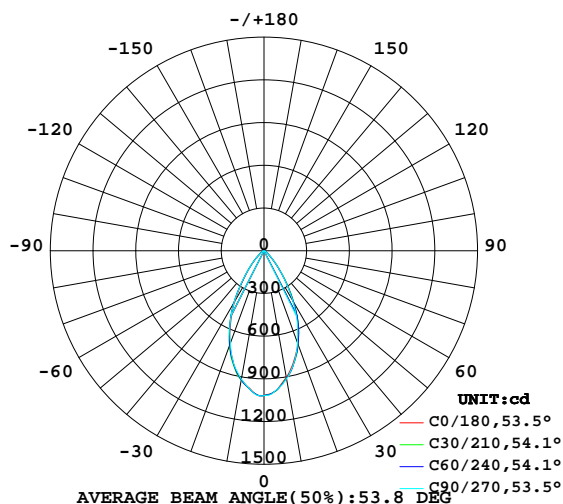


## LUMINAIRE PHOTOMETRIC TEST REPORT

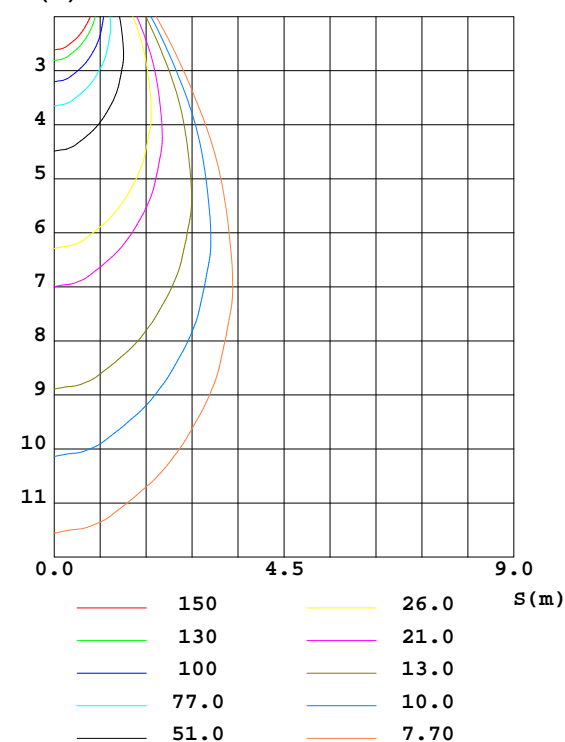
Test:U:226.5V I:0.0440A P:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.40 lm/W			
MODEL	M022-9W-830-S-60	Imax(cd)	1022	S/MH(C0/180)	0.81
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	888.43	η UP,DN(C0-180)	1.2,48.5
NOMINAL FLUX(lm)	888.434	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,49.0
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	226.4	η down(%)	97.5	CIBSE SHR MAX	0.85

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	903.3	907.6	912.5	913.0	918.3	918.9	916.7	899.6	0- 10	91.70	91.70	10.3,10.3
20	695.3	704.3	687.7	693.3	699.0	698.2	691.2	688.9	10- 20	227.0	318.7	35.9,35.9
30	410.2	418.6	405.5	410.0	415.3	419.4	423.0	416.0	20- 30	255.3	574.0	64.6,64.6
40	156.4	160.7	157.7	159.8	163.5	165.0	165.8	158.9	30- 40	169.9	743.8	83.7,83.7
50	46.21	47.77	48.85	48.70	51.01	52.18	51.99	48.20	40- 50	72.56	816.4	91.9,91.9
60	17.75	19.00	18.67	18.19	19.30	19.21	19.29	17.57	50- 60	26.80	843.2	94.9,94.9
70	8.779	8.958	9.066	8.969	9.033	8.859	8.912	8.653	60- 70	12.97	856.2	96.4,96.4
80	3.925	5.855	4.082	4.097	4.027	5.205	4.179	4.183	70- 80	6.793	863.0	97.1,97.1
90	1.522	1.778	1.660	1.840	1.752	1.979	1.860	2.071	80- 90	3.074	866.0	97.5,97.5
100	1.655	1.972	1.766	2.283	1.988	2.260	2.083	2.560	90-100	2.024	868.1	97.7,97.7
110	2.089	2.562	2.192	2.802	2.437	2.846	2.518	3.029	100-110	2.335	870.4	98,98
120	2.807	3.273	2.915	3.353	3.144	3.523	3.205	3.595	110-120	2.761	873.1	98.3,98.3
130	3.787	3.930	3.889	4.038	4.030	4.166	4.081	4.179	120-130	3.176	876.3	98.6,98.6
140	4.825	4.919	4.922	5.022	4.992	5.068	5.032	5.128	130-140	3.464	879.8	99,99
150	5.681	5.843	5.759	5.913	5.798	5.872	5.835	5.961	140-150	3.393	883.2	99.4,99.4
160	6.192	6.224	6.232	6.229	6.292	6.277	6.296	6.299	150-160	2.801	886.0	99.7,99.7
170	6.530	6.554	6.558	6.548	6.595	6.577	6.605	6.585	160-170	1.815	887.8	99.9,99.9
180	6.791	6.808	6.818	6.803	6.800	6.801	6.818	6.796	170-180	0.6361	888.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

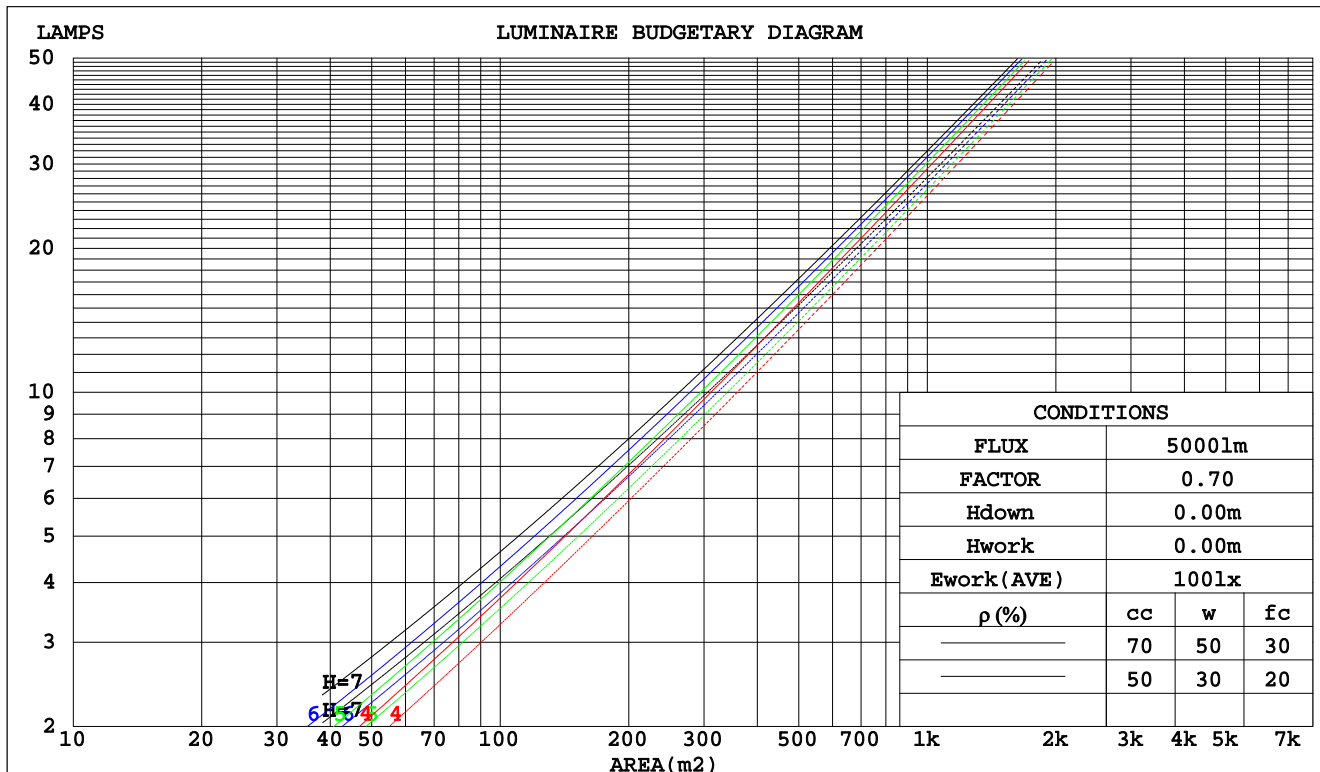
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

$\gamma$  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:8.510W PF:0.8390 Lamp Flux:888.434x1 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	.97
1.0	1.09	1.07	1.04	1.07	1.04	1.02	1.02	1.00	.99	.98	.97	.95	.94	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.81	.86	.83	.80	.83	.81	.78	.76
4.0	.87	.81	.76	.86	.80	.76	.83	.78	.75	.81	.77	.74	.79	.75	.72	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.71	.68	.74	.70	.67	.66
6.0	.76	.69	.65	.75	.69	.65	.73	.68	.64	.71	.67	.63	.70	.66	.63	.61
7.0	.71	.65	.60	.70	.64	.60	.69	.63	.59	.67	.62	.59	.66	.62	.58	.57
8.0	.67	.60	.56	.66	.60	.56	.65	.59	.56	.63	.59	.55	.62	.58	.55	.53
9.0	.63	.57	.53	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.56	.52	.48	.47



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:8.510W PF:0.8390 Lamp Flux:888.434x1 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	.194	.111	.035	.187	.107	.034	.173	.099	.032	.160	.092	.030	.148	.086	.028	
2.0	.185	.102	.031	.179	.098	.030	.167	.093	.029	.156	.087	.027	.145	.082	.026	
3.0	.175	.093	.028	.170	.091	.027	.160	.086	.026	.150	.082	.025	.141	.078	.024	
4.0	.166	.086	.025	.161	.084	.025	.152	.081	.024	.144	.077	.023	.136	.074	.022	
5.0	.158	.080	.023	.153	.079	.023	.145	.076	.022	.138	.073	.022	.131	.070	.021	
6.0	.150	.075	.021	.146	.074	.021	.139	.071	.021	.132	.069	.020	.126	.066	.020	
7.0	.142	.070	.020	.139	.069	.020	.133	.067	.019	.127	.065	.019	.121	.063	.018	
8.0	.136	.066	.019	.133	.065	.018	.127	.063	.018	.122	.062	.018	.116	.060	.017	
9.0	.130	.063	.018	.127	.062	.017	.122	.060	.017	.117	.059	.017	.112	.057	.016	
10.0	.124	.059	.016	.121	.059	.016	.117	.057	.016	.112	.056	.016	.108	.054	.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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.192	.177	.163	.164	.152	.140	.112	.104	.097	.065	.060	.056	.021	.019	.018	
2.0	.178	.152	.130	.152	.131	.113	.104	.090	.079	.060	.053	.046	.019	.017	.015	
3.0	.166	.133	.107	.142	.115	.093	.098	.080	.065	.056	.047	.038	.018	.015	.013	
4.0	.156	.119	.090	.134	.103	.078	.092	.072	.055	.053	.042	.033	.017	.014	.011	
5.0	.148	.107	.078	.127	.093	.068	.087	.065	.048	.051	.038	.028	.016	.012	.009	
6.0	.140	.098	.068	.121	.085	.059	.083	.060	.042	.048	.035	.025	.016	.011	.008	
7.0	.134	.091	.061	.115	.079	.053	.080	.055	.038	.046	.033	.022	.015	.011	.007	
8.0	.128	.085	.055	.110	.074	.048	.076	.052	.034	.044	.030	.020	.014	.010	.007	
9.0	.123	.080	.050	.106	.069	.044	.073	.049	.031	.043	.029	.019	.014	.009	.006	
10.0	.118	.075	.047	.102	.065	.041	.071	.046	.029	.041	.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:8.510W PF:0.8390 Lamp Flux:888.434x1 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	23.6	24.6	23.9	24.9	25.1	23.5	24.5	23.7	24.7	24.9	
	3H	23.7	24.6	24.0	24.8	25.1	23.5	24.4	23.8	24.7	24.9
	4H	23.7	24.6	24.0	24.8	25.1	23.6	24.4	23.9	24.7	25.0
	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	25.1	23.6	24.4	23.9	24.7	25.0
	12H	23.7	24.4	24.1	24.8	25.1	23.6	24.3	24.0	24.6	25.0
4H	2H	23.5	24.4	23.8	24.6	24.9	23.3	24.2	23.7	24.5	24.8
	3H	23.6	24.4	24.0	24.7	25.0	23.5	24.2	23.9	24.5	24.9
	4H	23.7	24.4	24.1	24.7	25.1	23.6	24.3	24.0	24.6	25.0
	6H	23.8	24.3	24.2	24.7	25.1	23.7	24.3	24.1	24.7	25.1
	8H	23.8	24.3	24.2	24.7	25.2	23.7	24.3	24.2	24.7	25.1
	12H	23.8	24.3	24.3	24.7	25.2	23.8	24.3	24.2	24.7	25.1
8H	4H	23.7	24.2	24.1	24.6	25.0	23.6	24.1	24.0	24.5	24.9
	6H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	8H	23.9	24.3	24.3	24.7	25.2	23.9	24.3	24.4	24.8	25.3
	12H	23.9	24.3	24.4	24.8	25.3	24.0	24.3	24.5	24.8	25.3
12H	4H	23.6	24.1	24.1	24.6	25.0	23.5	24.0	24.0	24.5	24.9
	6H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	8H	23.9	24.2	24.4	24.7	25.3	23.9	24.3	24.5	24.8	25.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.0					+ 1.7 / - 2.6					
1.5H	+ 3.3 / - 2.8					+ 3.1 / - 2.5					
2.0H	+ 3.2 / - 1.7					+ 3.0 / - 1.5					

CIE Pub.117 Corrected 888.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.4)

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:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

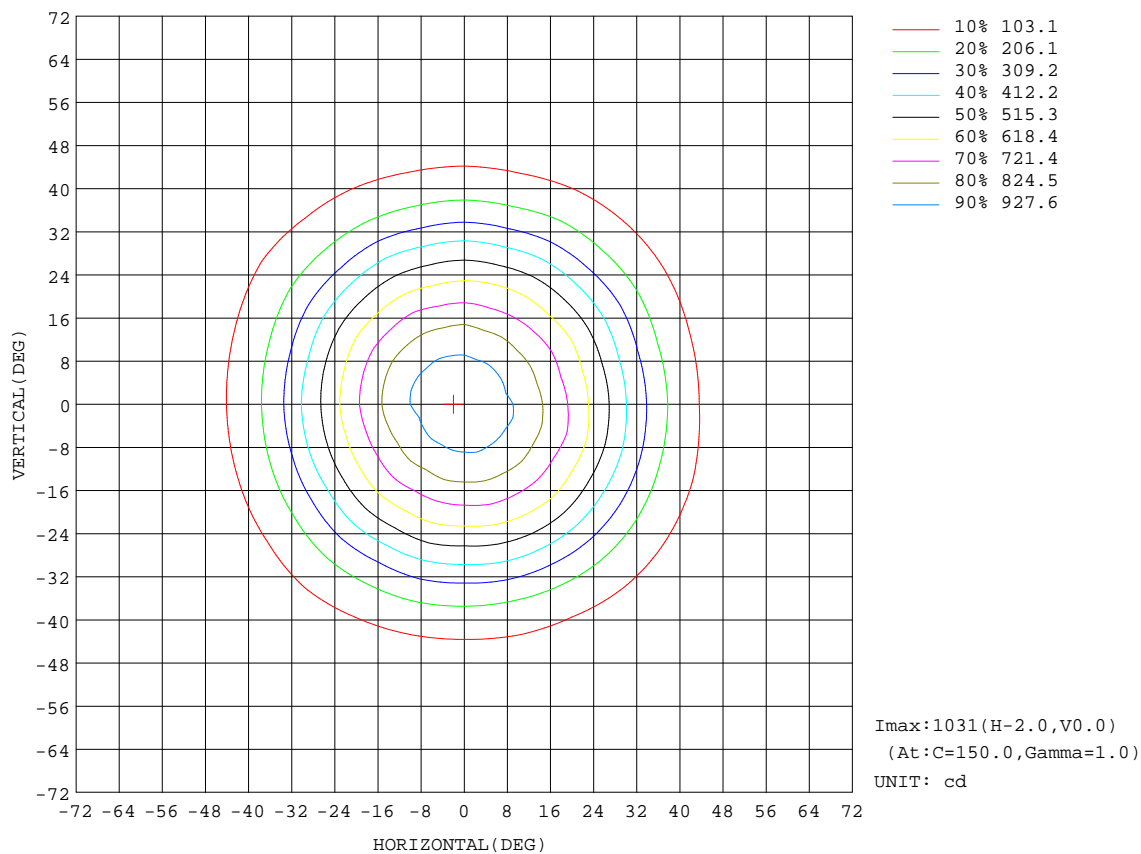
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	70	80	73	69	65
0.80	89	83	78	89	82	78	87	81	78	73
1.00	95	88	84	94	88	84	92	87	83	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	102	97	93	101	96	92	98	94	91	86
2.00	106	101	97	104	100	96	101	97	95	88
2.50	108	103	100	106	102	99	102	99	97	90
3.00	110	106	102	108	104	101	104	101	99	91
4.00	112	109	106	110	107	104	105	103	101	93
5.00	113	111	108	111	109	107	106	105	103	94
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:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



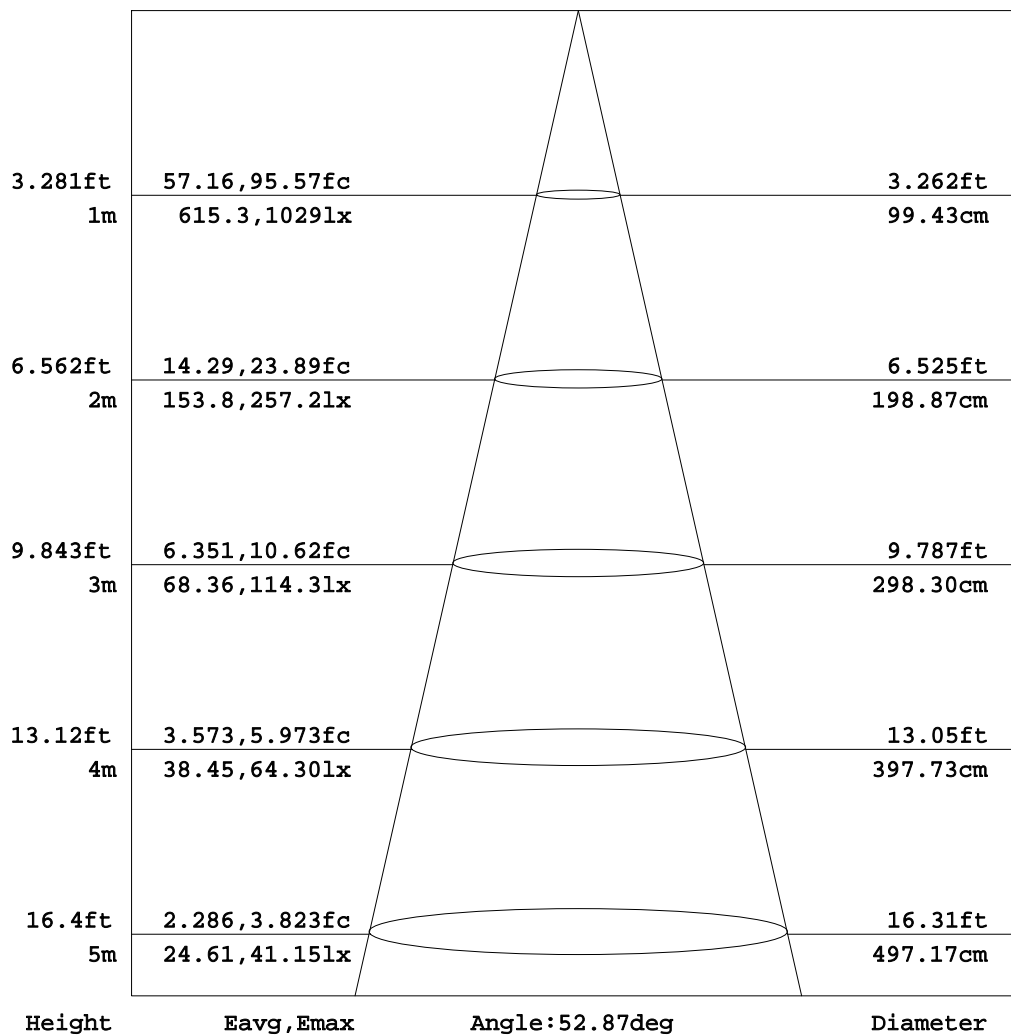
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:501.8 lm



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

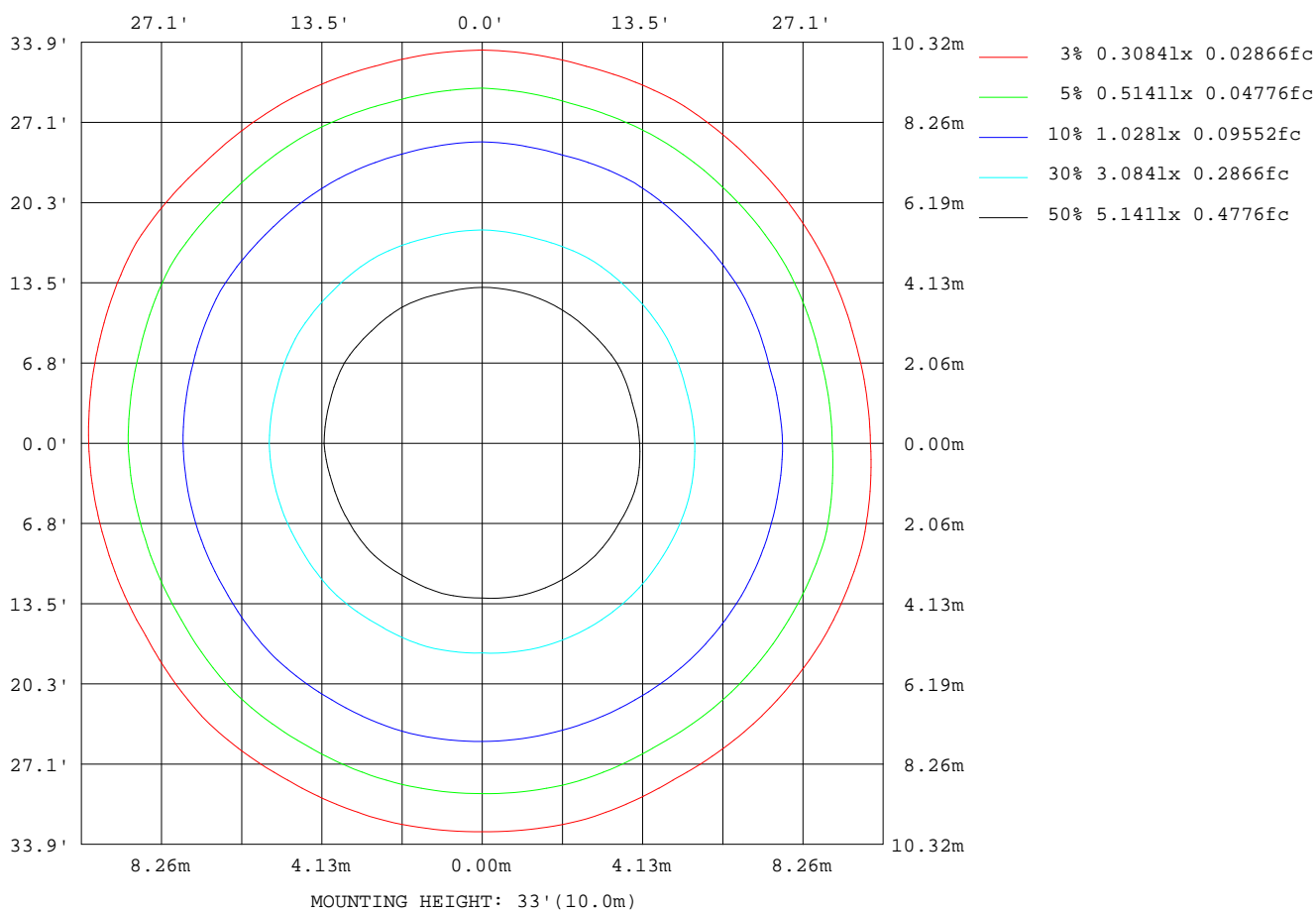
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

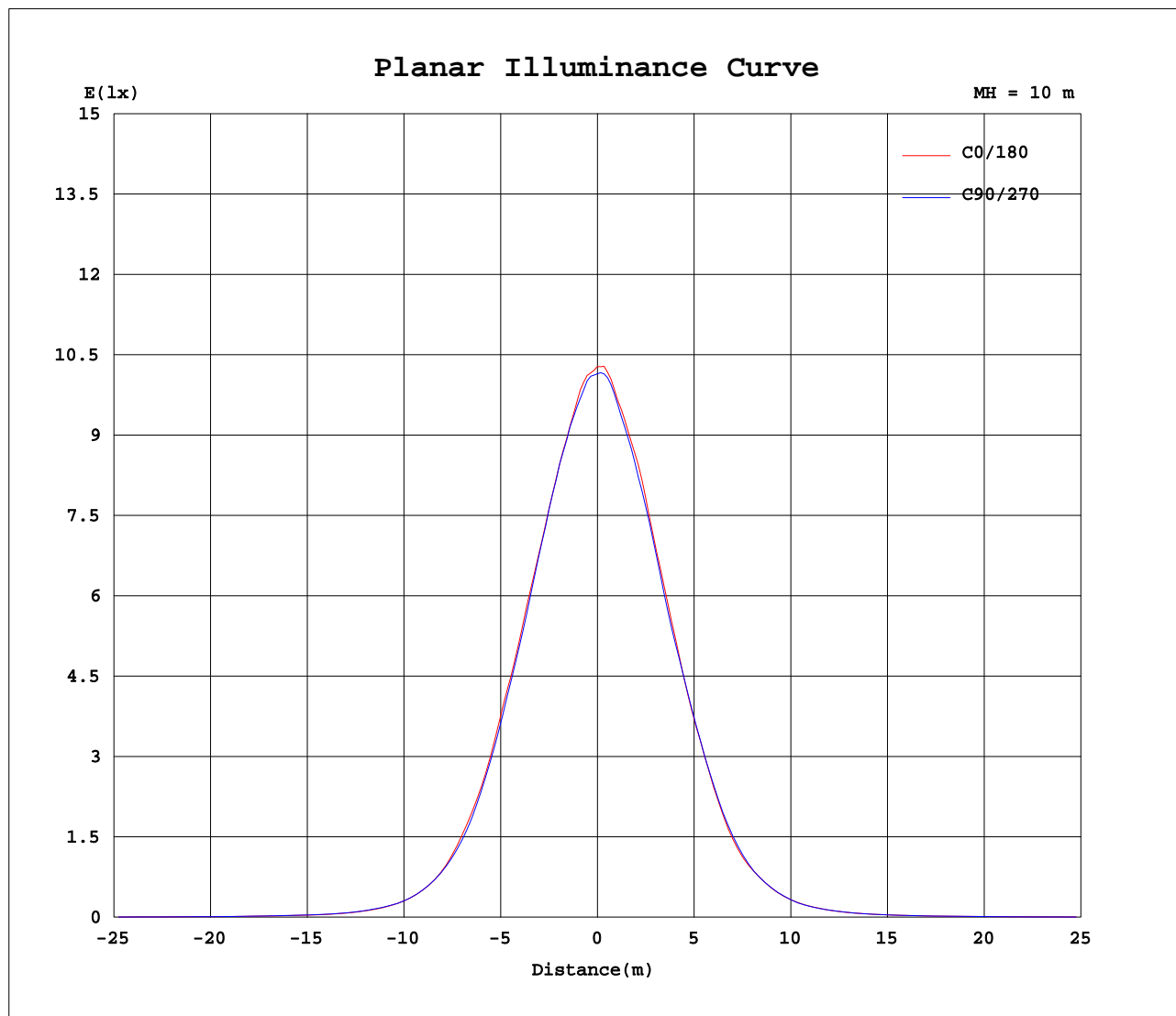
Test:U:226.5V I:0.0440A P:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:8.510W PF:0.8390 Lamp Flux:888.434x1 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	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017
5	986	989	988	984	986	983	983	984	985	985	988	992	986	987	991	990	992	987	991
10	903	909	908	908	910	913	912	913	911	913	913	913	918	923	924	919	920	915	917
15	806	816	816	821	816	817	812	815	805	815	812	823	823	825	832	826	825	817	823
20	695	711	701	704	700	698	688	689	688	693	689	695	699	704	710	698	705	688	691
25	564	575	574	580	571	564	555	561	551	558	554	557	555	562	569	562	567	558	565
30	410	420	417	419	415	413	406	409	403	410	401	413	415	411	424	419	428	416	423
35	276	277	276	273	265	265	263	265	260	265	259	263	263	268	278	268	274	269	277
40	156	162	163	161	156	159	158	159	157	160	154	157	164	162	170	165	165	161	166
45	85.7	92.6	91.8	89.0	85.3	88.7	86.9	88.4	88.0	91.0	86.6	89.1	91.8	94.9	101	93.4	93.5	91.1	92.9
50	46.2	48.2	48.0	47.8	46.6	46.3	48.8	48.1	49.1	48.7	48.2	51.0	51.0	50.2	55.3	52.2	50.9	49.2	52.0
55	25.6	26.2	28.0	27.5	27.6	26.9	27.9	27.5	27.5	27.4	29.8	29.3	29.1	28.6	31.0	29.3	30.9	28.4	29.7
60	17.7	18.0	18.8	19.0	18.9	18.5	18.7	18.4	18.2	18.2	19.5	19.2	19.3	18.8	20.2	19.2	19.5	18.8	19.3
65	12.4	12.6	12.4	13.0	13.0	13.1	12.9	12.8	12.7	12.9	13.2	13.2	13.0	13.0	13.2	12.9	13.4	12.8	13.1
70	8.78	8.66	8.65	8.96	9.03	9.21	9.07	8.93	8.98	8.97	9.18	9.10	9.03	9.07	8.92	8.86	9.23	8.95	8.91
75	6.13	6.00	5.92	6.17	6.32	6.42	6.33	6.18	6.19	6.21	6.24	6.13	6.19	6.19	6.11	6.14	6.40	6.22	6.28
80	3.92	3.93	3.82	5.85	5.66	4.19	4.08	4.00	3.98	4.10	4.91	3.93	4.03	3.99	4.01	5.20	5.09	4.14	4.18
85	2.33	2.36	2.30	3.59	3.56	2.45	2.44	2.41	2.39	2.50	2.94	2.27	2.45	2.43	2.45	3.21	3.42	2.57	2.61
90	1.52	1.54	1.53	1.78	1.98	1.62	1.66	1.63	1.65	1.84	1.78	1.50	1.75	1.76	1.76	1.98	2.22	1.87	1.86
95	1.54	1.56	1.55	1.80	1.91	1.65	1.66	1.66	1.64	1.99	1.77	1.55	1.84	1.84	1.84	2.06	2.24	1.93	1.94
100	1.65	1.68	1.67	1.97	2.06	1.77	1.77	1.77	1.76	2.28	2.07	1.66	1.99	1.99	1.99	2.26	2.48	2.08	2.08
105	1.84	1.85	1.85	2.16	2.33	1.94	1.94	1.95	1.94	2.39	2.18	1.84	2.19	2.17	2.19	2.50	2.81	2.27	2.27
110	2.09	2.10	2.10	2.56	2.60	2.19	2.19	2.20	2.20	2.80	2.60	2.09	2.44	2.43	2.45	2.85	3.00	2.53	2.52
115	2.41	2.42	2.43	2.76	3.09	2.52	2.51	2.52	2.53	2.93	2.83	2.41	2.76	2.75	2.76	3.06	3.33	2.85	2.82
120	2.81	2.82	2.83	3.27	3.22	2.91	2.92	2.91	2.93	3.35	3.08	2.82	3.14	3.13	3.15	3.52	3.52	3.22	3.20
125	3.29	3.29	3.30	3.56	3.72	3.38	3.39	3.37	3.40	3.63	3.43	3.29	3.57	3.56	3.58	3.77	3.92	3.64	3.62
130	3.79	3.80	3.81	3.93	4.02	3.89	3.89	3.88	3.92	4.04	3.89	3.80	4.03	4.04	4.04	4.17	4.26	4.10	4.08
135	4.32	4.33	4.34	4.43	4.50	4.41	4.41	4.41	4.44	4.54	4.38	4.33	4.52	4.51	4.53	4.61	4.71	4.58	4.56
140	4.83	4.84	4.85	4.92	4.99	4.93	4.92	4.91	4.96	5.02	4.88	4.86	4.99	4.99	5.00	5.07	5.16	5.05	5.03
145	5.29	5.30	5.32	5.40	5.46	5.39	5.38	5.38	5.42	5.50	5.36	5.32	5.43	5.43	5.44	5.50	5.59	5.50	5.47
150	5.68	5.69	5.70	5.84	5.87	5.76	5.76	5.78	5.80	5.91	5.81	5.71	5.80	5.78	5.80	5.87	5.97	5.85	5.84
155	5.98	5.99	6.00	6.12	6.07	6.01	6.04	6.05	6.07	6.17	6.09	6.01	6.08	6.07	6.08	6.12	6.20	6.12	6.11
160	6.19	6.22	6.22	6.22	6.21	6.22	6.23	6.23	6.23	6.23	6.22	6.22	6.29	6.27	6.30	6.28	6.30	6.28	6.30
165	6.35	6.39	6.38	6.39	6.38	6.40	6.40	6.41	6.40	6.39	6.39	6.39	6.45	6.43	6.46	6.44	6.45	6.43	6.45
170	6.53	6.55	6.55	6.55	6.55	6.56	6.56	6.57	6.56	6.55	6.54	6.56	6.60	6.59	6.61	6.58	6.61	6.57	6.61
175	6.68	6.70	6.69	6.70	6.69	6.71	6.70	6.71	6.70	6.69	6.68	6.70	6.72	6.70	6.72	6.71	6.73	6.71	6.73
180	6.79	6.82	6.81	6.81	6.81	6.82	6.82	6.82	6.81	6.80	6.81	6.82	6.80	6.79	6.81	6.80	6.81	6.80	6.82

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:8.510W PF:0.8390 Lamp Flux:888.434x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	1017	1017	1017	1017	1017													
5	990	994	988	987	985													
10	904	908	900	900	898													
15	806	810	804	809	808													
20	685	689	689	698	690													
25	563	565	559	568	564													
30	414	423	416	419	409													
35	268	277	270	276	269													
40	159	163	159	161	154													
45	90.1	92.5	88.9	87.7	85.3													
50	49.0	51.6	48.2	47.1	46.4													
55	27.6	27.7	26.1	27.5	26.2													
60	18.6	18.3	17.6	18.3	17.5													
65	12.4	12.3	12.2	12.6	12.4													
70	8.57	8.61	8.65	8.86	8.89													
75	6.00	6.14	6.12	6.37	6.19													
80	4.04	4.19	4.18	5.65	4.06													
85	2.59	2.65	2.71	3.91	2.52													
90	1.86	1.88	2.07	2.02	1.76													
95	1.93	1.96	2.27	2.07	1.83													
100	2.07	2.11	2.56	2.37	1.98													
105	2.26	2.30	2.70	2.55	2.17													
110	2.51	2.54	3.03	2.85	2.43													
115	2.81	2.85	3.19	3.21	2.76													
120	3.19	3.22	3.60	3.36	3.13													
125	3.62	3.65	3.80	3.67	3.56													
130	4.08	4.11	4.18	4.09	4.03													
135	4.56	4.60	4.65	4.56	4.52													
140	5.03	5.08	5.13	5.03	5.00													
145	5.47	5.53	5.55	5.47	5.44													
150	5.82	5.88	5.96	5.90	5.81													
155	6.08	6.13	6.25	6.19	6.10													
160	6.28	6.31	6.30	6.32	6.30													
165	6.44	6.48	6.45	6.48	6.46													
170	6.59	6.61	6.58	6.61	6.60													
175	6.71	6.73	6.70	6.73	6.72													
180	6.81	6.82	6.80	6.82	6.82													

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: