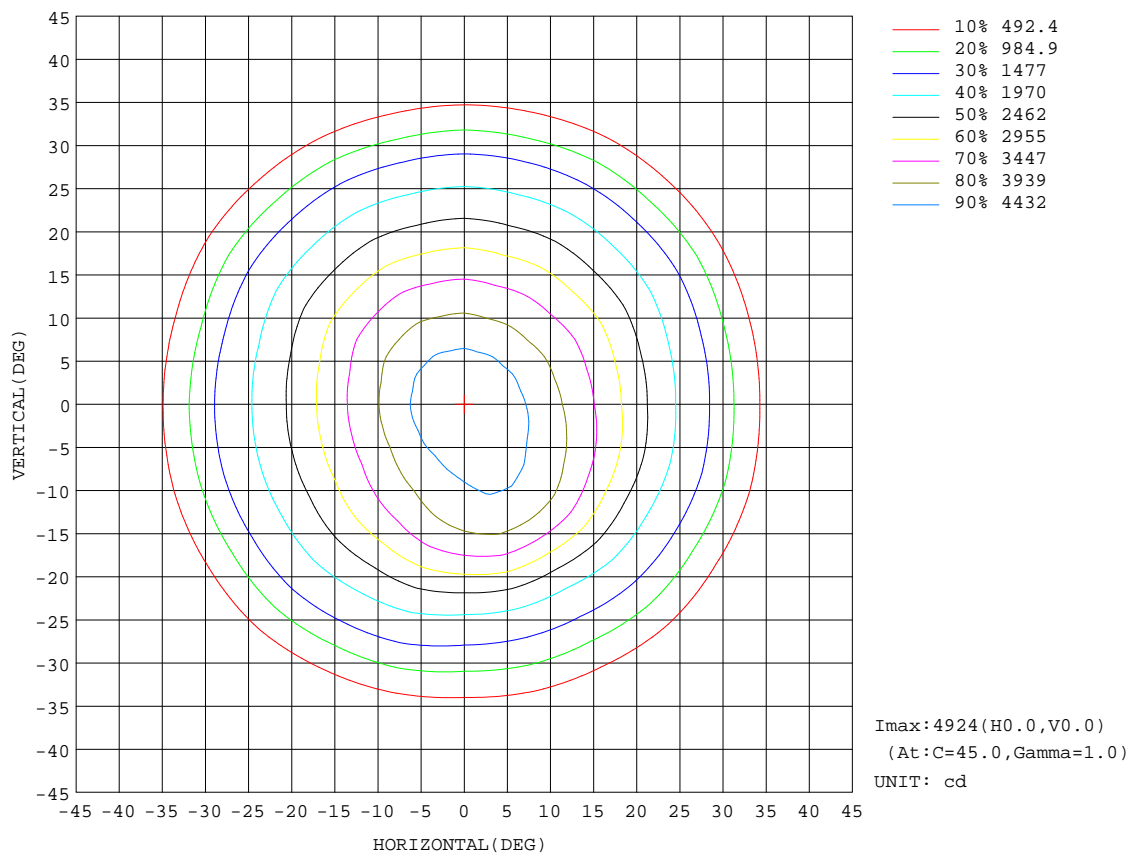
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	87	84	81
1.00	99	93	89	98	92	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	106	102	108	104	101	104	101	99	93
3.00	111	107	105	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	108	106	105	96
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:2016-09-07

$\gamma$  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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



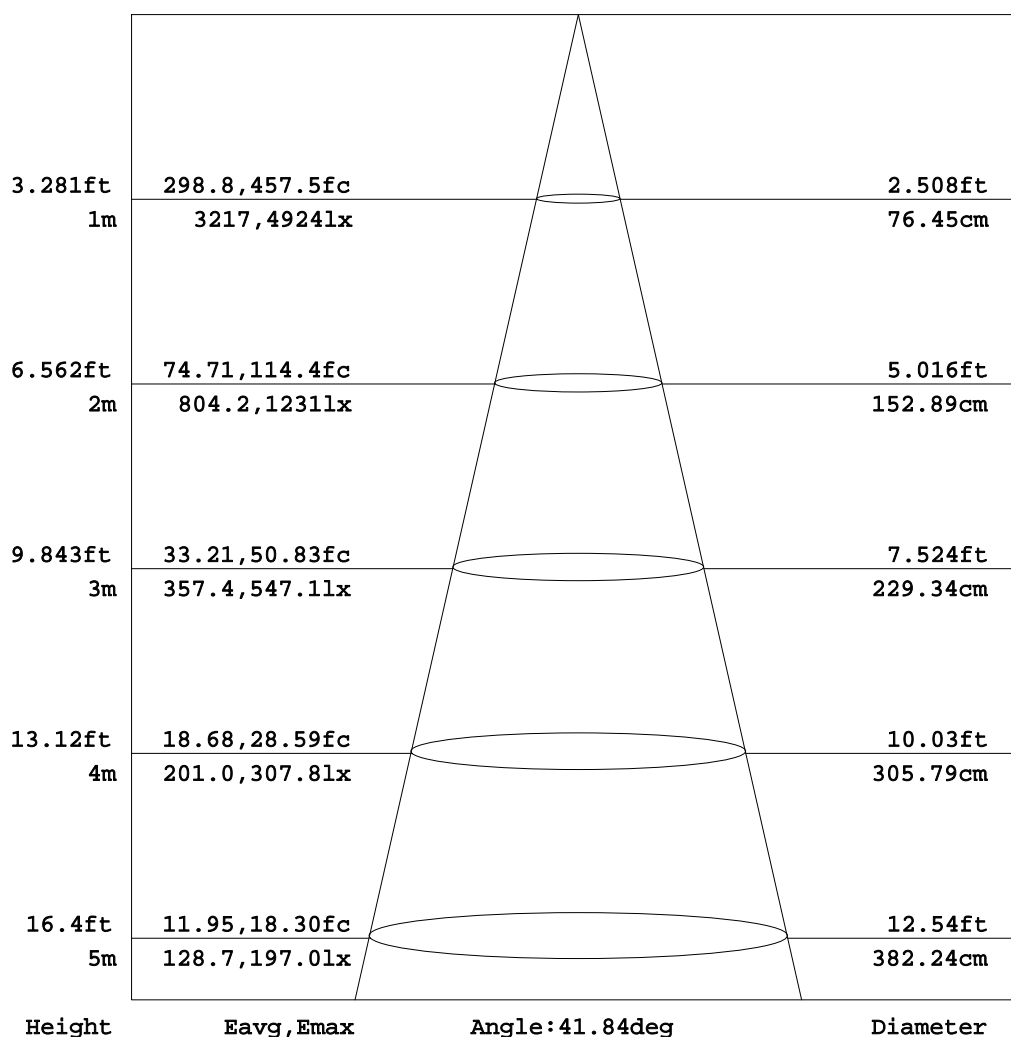
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-09-07

$\gamma$  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:

### AAI Figure

Test:U:226.5V I:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:1489 lm



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

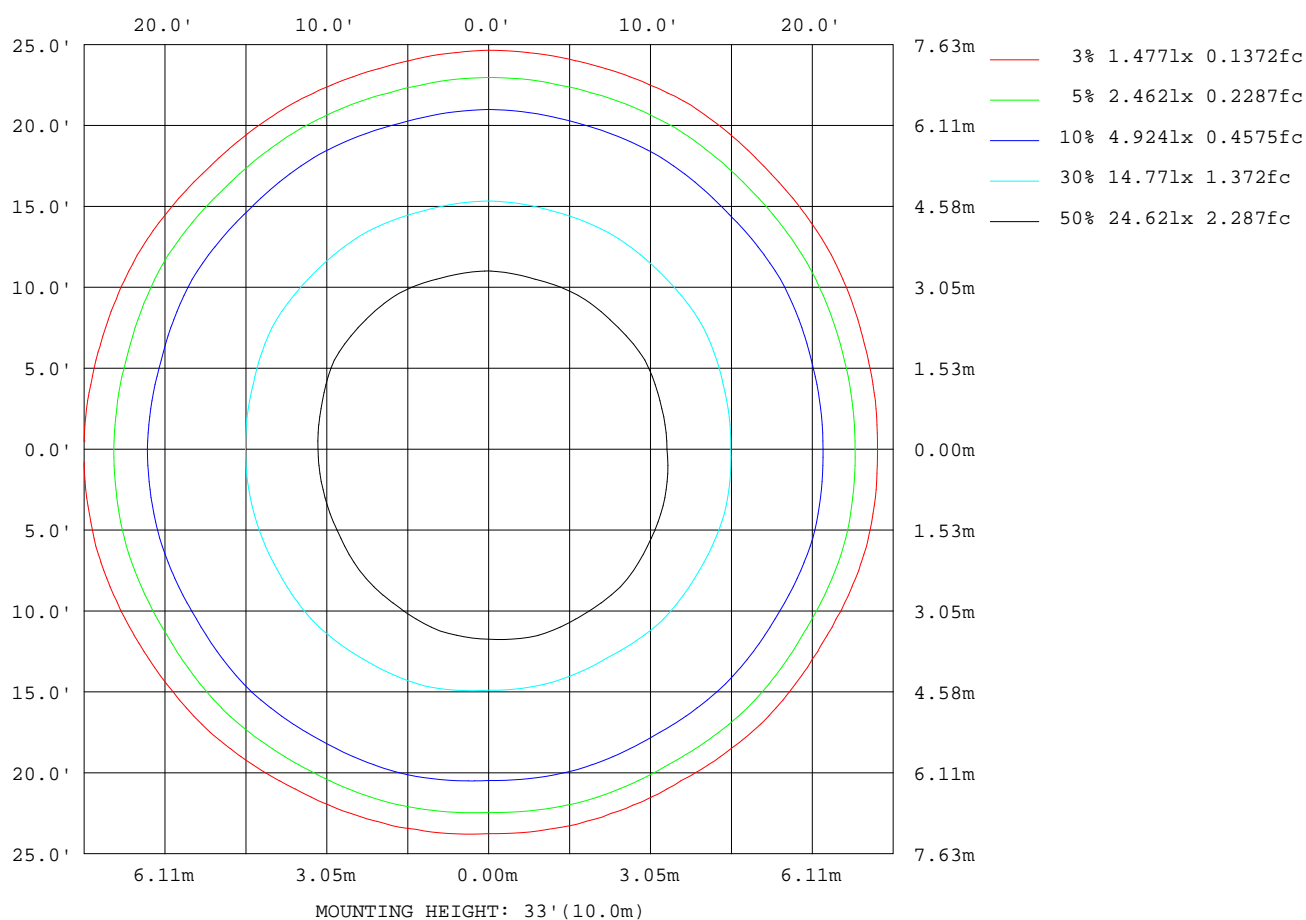
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-09-07

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

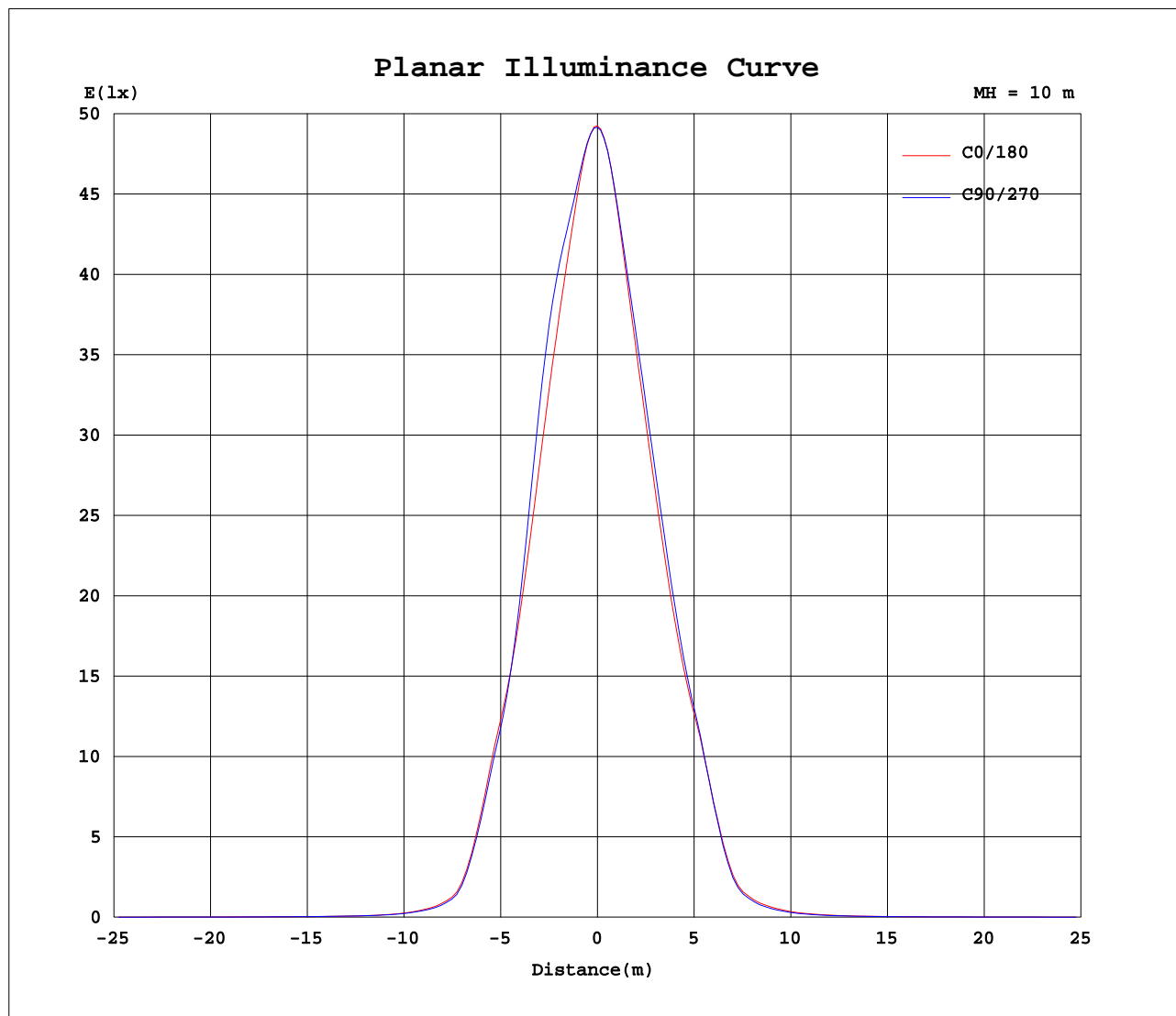
Test:U:226.5V I:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-09-07

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: 2016-09-07

$\gamma$  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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 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	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918	4918
5	4655	4700	4717	4750	4747	4743	4704	4676	4626	4608	4576	4584	4581	4570	4604	4594	4612	4589	4601
10	4096	4188	4292	4420	4483	4475	4378	4249	4108	4015	3935	3916	3919	3930	4007	4009	4038	4003	4008
15	3451	3577	3710	3913	3999	4034	3900	3740	3526	3403	3278	3247	3244	3283	3381	3395	3420	3377	3384
20	2655	2741	2783	2903	2893	2967	2886	2855	2717	2669	2574	2553	2548	2580	2686	2680	2713	2667	2685
25	1901	1936	1909	1921	1846	1872	1866	1950	1941	1963	1928	1929	1926	1934	2004	1992	2013	1981	1999
30	1211	1248	1188	1197	1137	1166	1149	1248	1255	1317	1275	1318	1315	1283	1337	1295	1319	1277	1315
35	394	412	378	391	361	379	364	402	409	454	447	484	479	463	481	443	447	429	450
40	150	153	140	143	131	137	133	149	154	172	182	197	198	189	181	169	168	168	175
45	73.9	72.6	70.1	68.3	66.1	66.0	67.1	71.2	75.5	84.4	90.5	99.4	100	93.8	89.3	81.8	82.2	80.8	84.6
50	40.0	40.1	39.0	38.8	37.7	38.0	37.9	39.6	41.3	44.9	47.8	51.6	51.6	48.4	46.2	43.3	43.0	42.7	44.2
55	26.7	27.0	26.7	26.8	26.4	26.4	26.2	26.7	27.1	28.3	29.4	30.7	30.4	29.1	28.5	27.5	27.5	27.4	27.9
60	19.7	20.0	19.7	19.8	19.5	19.6	19.4	19.7	19.7	20.3	20.6	21.2	20.7	20.3	20.3	19.8	19.9	19.8	20.1
65	15.3	15.5	15.3	15.2	15.0	15.1	15.0	15.2	15.3	15.7	15.7	16.0	15.5	15.4	15.5	15.3	15.3	15.2	15.4
70	12.1	12.3	12.1	12.1	12.0	12.0	11.9	12.0	12.0	12.2	12.3	12.5	12.2	12.1	12.2	12.1	12.1	12.1	12.2
75	9.68	9.84	9.67	9.70	9.62	9.67	9.59	9.71	9.66	9.81	9.81	9.94	9.94	9.86	9.88	9.85	9.91	9.86	9.93
80	7.98	8.01	7.90	7.87	7.84	7.88	7.86	7.86	7.82	7.84	7.83	7.88	8.22	8.12	8.13	8.12	8.20	8.21	8.21
85	6.88	6.70	6.56	6.56	6.53	6.51	6.49	6.54	6.50	6.54	6.43	6.44	7.28	7.08	7.07	7.07	7.13	7.10	7.12
90	5.84	5.53	5.36	5.31	5.39	5.29	5.31	5.37	5.38	5.36	5.25	5.19	6.59	6.29	6.22	6.23	6.32	6.25	6.26
95	5.60	5.41	5.25	5.23	5.28	5.23	5.25	5.22	5.26	5.16	5.15	5.11	6.77	6.54	6.42	6.41	6.45	6.43	6.44
100	5.42	5.32	5.29	5.27	5.29	5.28	5.27	5.26	5.30	5.19	5.16	5.15	6.81	6.68	6.63	6.64	6.65	6.66	6.67
105	5.66	5.61	5.62	5.61	5.63	5.61	5.62	5.60	5.67	5.55	5.55	5.53	7.11	7.07	7.03	7.05	7.04	7.07	7.06
110	6.39	6.33	6.35	6.31	6.35	6.31	6.34	6.30	6.35	6.30	6.33	6.27	7.73	7.74	7.70	7.73	7.69	7.74	7.73
115	7.50	7.43	7.48	7.41	7.47	7.41	7.45	7.40	7.46	7.41	7.46	7.37	8.69	8.72	8.67	8.72	8.69	8.75	8.73
120	8.95	8.89	8.97	8.91	8.99	8.91	8.96	8.88	8.94	8.87	8.92	8.82	10.00	10.1	10.0	10.1	10.1	10.2	10.1
125	10.7	10.7	10.8	10.7	10.8	10.7	10.8	10.7	10.8	10.7	10.7	10.6	11.6	11.7	11.7	11.8	11.8	11.8	11.8
130	12.8	12.8	12.9	12.8	12.9	12.8	12.9	12.8	12.9	12.8	12.8	12.8	13.6	13.6	13.6	13.7	13.7	13.7	13.7
135	15.1	15.0	15.1	15.0	15.0	15.0	15.1	15.1	15.1	15.0	15.1	15.1	15.6	15.7	15.6	15.7	15.6	15.7	15.7
140	17.2	17.2	17.3	17.2	17.2	17.1	17.2	17.2	17.3	17.2	17.3	17.2	17.6	17.7	17.6	17.6	17.6	17.7	17.6
145	19.1	19.1	19.6	19.4	19.2	19.1	19.2	19.7	19.3	19.1	19.2	19.2	19.6	19.5	19.4	19.4	19.5	19.6	19.5
150	20.7	20.7	20.9	20.9	20.8	20.7	20.8	20.9	20.8	20.7	20.7	20.7	21.0	20.9	20.9	20.9	21.0	21.0	21.0
155	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	22.0	22.0
160	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5
165	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5
170	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.4	22.6	22.6	22.6	22.6	22.5	22.5	22.5
175	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.7
180	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.0	23.1	23.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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:0.1250A P:27.40W PF:0.9610 Lamp Flux:2804.32x1 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	4918	4918	4918	4918	4918														
5	4578	4595	4585	4621	4622														
10	3974	4000	3988	4036	4044														
15	3346	3377	3374	3429	3416														
20	2648	2686	2670	2713	2657														
25	1974	1989	1967	1981	1922														
30	1289	1301	1263	1288	1227														
35	439	446	415	419	396														
40	173	176	165	161	153														
45	83.1	84.6	79.2	78.1	73.9														
50	43.7	44.0	42.2	41.8	40.3														
55	27.7	27.9	27.3	27.2	26.6														
60	19.9	20.1	19.8	19.9	19.5														
65	15.3	15.3	15.3	15.3	15.1														
70	12.1	12.1	12.1	12.1	12.0														
75	9.86	9.85	9.79	9.86	9.77														
80	8.19	8.16	8.16	8.17	8.22														
85	7.12	7.12	7.12	7.14	7.16														
90	6.24	6.24	6.25	6.26	6.28														
95	6.45	6.45	6.46	6.47	6.49														
100	6.67	6.69	6.71	6.71	6.74														
105	7.10	7.11	7.15	7.15	7.17														
110	7.80	7.79	7.85	7.83	7.88														
115	8.81	8.77	8.83	8.79	8.86														
120	10.2	10.1	10.1	10.1	10.2														
125	11.8	11.7	11.8	11.7	11.7														
130	13.7	13.6	13.7	13.6	13.6														
135	15.7	15.7	15.8	15.7	15.7														
140	17.7	17.7	17.8	17.7	17.7														
145	19.5	19.5	19.7	19.7	19.6														
150	21.0	21.0	21.1	21.1	21.1														
155	22.0	22.0	22.0	22.0	22.0														
160	22.4	22.4	22.5	22.4	22.4														
165	22.6	22.6	22.6	22.7	22.7														
170	22.5	22.6	22.6	22.7	22.7														
175	22.7	22.7	22.7	22.8	22.8														
180	23.0	23.0	23.0	23.0	23.0														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-07

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: