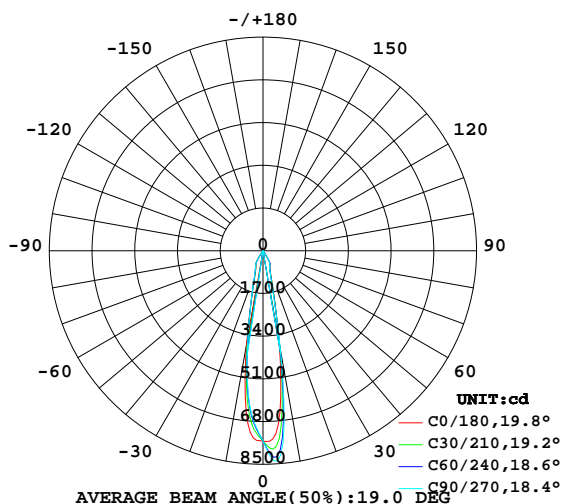


## LUMINAIRE PHOTOMETRIC TEST REPORT

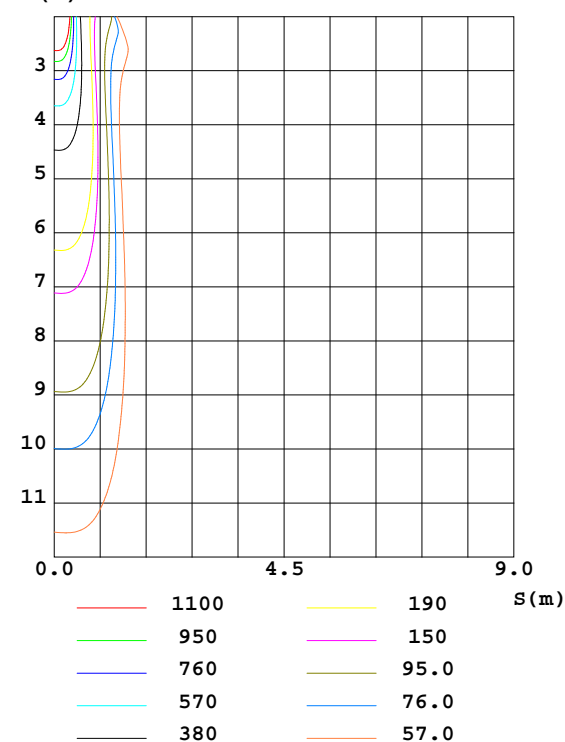
Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.68 lm/W			
MODEL	TL31-20W-927-W-20	Imax(cd)	8388	S/MH(C0/180)	0.33
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	1518.6	η UP,DN(C0-180)	1.2,50.0
NOMINAL FLUX(lm)	1518.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,47.3
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	226.6	η down(%)	97.4	CIBSE SHR MAX	1.00

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:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [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	3695	4039	3961	4094	3761	3401	3444	3366	0- 10	558.5	558.5	36.8,36.8
20	851.6	848.8	805.6	846.2	878.6	910.7	958.4	864.8	10- 20	462.3	1021	67.2,67.2
30	528.1	528.3	523.0	539.5	543.8	535.7	543.2	519.7	20- 30	311.5	1332	87.7,87.7
40	31.90	33.44	33.82	36.07	32.99	31.71	31.95	31.96	30- 40	102.5	1435	94.5,94.5
50	13.63	14.36	13.59	14.35	13.35	13.25	13.63	13.29	40- 50	16.27	1451	95.6,95.6
60	8.944	9.300	9.021	9.047	8.846	8.775	8.530	8.516	50- 60	9.622	1461	96.2,96.2
70	6.603	6.912	6.842	6.764	6.576	6.619	6.375	6.433	60- 70	7.663	1468	96.7,96.7
80	4.669	4.982	4.810	4.780	4.716	4.866	4.622	4.659	70- 80	5.959	1474	97.1,97.1
90	2.950	4.149	3.084	2.983	3.544	4.456	3.537	3.618	80- 90	4.470	1479	97.4,97.4
100	2.228	2.534	2.252	2.200	3.652	3.854	3.645	3.704	90-100	3.521	1482	97.6,97.6
110	3.097	3.103	3.080	3.006	4.004	4.065	4.002	4.069	100-110	3.379	1486	97.8,97.8
120	4.136	4.134	4.129	4.049	4.751	4.791	4.730	4.813	110-120	3.934	1490	98.1,98.1
130	6.563	6.462	6.402	6.397	6.954	7.068	7.036	7.104	120-130	4.816	1495	98.4,98.4
140	10.11	10.10	10.06	10.05	10.23	10.28	10.24	10.33	130-140	6.557	1501	98.8,98.8
150	11.89	11.91	11.86	11.87	12.03	12.06	11.99	12.08	140-150	7.014	1508	99.3,99.3
160	12.62	12.63	12.58	12.61	12.69	12.74	12.67	12.74	150-160	5.710	1514	99.7,99.7
170	12.73	12.76	12.74	12.80	12.85	12.89	12.86	12.89	160-170	3.636	1517	99.9,99.9
180	12.03	12.06	11.91	11.86	12.04	12.06	11.91	11.86	170-180	1.186	1519	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

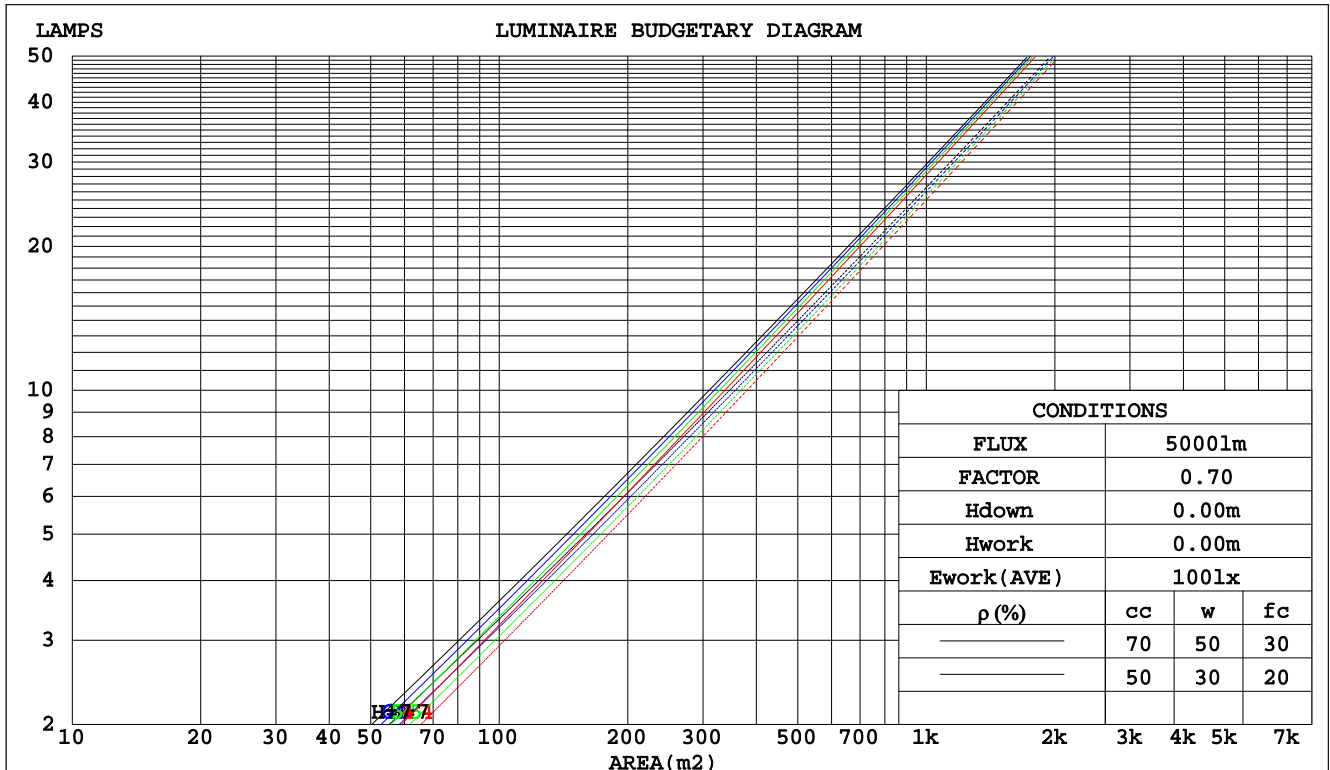
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 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	1.12	1.09	1.08	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.06	1.02	.00	1.04	1.01	.98	1.00	.98	.96	.97	.95	.93	.94	.93	.91	.90
3.0	1.01	.97	.94	.99	.96	.93	.96	.93	.91	.94	.91	.89	.91	.89	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.86	.84	.83
5.0	.92	.88	.85	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.83	.81	.80
6.0	.89	.84	.81	.88	.84	.81	.86	.83	.80	.85	.82	.79	.83	.81	.79	.77
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.82	.79	.77	.81	.78	.76	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
9.0	.80	.76	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.77	.74	.72	.71
10.0	.78	.74	.71	.77	.73	.71	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

# WEC AND CCEC

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 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	.150	.085	.027	.143	.081	.026	.129	.074	.024	.116	.067	.021	.104	.060	.019		
2.0	.139	.076	.023	.133	.073	.023	.121	.067	.021	.110	.062	.019	.100	.057	.018		
3.0	.129	.069	.021	.124	.066	.020	.114	.062	.019	.105	.057	.018	.096	.053	.016		
4.0	.121	.063	.018	.116	.061	.018	.108	.057	.017	.100	.054	.016	.092	.050	.015		
5.0	.114	.058	.017	.110	.056	.016	.102	.053	.016	.095	.050	.015	.089	.048	.014		
6.0	.107	.054	.015	.104	.052	.015	.097	.050	.015	.091	.047	.014	.086	.045	.013		
7.0	.102	.050	.014	.099	.049	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013		
8.0	.097	.047	.013	.094	.046	.013	.089	.044	.013	.084	.043	.012	.080	.041	.012		
9.0	.092	.045	.012	.090	.044	.012	.085	.042	.012	.081	.041	.012	.077	.039	.011		
10.0	.088	.042	.012	.086	.041	.012	.082	.040	.011	.078	.039	.011	.074	.037	.011		

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	.210	.210	.210	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023		
1.0	.189	.178	.167	.162	.152	.144	.111	.105	.099	.064	.061	.058	.020	.020	.019		
2.0	.172	.153	.137	.147	.132	.118	.101	.091	.082	.058	.053	.048	.019	.017	.016		
3.0	.158	.134	.115	.135	.115	.099	.093	.080	.070	.054	.047	.041	.017	.015	.013		
4.0	.146	.119	.098	.125	.102	.085	.086	.071	.060	.050	.042	.035	.016	.014	.012		
5.0	.135	.106	.085	.116	.092	.074	.080	.064	.052	.046	.038	.031	.015	.012	.010		
6.0	.127	.097	.075	.109	.084	.065	.075	.059	.046	.044	.034	.027	.014	.011	.009		
7.0	.119	.089	.067	.103	.077	.058	.071	.054	.041	.041	.032	.025	.013	.010	.008		
8.0	.113	.082	.061	.097	.071	.053	.067	.050	.038	.039	.029	.022	.013	.010	.007		
9.0	.107	.076	.056	.092	.066	.048	.064	.047	.034	.037	.028	.021	.012	.009	.007		
10.0	.102	.072	.051	.088	.062	.045	.061	.044	.032	.036	.026	.019	.012	.009	.006		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.6lx1 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	11.5	12.2	11.8	12.4	12.6	11.9	12.6	12.1	12.8	13.0	
	3H	11.8	12.5	12.1	12.7	12.9	12.1	12.8	12.4	13.0	13.2
	4H	12.0	12.6	12.3	12.9	13.2	12.3	12.9	12.6	13.2	13.5
	6H	12.4	13.0	12.7	13.2	13.5	12.6	13.2	13.0	13.5	13.8
	8H	12.6	13.2	12.9	13.5	13.8	12.9	13.4	13.2	13.7	14.0
	12H	12.9	13.4	13.3	13.8	14.1	13.2	13.7	13.5	14.0	14.3
4H	2H	11.5	12.1	11.8	12.3	12.6	11.8	12.4	12.1	12.7	12.9
	3H	11.9	12.4	12.3	12.8	13.1	12.2	12.7	12.5	13.0	13.4
	4H	12.3	12.8	12.7	13.1	13.5	12.5	13.0	12.9	13.4	13.7
	6H	12.8	13.3	13.2	13.6	14.0	13.0	13.5	13.5	13.9	14.2
	8H	13.2	13.6	13.6	14.0	14.4	13.4	13.8	13.8	14.2	14.6
	12H	13.7	14.0	14.1	14.5	14.9	13.8	14.2	14.3	14.6	15.1
8H	4H	12.4	12.8	12.8	13.2	13.6	12.6	13.1	13.1	13.4	13.9
	6H	13.2	13.5	13.6	13.9	14.4	13.4	13.7	13.8	14.1	14.6
	8H	13.7	14.0	14.2	14.5	15.0	13.9	14.2	14.3	14.6	15.1
	12H	14.4	14.7	14.9	15.2	15.7	14.5	14.8	15.0	15.3	15.8
12H	4H	12.4	12.8	12.9	13.2	13.7	12.7	13.0	13.1	13.4	13.9
	6H	13.3	13.6	13.8	14.0	14.5	13.4	13.7	13.9	14.2	14.7
	8H	13.9	14.2	14.4	14.6	15.2	14.0	14.3	14.5	14.8	15.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.4					+ 0.5 / - 0.4					
1.5H	+ 0.7 / - 0.3					+ 0.9 / - 0.3					
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					

CIE Pub.117 Corrected 1519 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.5)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

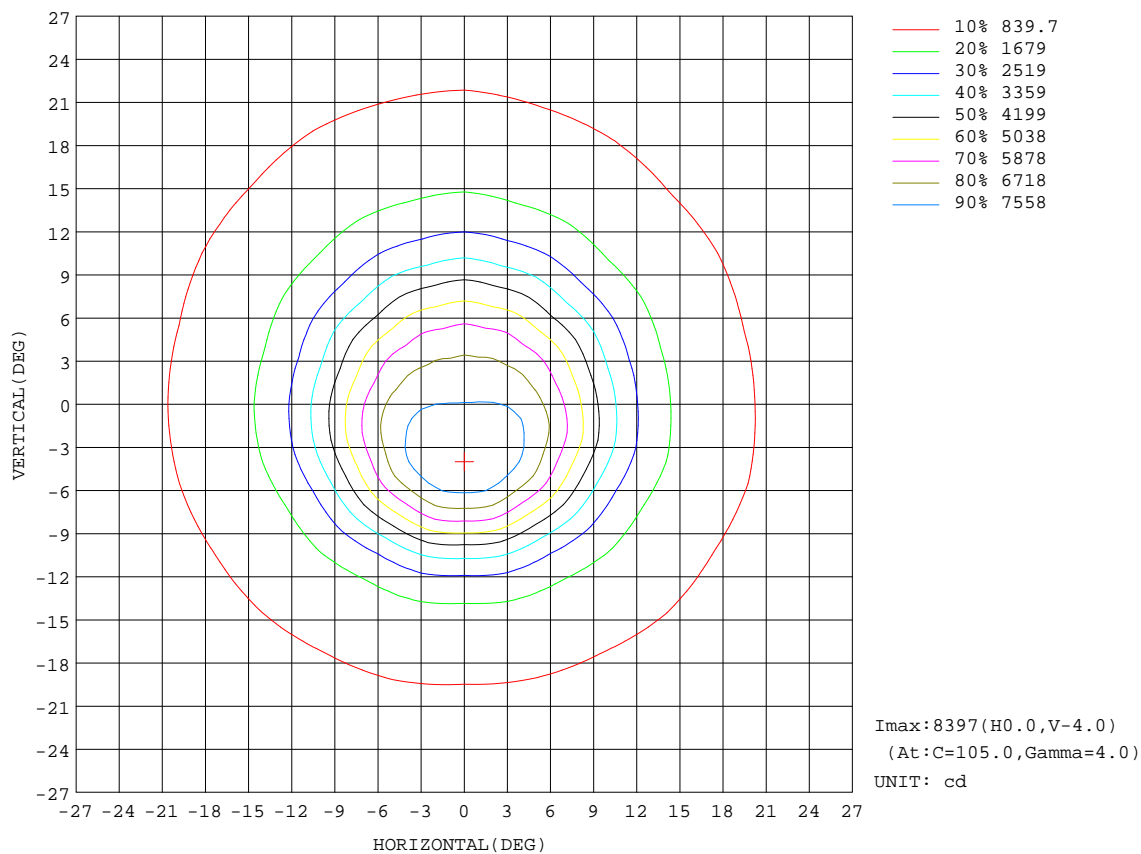
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	78	87	81	78	75
0.80	95	90	86	94	89	86	93	89	85	82
1.00	99	94	90	98	93	90	96	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	106	105	97
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:2016-08-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



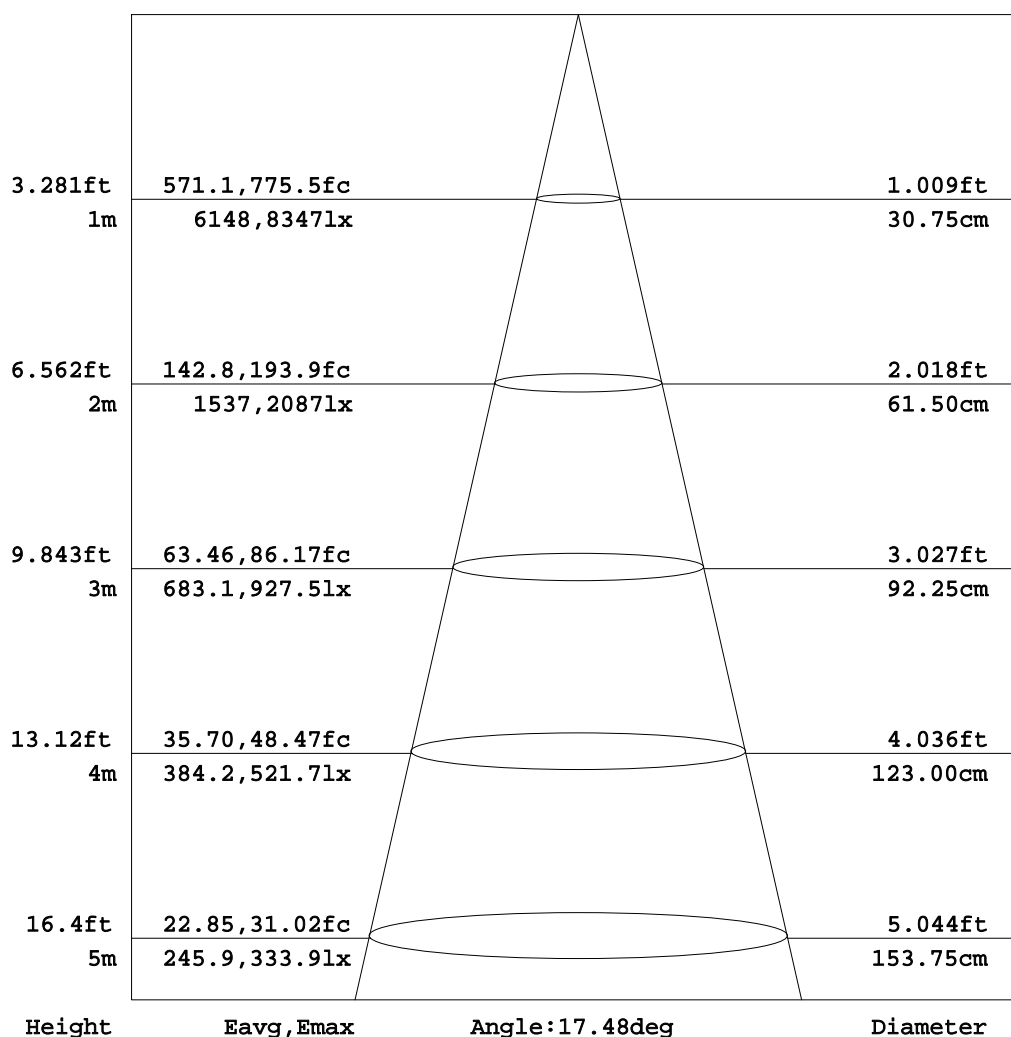
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:484.5 lm



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

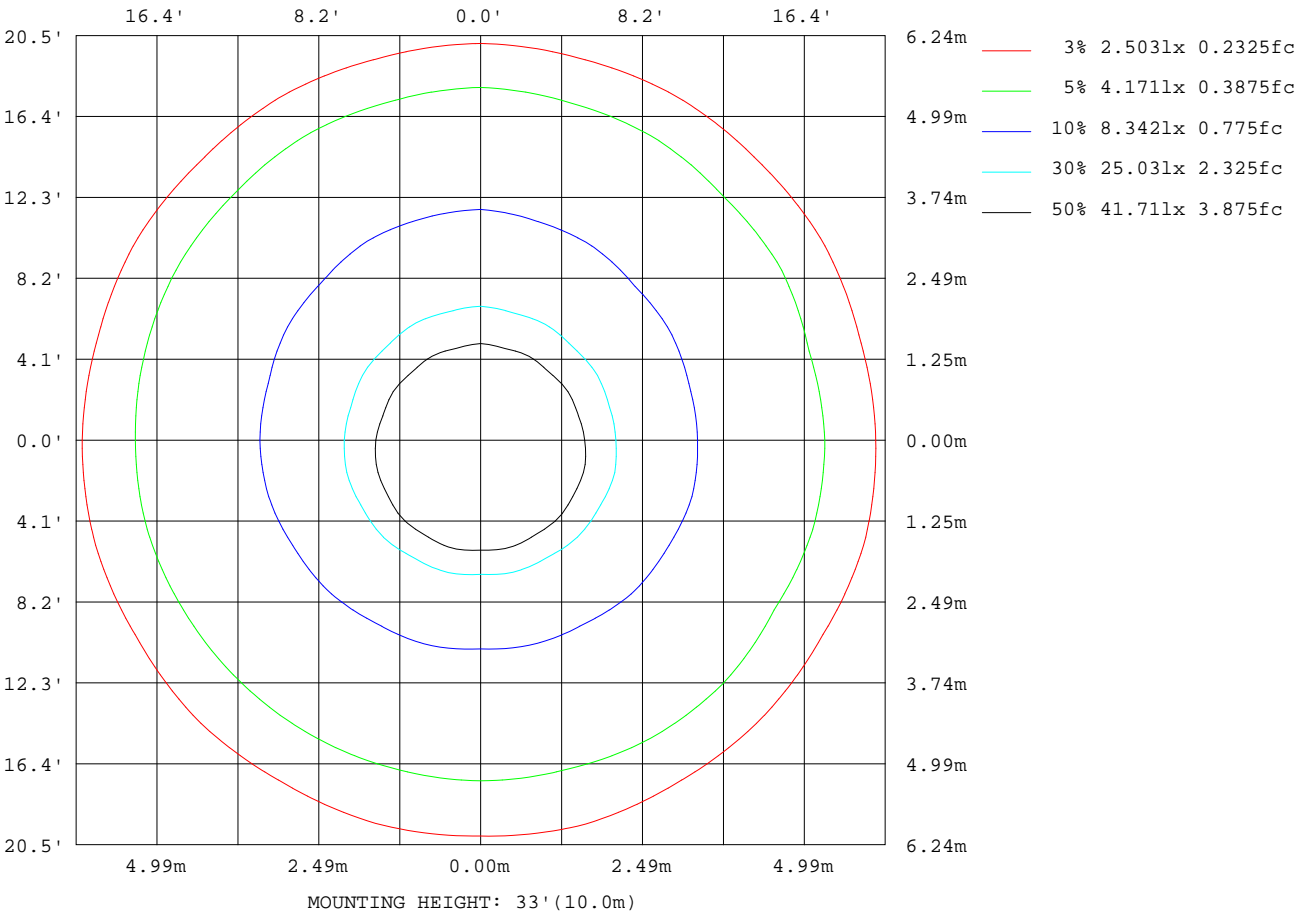
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks:



ISOLUX DIAGRAM

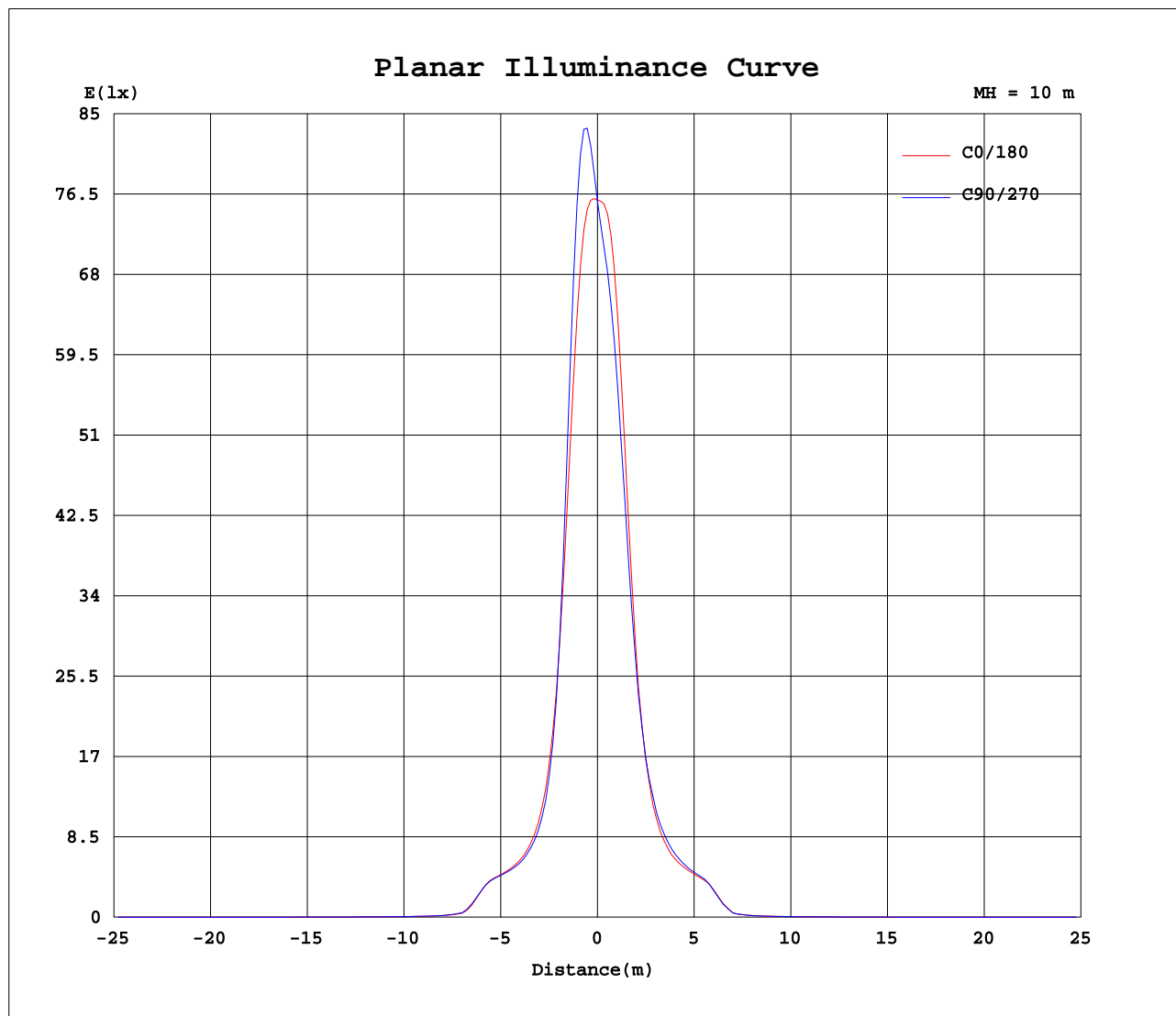
Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.6lx1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.610m [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: 2016-08-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.610m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 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	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573	7573
5	6951	7287	7486	7815	7949	8183	8146	8197	7976	7826	7457	7233	6919	6603	6457	6254	6207	6110	6144
10	3695	3913	3867	4039	3919	4103	3961	4152	3988	4094	3883	3900	3761	3538	3557	3401	3461	3363	3444
15	1500	1582	1478	1521	1399	1458	1366	1461	1398	1518	1470	1582	1586	1524	1585	1557	1618	1588	1622
20	852	868	843	849	819	819	806	827	823	846	848	873	879	874	904	911	946	950	958
25	658	662	644	659	648	643	643	653	652	658	655	668	671	674	681	686	700	702	707
30	528	541	514	528	524	542	523	533	523	540	531	549	544	539	550	536	545	535	543
35	77.1	82.6	77.9	85.4	80.8	92.3	87.4	98.8	88.5	97.3	88.4	91.5	86.8	78.0	82.7	79.4	84.4	77.6	82.4
40	31.9	32.5	32.3	33.4	32.9	33.4	33.8	36.5	34.7	36.1	34.7	34.9	33.0	31.9	31.8	31.7	32.0	31.2	32.0
45	19.8	20.4	20.3	20.7	20.3	20.5	20.6	21.6	21.1	21.7	21.0	21.1	20.2	19.7	19.8	19.6	19.7	19.3	19.6
50	13.6	14.2	14.3	14.4	13.9	13.7	13.6	14.0	14.0	14.4	14.1	14.0	13.3	13.2	13.2	13.2	13.5	13.5	13.6
55	10.6	10.9	10.9	11.1	10.9	10.6	10.6	10.7	10.6	10.9	10.8	10.7	10.1	10.1	10.1	10.2	10.3	10.2	10.4
60	8.94	9.10	9.04	9.30	9.13	9.06	9.02	9.06	8.94	9.05	8.99	9.17	8.85	8.80	8.70	8.78	8.70	8.52	8.53
65	7.76	7.91	7.91	8.06	8.01	7.96	7.90	7.92	7.84	7.86	7.83	7.96	7.70	7.73	7.69	7.69	7.54	7.45	7.38
70	6.60	6.76	6.76	6.91	6.85	6.87	6.84	6.85	6.75	6.76	6.69	6.77	6.58	6.61	6.61	6.62	6.50	6.41	6.38
75	5.62	5.74	5.71	5.83	5.72	5.70	5.69	5.68	5.68	5.69	5.65	5.72	5.58	5.66	5.67	5.67	5.51	5.53	5.49
80	4.67	4.87	4.81	4.98	4.79	4.78	4.81	4.78	4.76	4.78	4.76	4.80	4.72	4.87	4.91	4.87	4.66	4.66	4.62
85	3.85	4.17	4.12	4.43	3.98	3.98	4.00	3.96	3.94	3.95	3.91	3.94	4.08	4.34	4.56	4.49	4.03	4.03	4.00
90	2.95	3.64	3.53	4.15	3.12	3.06	3.08	3.03	2.99	2.98	2.95	2.94	3.54	4.18	4.49	4.46	3.56	3.58	3.54
95	2.45	3.32	3.02	3.36	2.57	2.53	2.55	2.50	2.48	2.47	2.44	2.43	3.60	3.99	4.41	4.35	3.60	3.62	3.59
100	2.23	2.36	2.38	2.53	2.28	2.23	2.25	2.20	2.21	2.20	2.20	2.20	3.65	3.76	3.87	3.85	3.65	3.68	3.65
105	2.54	2.54	2.55	2.56	2.52	2.46	2.49	2.43	2.46	2.44	2.47	2.46	3.79	3.87	3.87	3.87	3.80	3.83	3.79
110	3.10	3.10	3.12	3.10	3.10	3.06	3.08	3.02	3.03	3.01	3.03	3.01	4.00	4.06	4.04	4.06	4.01	4.04	4.00
115	3.61	3.61	3.63	3.63	3.65	3.63	3.63	3.59	3.58	3.55	3.55	3.52	4.29	4.33	4.30	4.33	4.28	4.33	4.28
120	4.14	4.12	4.15	4.13	4.15	4.13	4.13	4.09	4.09	4.05	4.06	4.02	4.75	4.79	4.75	4.79	4.73	4.78	4.73
125	5.02	4.98	5.03	4.98	5.00	4.96	4.97	4.92	4.93	4.89	4.92	4.88	5.57	5.61	5.57	5.62	5.56	5.63	5.56
130	6.56	6.49	6.52	6.46	6.46	6.40	6.40	6.38	6.42	6.40	6.44	6.41	6.95	7.02	6.98	7.07	7.01	7.12	7.04
135	8.46	8.38	8.41	8.35	8.34	8.28	8.29	8.27	8.34	8.30	8.34	8.32	8.67	8.74	8.68	8.78	8.72	8.83	8.76
140	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.0	10.2	10.3	10.2	10.3	10.2	10.3	10.2
145	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1	11.3	11.4	11.3	11.4	11.3	11.4	11.3
150	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8	11.8	12.0	12.1	12.0	12.1	12.0	12.1	12.0
155	12.3	12.3	12.3	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.5	12.4	12.5	12.4	12.5	12.4
160	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7
165	12.8	12.9	12.8	12.9	12.8	12.9	12.8	12.9	12.8	12.9	12.8	12.9	12.9	12.9	12.9	13.0	12.9	13.0	12.9
170	12.7	12.7	12.7	12.8	12.7	12.8	12.7	12.8	12.7	12.8	12.7	12.8	12.9	12.9	12.8	12.9	12.8	12.9	12.9
175	12.1	12.2	12.2	12.2	12.2	12.3	12.2	12.2	12.2	12.2	12.1	12.0	12.3	12.3	12.2	12.2	12.1	12.1	12.1
180	12.0	12.0	12.0	12.1	12.0	12.0	11.9	11.9	11.8	11.9	11.8	11.8	12.0	12.1	12.0	12.1	12.0	12.0	11.9

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 6.610m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.6V I:0.0890A P:19.30W PF:0.9530 Lamp Flux:1518.61x1 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	7573	7573	7573	7573	7573														
5	6126	6241	6298	6513	6669														
10	3340	3428	3366	3537	3525														
15	1549	1569	1477	1534	1474														
20	927	907	865	867	846														
25	692	680	667	666	656														
30	530	535	520	532	513														
35	78.0	79.5	75.9	77.8	73.2														
40	32.0	32.0	32.0	31.7	31.3														
45	19.8	19.8	19.6	19.6	19.2														
50	13.7	13.6	13.3	13.3	13.1														
55	10.5	10.3	10.1	10.2	10.2														
60	8.69	8.60	8.52	8.57	8.64														
65	7.54	7.47	7.49	7.54	7.55														
70	6.48	6.42	6.43	6.47	6.43														
75	5.53	5.48	5.50	5.52	5.50														
80	4.64	4.62	4.66	4.67	4.63														
85	4.02	4.01	4.05	4.05	4.03														
90	3.57	3.56	3.62	3.59	3.58														
95	3.62	3.61	3.65	3.63	3.62														
100	3.67	3.66	3.70	3.69	3.68														
105	3.82	3.80	3.85	3.83	3.83														
110	4.04	4.03	4.07	4.03	4.05														
115	4.33	4.31	4.35	4.31	4.35														
120	4.78	4.76	4.81	4.77	4.82														
125	5.64	5.58	5.65	5.60	5.66														
130	7.12	7.03	7.10	7.02	7.07														
135	8.84	8.74	8.82	8.74	8.80														
140	10.3	10.2	10.3	10.3	10.3														
145	11.4	11.3	11.4	11.4	11.4														
150	12.1	12.0	12.1	12.0	12.1														
155	12.5	12.4	12.5	12.4	12.5														
160	12.7	12.7	12.7	12.7	12.7														
165	13.0	12.9	13.0	12.9	12.9														
170	12.9	12.9	12.9	12.8	12.9														
175	12.1	12.1	12.1	12.1	12.2														
180	11.9	11.8	11.9	11.8	11.8														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-01

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.610m [K=1.0000]  
Remarks: