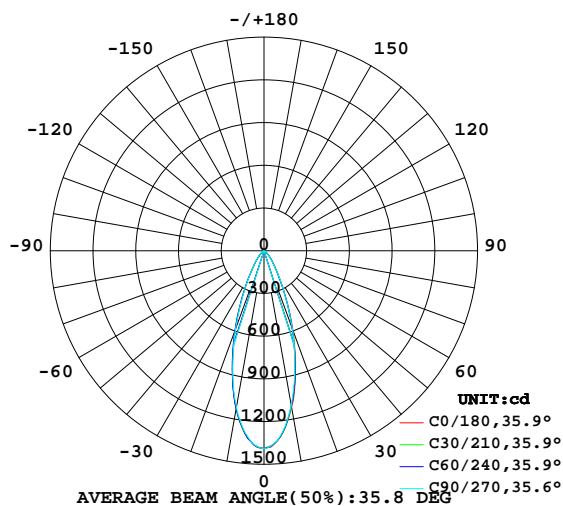


## LUMINAIRE PHOTOMETRIC TEST REPORT

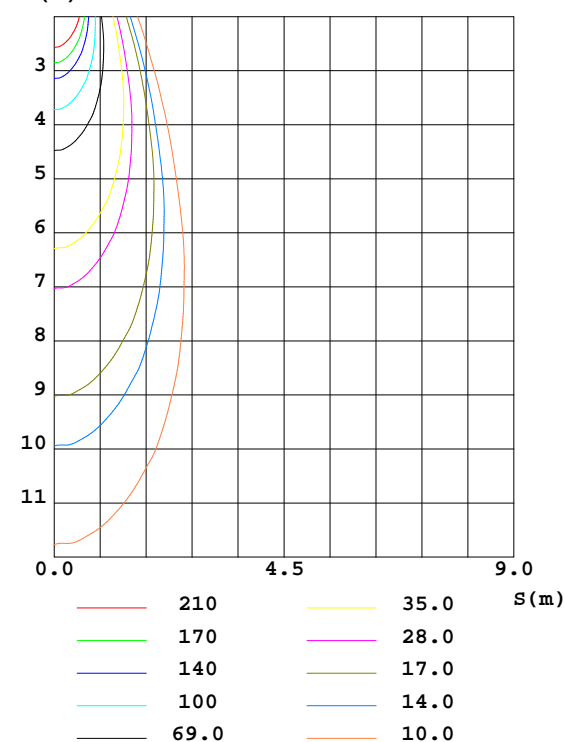
Test:U:226.5V I:0.0440A P:8.510W PF:0.8390 Lamp Flux:686.333x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.65 lm/W			
MODEL	M022-9W-927-S-38	Imax(cd)	1389	S/MH(C0/180)	0.59
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	686.34	η UP,DN(C0-180)	1.2,48.7
NOMINAL FLUX(lm)	686.333	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,48.8
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	226.5	η down(%)	97.5	CIBSE SHR MAX	0.60

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1117	1117	1103	1117	1129	1117	1116	1116	0- 10	119.0	119.0	17.3,17.3
20	589.0	599.7	582.3	577.4	586.7	578.5	585.7	580.6	10- 20	233.0	352.0	51.3,51.3
30	214.4	219.3	210.1	207.6	212.5	206.1	208.2	211.0	20- 30	168.2	520.2	75.8,75.8
40	78.74	75.53	73.40	72.16	71.25	73.09	71.80	74.49	30- 40	79.18	599.4	87.3,87.3
50	30.87	31.46	27.12	26.27	25.85	26.98	28.27	29.74	40- 50	36.87	636.3	92.7,92.7
60	13.71	13.02	12.92	11.07	11.57	12.39	12.49	12.73	50- 60	16.65	652.9	95.1,95.1
70	6.765	6.761	6.509	6.164	6.068	6.401	6.124	6.562	60- 70	9.034	661.9	96.4,96.4
80	3.014	3.033	3.040	2.978	2.904	2.937	2.988	3.121	70- 80	4.993	666.9	97.2,97.2
90	1.134	1.122	1.224	1.216	1.391	1.420	1.441	1.447	80- 90	2.299	669.2	97.5,97.5
100	1.113	1.124	1.208	1.211	1.522	1.491	1.571	1.543	90-100	1.520	670.8	97.7,97.7
110	1.329	1.351	1.417	1.447	1.749	1.731	1.786	1.757	100-110	1.623	672.4	98,98
120	1.921	1.931	2.002	2.034	2.241	2.222	2.263	2.238	110-120	1.890	674.3	98.2,98.2
130	2.864	2.864	2.945	2.963	3.077	3.062	3.095	3.075	120-130	2.303	676.6	98.6,98.6
140	3.892	3.903	3.984	4.004	4.051	4.032	4.072	4.056	130-140	2.712	679.3	99,99
150	4.702	4.721	4.771	4.795	4.818	4.804	4.840	4.827	140-150	2.782	682.1	99.4,99.4
160	5.079	5.101	5.103	5.119	5.178	5.152	5.166	5.158	150-160	2.318	684.4	99.7,99.7
170	5.125	5.131	5.141	5.140	5.194	5.183	5.179	5.189	160-170	1.461	685.8	99.9,99.9
180	5.262	5.253	5.250	5.254	5.262	5.255	5.246	5.256	170-180	0.4940	686.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

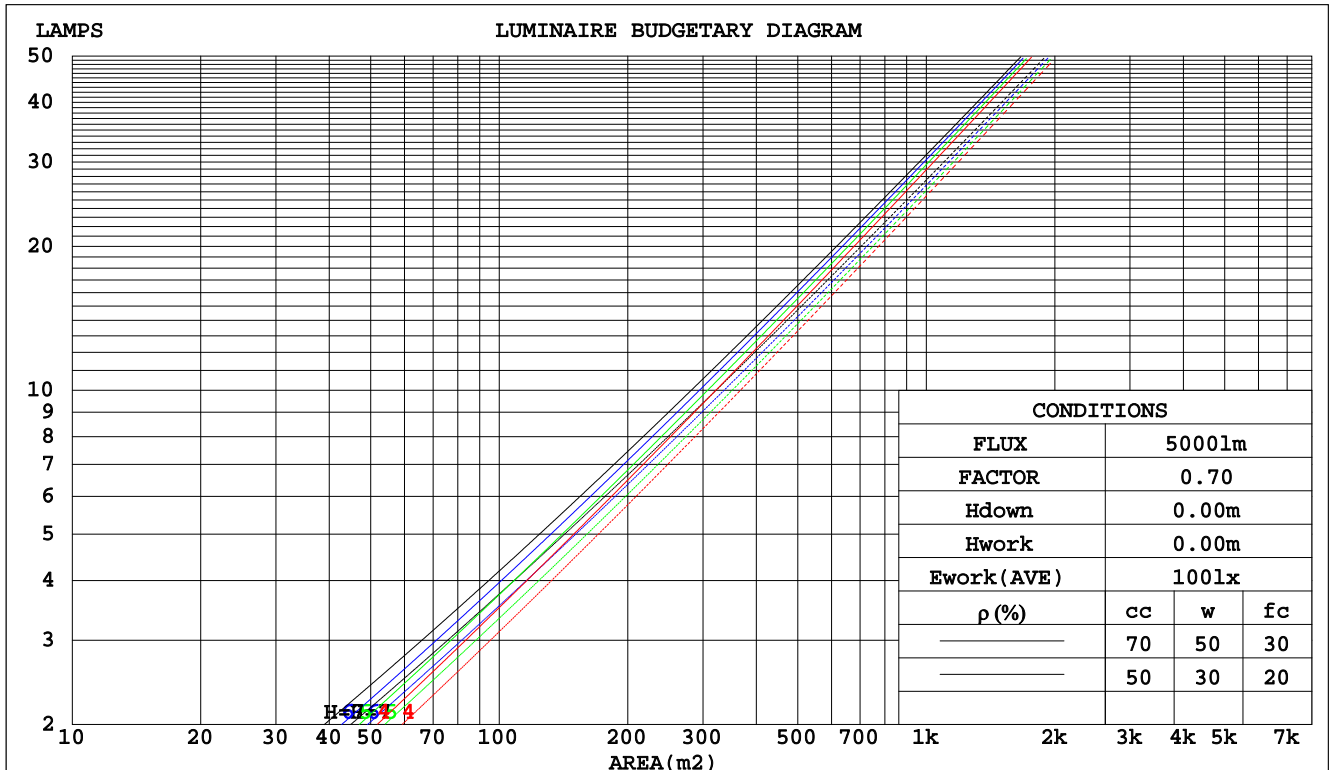
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:0.0440A P:8.510W PF:0.8390 Lamp Flux:686.333x1 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	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.10	1.08	1.05	1.08	1.06	1.03	1.03	1.01	.00	.99	.98	.96	.95	.94	.93	.91
2.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.92	.94	.91	.89	.91	.89	.87	.85
3.0	.96	.91	.88	.95	.90	.87	.92	.88	.85	.89	.86	.83	.86	.84	.82	.80
4.0	.90	.85	.81	.89	.84	.81	.87	.83	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.85	.80	.76	.84	.79	.75	.82	.78	.74	.80	.77	.74	.79	.75	.73	.71
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.69	.75	.72	.69	.67
7.0	.77	.71	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.72	.68	.65	.64
8.0	.73	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.59	.58
10.0	.66	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.63	.59	.57	.55



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:686.333x1 lm					
NAME:		TYPE:		WEIGHT:	
DIM.:		SPEC.:		SERIAL No.:	
MFR.: Rayconn		SUR.:		PROTECTION ANGLE:	

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.179	.102	.032	.171	.098	.031	.157	.090	.029	.144	.083	.027	.132	.077	.025	
2.0	.168	.092	.028	.162	.089	.027	.150	.083	.026	.139	.078	.024	.129	.073	.023	
3.0	.158	.084	.025	.153	.082	.025	.142	.077	.023	.133	.073	.022	.124	.069	.021	
4.0	.149	.077	.023	.144	.076	.022	.135	.072	.021	.127	.068	.021	.120	.065	.020	
5.0	.141	.072	.021	.137	.070	.020	.129	.067	.020	.122	.064	.019	.115	.061	.018	
6.0	.133	.067	.019	.130	.066	.019	.123	.063	.018	.117	.061	.018	.111	.058	.017	
7.0	.127	.063	.018	.124	.062	.018	.117	.059	.017	.112	.057	.017	.106	.055	.016	
8.0	.121	.059	.017	.118	.058	.016	.112	.056	.016	.107	.054	.016	.102	.053	.015	
9.0	.115	.056	.016	.113	.055	.015	.108	.053	.015	.103	.052	.015	.099	.050	.014	
10.0	.110	.053	.015	.108	.052	.015	.103	.051	.014	.099	.049	.014	.095	.048	.014	

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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.176	.164	.163	.151	.141	.111	.104	.098	.064	.060	.057	.021	.019	.018	
2.0	.175	.152	.132	.150	.131	.114	.103	.090	.080	.059	.053	.047	.019	.017	.015	
3.0	.162	.133	.109	.139	.115	.095	.096	.080	.067	.055	.047	.039	.018	.015	.013	
4.0	.152	.118	.093	.130	.102	.081	.089	.071	.057	.052	.042	.034	.017	.014	.011	
5.0	.143	.107	.080	.122	.092	.070	.084	.064	.049	.049	.038	.029	.016	.012	.010	
6.0	.135	.097	.070	.116	.084	.061	.080	.059	.043	.046	.035	.026	.015	.011	.008	
7.0	.128	.090	.063	.110	.078	.055	.076	.054	.039	.044	.032	.023	.014	.010	.008	
8.0	.122	.083	.057	.105	.072	.049	.073	.051	.035	.042	.030	.021	.014	.010	.007	
9.0	.117	.078	.052	.100	.068	.045	.070	.048	.032	.041	.028	.019	.013	.009	.006	
10.0	.112	.073	.048	.096	.064	.042	.067	.045	.030	.039	.027	.018	.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:686.333x1 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	20.3	21.2	20.6	21.4	21.6	19.9	20.7	20.1	20.9	21.1
	3H	20.6	21.4	20.9	21.6	21.9	20.1	20.9	20.4	21.2	21.4
	4H	20.7	21.5	21.0	21.7	22.0	20.3	21.1	20.6	21.3	21.6
	6H	20.8	21.5	21.1	21.8	22.1	20.5	21.2	20.8	21.5	21.8
	8H	20.8	21.5	21.2	21.8	22.1	20.6	21.3	20.9	21.6	21.9
	12H	20.9	21.5	21.2	21.9	22.2	20.6	21.3	21.0	21.6	21.9
4H	2H	20.3	21.1	20.6	21.4	21.6	19.9	20.6	20.2	20.9	21.2
	3H	20.7	21.4	21.1	21.7	22.0	20.3	21.0	20.6	21.3	21.6
	4H	20.9	21.5	21.3	21.9	22.2	20.6	21.2	21.0	21.5	21.9
	6H	21.1	21.6	21.5	22.0	22.4	21.0	21.5	21.4	21.9	22.3
	8H	21.2	21.7	21.6	22.1	22.5	21.2	21.7	21.6	22.1	22.5
	12H	21.2	21.7	21.7	22.1	22.6	21.3	21.8	21.8	22.2	22.6
8H	4H	20.9	21.4	21.3	21.8	22.2	20.6	21.1	21.1	21.5	21.9
	6H	21.2	21.6	21.7	22.0	22.5	21.2	21.6	21.7	22.1	22.5
	8H	21.3	21.7	21.8	22.2	22.6	21.5	21.9	22.0	22.3	22.8
	12H	21.5	21.8	22.0	22.3	22.8	21.8	22.1	22.3	22.6	23.1
12H	4H	20.9	21.4	21.4	21.8	22.2	20.6	21.1	21.0	21.5	21.9
	6H	21.2	21.6	21.7	22.0	22.5	21.2	21.6	21.7	22.0	22.5
	8H	21.4	21.7	21.9	22.2	22.7	21.6	21.9	22.1	22.4	22.9
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 1.7					+ 1.1 / - 1.4				
1.5H		+ 2.0 / - 1.5					+ 1.6 / - 1.2				
2.0H		+ 2.3 / - 1.2					+ 1.9 / - 0.9				

CIE Pub.117 Corrected 686.3 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:8.510W PF:0.8390 Lamp Flux:686.333x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

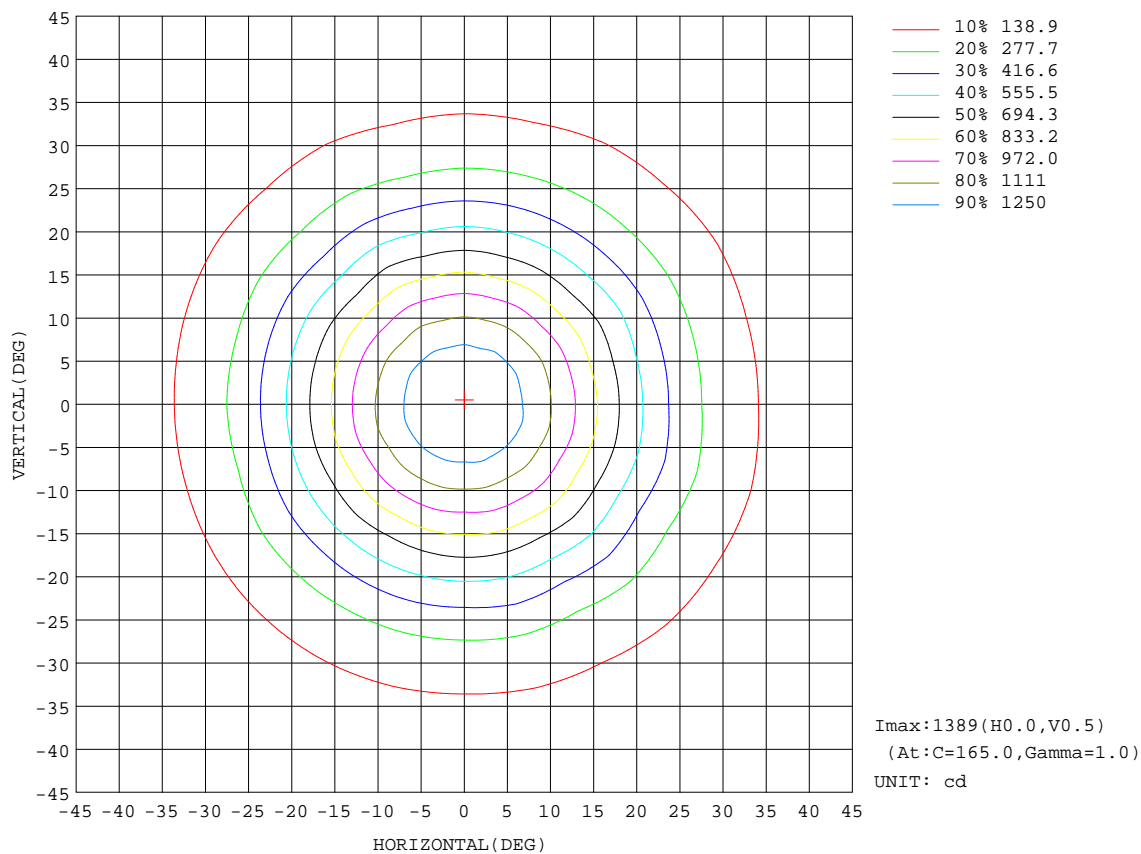
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	73	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	96	90	86	95	89	86	93	89	85	81
1.25	100	95	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	99	95	92	87
2.00	106	102	98	105	101	97	102	98	96	90
2.50	108	104	101	107	103	100	103	100	98	91
3.00	110	106	103	108	105	102	104	102	99	92
4.00	112	109	107	110	107	105	106	104	102	94
5.00	114	111	109	111	109	107	107	105	104	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:8.510W PF:0.8390 Lamp Flux:686.333x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



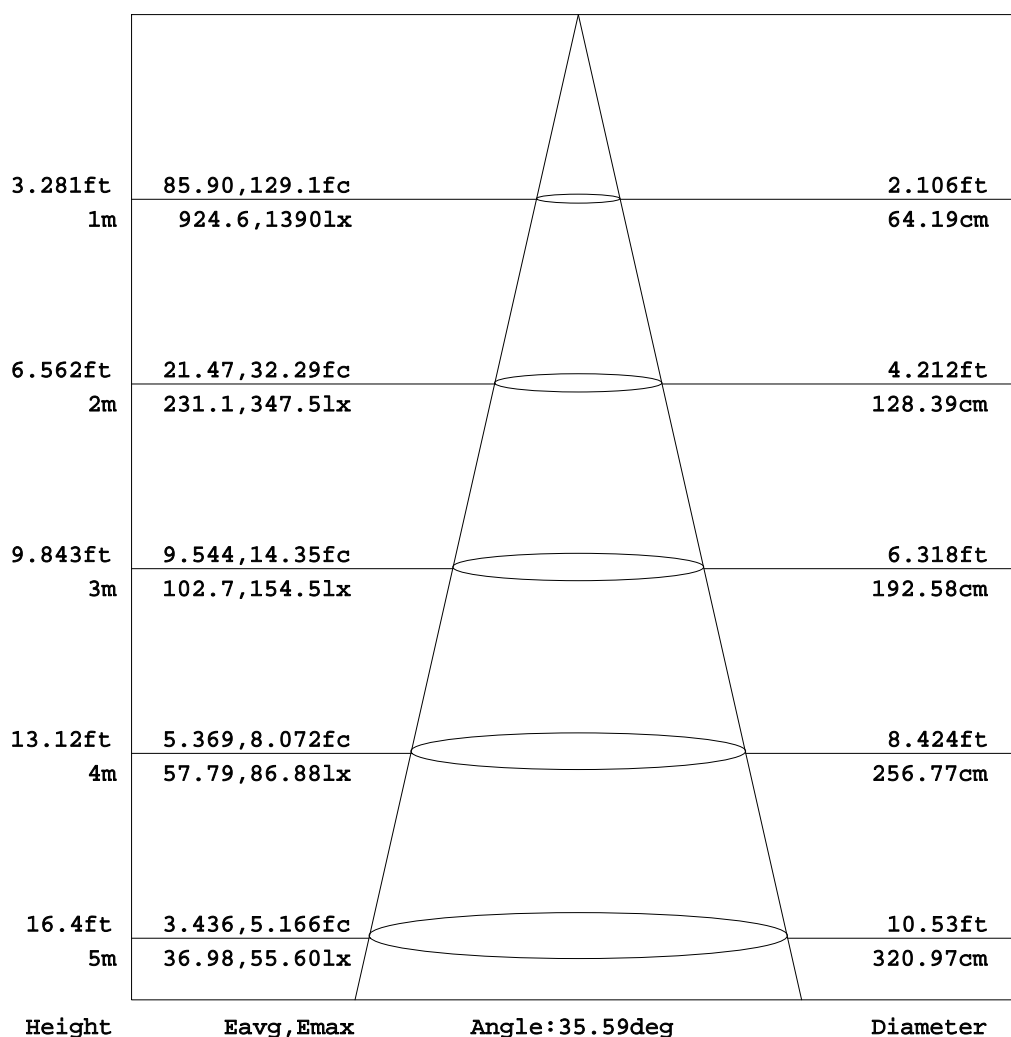
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:686.333x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:306.7 lm



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

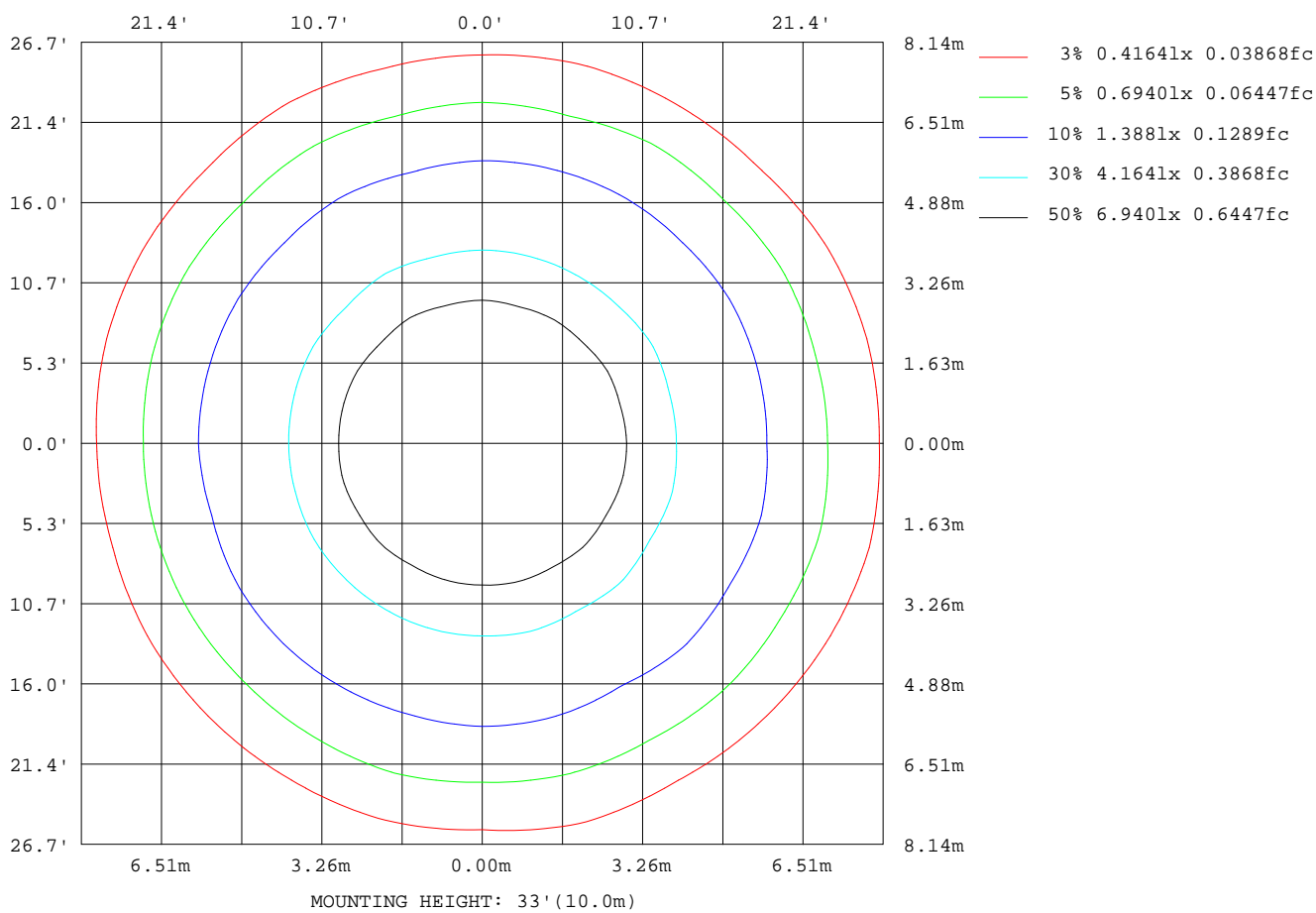
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

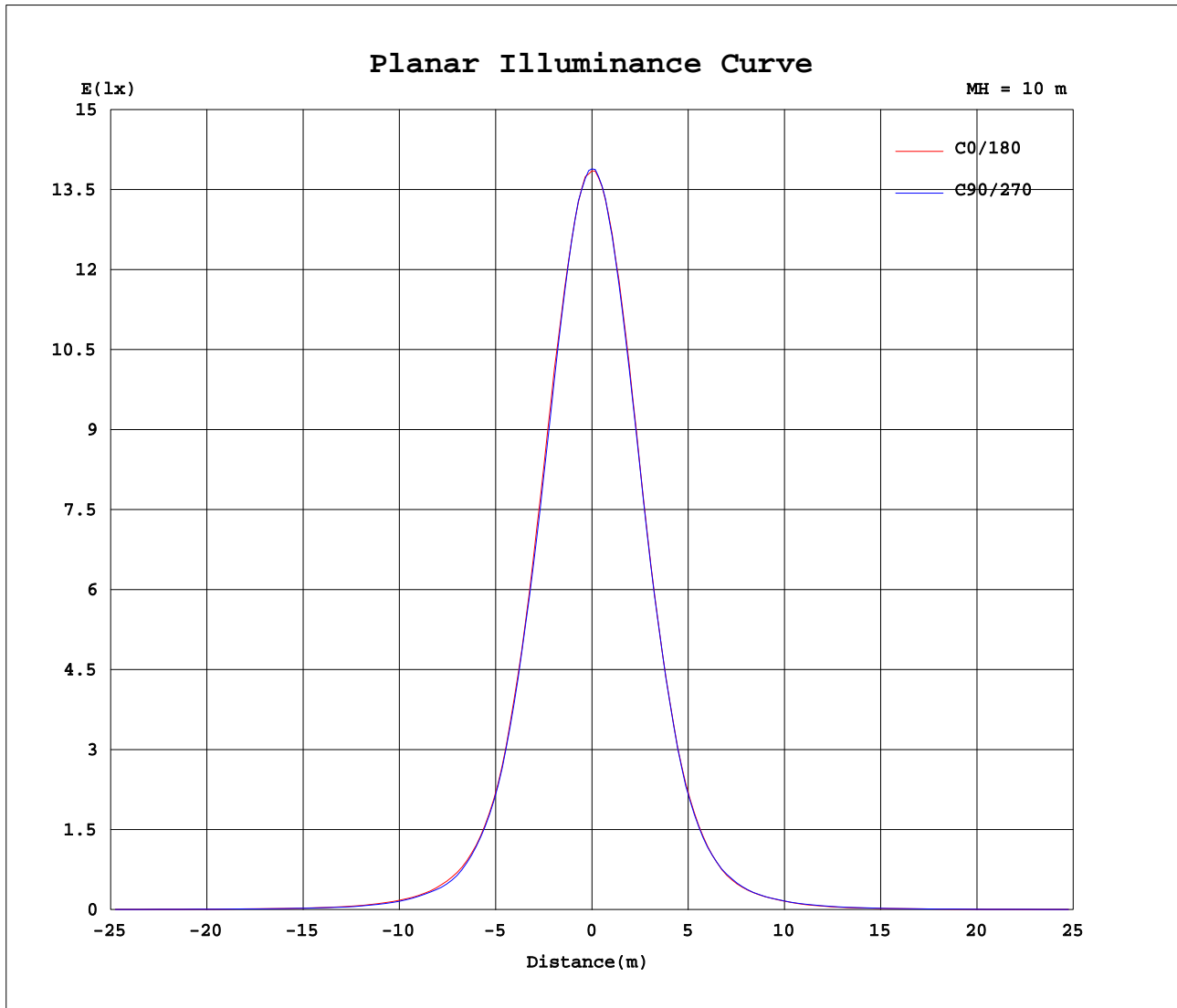
Test:U:226.5V I:0.0440A P:8.510W PF:0.8390 Lamp Flux:686.333x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:686.333x1 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	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388
5	1312	1321	1312	1317	1314	1311	1308	1313	1309	1321	1316	1318	1319	1316	1315	1318	1322	1314	1311
10	1117	1123	1111	1117	1106	1107	1103	1108	1109	1117	1115	1130	1129	1123	1127	1117	1128	1110	1116
15	859	860	847	862	847	848	837	841	835	848	845	857	857	860	858	850	864	844	851
20	589	598	587	600	580	584	582	577	575	577	581	585	587	587	594	579	601	576	586
25	362	382	359	378	354	371	355	359	356	357	365	356	362	363	367	353	367	353	357
30	214	225	215	219	201	208	210	203	206	208	208	201	212	212	211	206	212	201	208
35	127	132	127	127	121	121	117	122	117	115	117	117	117	121	122	119	122	117	121
40	78.7	82.6	79.5	75.5	73.6	76.5	73.4	72.9	71.5	72.2	71.8	68.9	71.3	74.0	73.0	73.1	73.8	72.7	71.8
45	50.1	51.1	50.1	46.9	46.2	46.7	44.5	47.4	43.7	46.1	42.7	44.6	45.6	47.1	45.9	44.5	44.8	46.1	46.2
50	30.9	31.7	31.9	31.5	27.3	28.2	27.1	27.0	25.8	26.3	26.3	25.1	25.8	27.4	28.7	27.0	26.7	28.5	28.3
55	19.4	19.8	19.3	18.9	17.7	18.3	17.7	15.9	15.8	15.3	17.0	15.9	16.3	16.9	17.5	17.2	18.1	18.7	17.5
60	13.7	14.0	13.3	13.0	12.6	12.4	12.9	11.7	11.6	11.1	11.4	11.2	11.6	11.7	12.3	12.4	12.8	12.5	12.5
65	9.65	9.78	9.72	9.36	9.09	9.10	9.35	8.96	8.65	8.26	8.34	8.29	8.40	8.36	9.01	8.88	8.99	8.68	8.77
70	6.76	6.92	6.76	6.76	6.50	6.69	6.51	6.67	6.41	6.16	6.16	6.06	6.07	6.13	6.24	6.40	6.41	6.23	6.12
75	4.71	4.79	4.61	4.67	4.69	4.75	4.58	4.74	4.54	4.45	4.38	4.35	4.34	4.31	4.34	4.46	4.49	4.45	4.35
80	3.01	3.10	2.98	3.03	4.32	4.50	3.04	3.09	2.99	2.98	2.99	3.90	2.90	2.92	2.92	2.94	3.76	3.71	2.99
85	1.73	1.79	1.75	1.74	2.59	2.76	1.80	1.83	1.80	1.79	1.88	2.29	1.85	1.85	1.84	1.83	2.30	2.43	1.89
90	1.13	1.11	1.13	1.12	1.35	1.45	1.22	1.24	1.24	1.22	1.43	1.38	1.39	1.40	1.38	1.42	1.60	1.74	1.44
95	1.11	1.11	1.11	1.11	1.34	1.41	1.19	1.22	1.20	1.20	1.46	1.38	1.45	1.44	1.44	1.43	1.70	1.72	1.50
100	1.11	1.12	1.11	1.12	1.36	1.48	1.21	1.22	1.21	1.21	1.55	1.39	1.52	1.50	1.51	1.49	1.71	1.89	1.57
105	1.18	1.19	1.18	1.20	1.42	1.60	1.27	1.29	1.26	1.29	1.65	1.50	1.62	1.60	1.61	1.59	1.83	2.07	1.66
110	1.33	1.35	1.33	1.35	1.62	1.88	1.42	1.43	1.42	1.45	1.84	1.74	1.75	1.74	1.74	1.73	2.05	2.23	1.79
115	1.58	1.58	1.58	1.59	1.90	1.99	1.67	1.68	1.67	1.69	2.01	1.96	1.95	1.94	1.94	1.93	2.31	2.34	1.98
120	1.92	1.93	1.92	1.93	2.19	2.30	2.00	2.01	2.01	2.03	2.28	2.24	2.24	2.23	2.23	2.22	2.50	2.54	2.26
125	2.36	2.37	2.36	2.37	2.56	2.62	2.44	2.44	2.45	2.47	2.64	2.55	2.62	2.61	2.60	2.59	2.79	2.81	2.64
130	2.86	2.85	2.85	2.86	2.96	3.02	2.94	2.94	2.95	2.96	3.09	2.97	3.08	3.07	3.06	3.06	3.18	3.17	3.09
135	3.40	3.38	3.39	3.39	3.47	3.52	3.47	3.47	3.47	3.49	3.61	3.46	3.57	3.56	3.55	3.56	3.60	3.65	3.59
140	3.89	3.89	3.89	3.90	3.96	4.01	3.98	3.98	3.97	4.00	4.07	3.96	4.05	4.04	4.03	4.03	4.07	4.13	4.07
145	4.34	4.35	4.34	4.36	4.47	4.49	4.43	4.41	4.42	4.44	4.51	4.42	4.48	4.47	4.45	4.47	4.50	4.56	4.50
150	4.70	4.71	4.70	4.72	4.87	4.91	4.77	4.77	4.76	4.79	4.89	4.84	4.82	4.81	4.80	4.80	4.90	4.94	4.84
155	4.95	4.96	4.95	4.97	4.97	5.10	5.01	5.00	4.99	5.02	5.12	5.09	5.06	5.04	5.03	5.04	5.14	5.17	5.08
160	5.08	5.09	5.08	5.10	5.10	5.10	5.10	5.11	5.09	5.12	5.12	5.13	5.18	5.17	5.16	5.15	5.17	5.15	5.17
165	5.12	5.12	5.11	5.12	5.14	5.13	5.14	5.14	5.14	5.14	5.15	5.14	5.19	5.19	5.18	5.19	5.18	5.18	5.18
170	5.12	5.12	5.11	5.13	5.14	5.13	5.14	5.14	5.14	5.14	5.15	5.15	5.19	5.19	5.17	5.18	5.18	5.18	5.18
175	5.16	5.17	5.14	5.16	5.16	5.16	5.15	5.16	5.16	5.17	5.18	5.19	5.21	5.20	5.19	5.19	5.20	5.18	5.19
180	5.26	5.25	5.25	5.25	5.26	5.24	5.25	5.25	5.25	5.25	5.26	5.27	5.26	5.26	5.24	5.26	5.26	5.25	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:8.510W PF:0.8390 Lamp Flux:686.333x1 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	1388	1388	1388	1388	1388														
5	1304	1313	1312	1320	1313														
10	1113	1119	1116	1125	1115														
15	839	848	842	854	847														
20	580	582	581	606	586														
25	358	357	360	369	362														
30	209	212	211	218	215														
35	117	125	123	128	125														
40	74.8	72.6	74.5	79.0	80.0														
45	44.0	47.8	47.6	52.2	50.5														
50	29.1	30.0	29.7	32.2	31.3														
55	17.9	18.7	18.8	19.9	18.9														
60	12.2	13.0	12.7	13.4	13.2														
65	8.79	9.15	9.21	9.51	9.32														
70	6.36	6.53	6.56	6.83	6.47														
75	4.48	4.63	4.64	4.79	4.67														
80	2.99	3.11	3.12	3.18	4.43														
85	1.90	1.95	1.95	1.99	2.98														
90	1.44	1.44	1.45	1.55	1.59														
95	1.48	1.49	1.48	1.73	1.73														
100	1.55	1.55	1.54	1.83	1.69														
105	1.63	1.64	1.63	1.88	1.74														
110	1.75	1.76	1.76	1.98	1.91														
115	1.96	1.95	1.96	2.21	2.07														
120	2.23	2.23	2.24	2.39	2.31														
125	2.61	2.60	2.61	2.72	2.65														
130	3.07	3.07	3.08	3.14	3.08														
135	3.56	3.55	3.57	3.62	3.55														
140	4.05	4.04	4.06	4.11	4.04														
145	4.48	4.47	4.49	4.57	4.47														
150	4.81	4.82	4.83	4.93	4.85														
155	5.05	5.05	5.06	5.22	5.13														
160	5.16	5.16	5.16	5.18	5.16														
165	5.19	5.18	5.19	5.19	5.18														
170	5.18	5.18	5.19	5.19	5.18														
175	5.19	5.20	5.20	5.21	5.20														
180	5.25	5.25	5.26	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  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:6.590m [K=1.0000]  
Remarks: