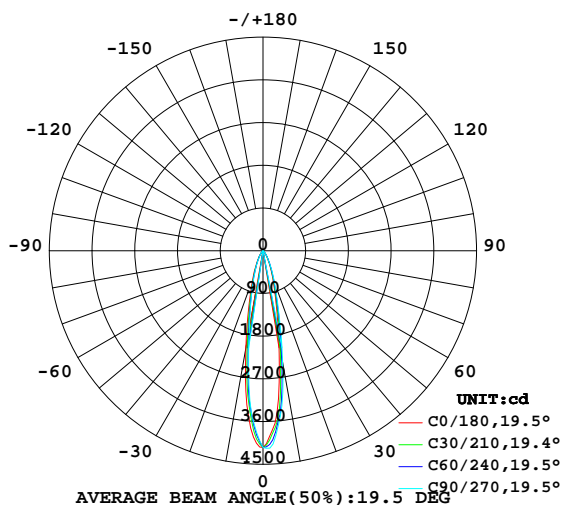


## LUMINAIRE PHOTOMETRIC TEST REPORT

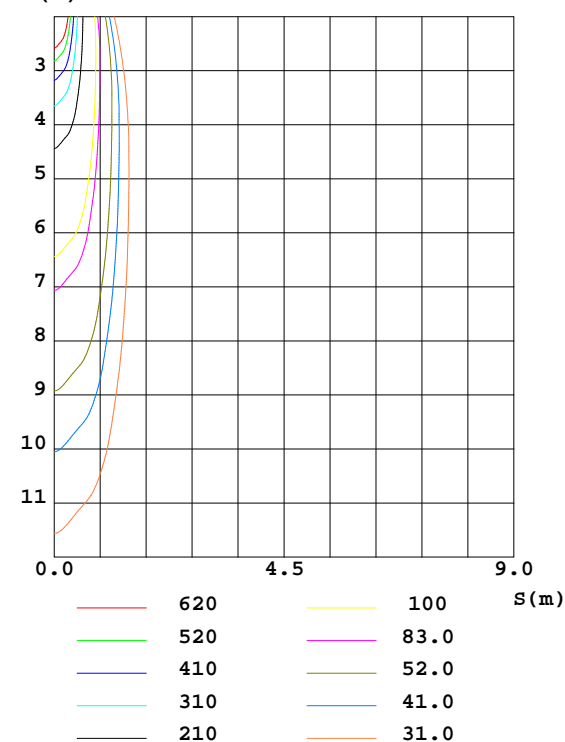
Test:U:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.51 lm/W			
MODEL	M022-9W-840-S-16	Imax(cd)	4183	S/MH(C0/180)	0.32
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	928.66	η UP,DN(C0-180)	1.2,52.9
NOMINAL FLUX(lm)	928.662	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,44.5
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	226.4	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: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	1923	2258	2380	2386	2082	1775	1664	1680	0- 10	280.4	280.4	30.2,30.2
20	592.2	651.8	698.2	698.9	636.9	557.5	531.1	533.6	10- 20	307.5	587.8	63.3,63.3
30	202.6	228.7	234.2	234.2	208.0	188.8	179.7	181.7	20- 30	168.1	755.9	81.4,81.4
40	75.34	83.58	81.40	79.15	71.77	67.71	66.32	69.54	30- 40	79.90	835.8	90,90
50	25.52	28.53	29.24	27.35	24.97	23.92	24.89	24.03	40- 50	35.82	871.6	93.9,93.9
60	10.97	11.25	11.74	11.31	11.28	11.45	12.40	11.35	50- 60	15.30	886.9	95.5,95.5
70	6.725	6.806	6.847	6.604	6.578	6.928	7.671	7.039	60- 70	8.791	895.7	96.5,96.5
80	3.838	4.103	4.107	3.907	3.909	3.890	3.772	3.703	70- 80	5.775	901.5	97.1,97.1
90	1.773	1.982	1.932	1.862	2.152	2.147	2.050	2.053	80- 90	3.211	904.7	97.4,97.4
100	1.505	1.519	1.423	1.414	2.267	2.264	2.169	2.170	90-100	2.177	906.9	97.7,97.7
110	1.895	1.872	1.711	1.726	2.457	2.477	2.402	2.390	100-110	2.158	909.0	97.9,97.9
120	2.595	2.557	2.364	2.381	2.934	3.020	2.972	2.975	110-120	2.446	911.5	98.1,98.1
130	4.034	3.881	3.659	3.677	4.164	4.384	4.370	4.380	120-130	3.010	914.5	98.5,98.5
140	5.894	5.854	5.573	5.606	5.945	6.125	6.088	6.127	130-140	3.905	918.4	98.9,98.9
150	6.945	6.914	6.766	6.808	7.033	7.086	7.052	7.097	140-150	4.118	922.5	99.3,99.3
160	7.390	7.365	7.331	7.367	7.453	7.458	7.446	7.458	150-160	3.349	925.9	99.7,99.7
170	7.411	7.435	7.427	7.409	7.481	7.465	7.359	7.362	160-170	2.112	928.0	99.9,99.9
180	7.250	7.236	7.154	7.102	7.252	7.243	7.156	7.102	170-180	0.6951	928.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

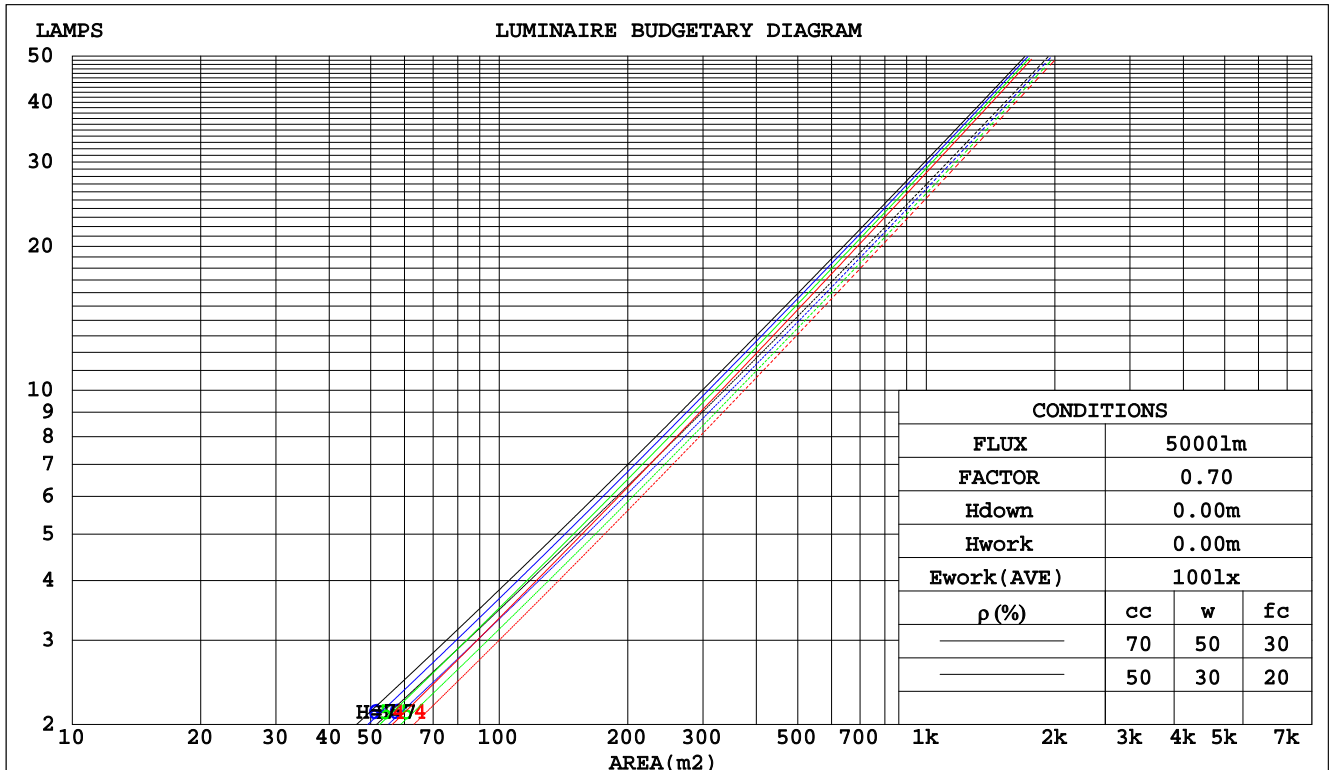
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.02	1.01	.00	.99	.98	.96	.95	.94	.92
2.0	1.04	1.01	.98	1.03	.99	.97	.99	.96	.94	.96	.94	.92	.93	.91	.89	.88
3.0	.99	.95	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.94	.89	.86	.93	.88	.85	.90	.87	.84	.88	.85	.82	.86	.83	.81	.80
5.0	.90	.85	.81	.88	.84	.81	.87	.83	.80	.85	.81	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.75	.80	.77	.75	.73
7.0	.82	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.72	.71
8.0	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
9.0	.76	.71	.68	.76	.71	.68	.75	.70	.68	.74	.70	.67	.73	.69	.67	.66
10.0	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.71	.67	.65	.64



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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 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	.163	.092	.029	.155	.088	.028	.141	.081	.026	.128	.074	.024	.116	.067	.022		
2.0	.151	.083	.025	.145	.080	.025	.133	.074	.023	.122	.069	.021	.112	.064	.020		
3.0	.141	.075	.023	.136	.073	.022	.126	.068	.021	.117	.064	.020	.108	.060	.018		
4.0	.132	.069	.020	.128	.067	.020	.119	.063	.019	.111	.060	.018	.104	.056	.017		
5.0	.125	.063	.018	.121	.062	.018	.113	.059	.017	.106	.056	.017	.099	.053	.016		
6.0	.118	.059	.017	.114	.058	.017	.107	.055	.016	.101	.053	.015	.095	.050	.015		
7.0	.111	.055	.016	.108	.054	.015	.102	.052	.015	.097	.050	.014	.092	.048	.014		
8.0	.106	.052	.015	.103	.051	.014	.098	.049	.014	.093	.047	.014	.088	.045	.013		
9.0	.101	.049	.014	.098	.048	.013	.094	.046	.013	.089	.045	.013	.085	.043	.012		
10.0	.096	.046	.013	.094	.045	.013	.090	.044	.012	.086	.043	.012	.082	.041	.012		

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	.070	.070	.070	.023	.023	.023	
1.0	.190	.177	.166	.163	.152	.143	.111	.105	.099	.064	.061	.057	.020	.019	.019	
2.0	.173	.153	.135	.149	.131	.117	.102	.091	.081	.059	.053	.048	.019	.017	.016	
3.0	.160	.133	.113	.137	.115	.098	.094	.080	.068	.054	.047	.040	.017	.015	.013	
4.0	.148	.119	.096	.127	.102	.083	.087	.071	.059	.051	.042	.035	.016	.014	.011	
5.0	.138	.107	.083	.119	.092	.072	.082	.064	.051	.047	.038	.030	.015	.012	.010	
6.0	.130	.097	.073	.112	.084	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
7.0	.123	.089	.065	.106	.077	.057	.073	.054	.040	.042	.032	.024	.014	.010	.008	
8.0	.116	.083	.059	.100	.072	.052	.069	.050	.037	.040	.030	.022	.013	.010	.007	
9.0	.111	.077	.054	.095	.067	.047	.066	.047	.034	.039	.028	.020	.012	.009	.007	
10.0	.106	.072	.050	.091	.063	.044	.063	.044	.031	.037	.026	.019	.012	.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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 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	18.9	19.7	19.2	19.9	20.1	19.3	20.1	19.6	20.3	20.5
	3H	19.2	19.9	19.5	20.1	20.4	19.5	20.2	19.8	20.5	20.7
	4H	19.4	20.1	19.7	20.3	20.6	19.7	20.4	20.0	20.6	20.9
	6H	19.6	20.3	19.9	20.5	20.8	19.9	20.6	20.3	20.9	21.2
	8H	19.7	20.4	20.1	20.6	20.9	20.1	20.7	20.4	21.0	21.3
	12H	19.9	20.5	20.2	20.8	21.1	20.2	20.8	20.6	21.1	21.5
4H	2H	18.9	19.6	19.2	19.8	20.1	19.3	19.9	19.6	20.2	20.5
	3H	19.3	19.9	19.7	20.2	20.6	19.6	20.2	20.0	20.5	20.8
	4H	19.7	20.2	20.0	20.5	20.9	19.9	20.4	20.3	20.8	21.1
	6H	20.0	20.5	20.4	20.9	21.3	20.3	20.8	20.7	21.2	21.6
	8H	20.2	20.7	20.7	21.1	21.5	20.6	21.0	21.0	21.4	21.8
	12H	20.5	20.9	20.9	21.3	21.7	20.8	21.2	21.3	21.6	22.1
8H	4H	19.7	20.2	20.2	20.6	21.0	20.0	20.4	20.4	20.8	21.2
	6H	20.3	20.6	20.7	21.1	21.5	20.5	20.9	21.0	21.4	21.8
	8H	20.6	20.9	21.1	21.4	21.9	20.9	21.2	21.4	21.7	22.2
	12H	20.9	21.2	21.5	21.7	22.2	21.3	21.6	21.9	22.1	22.6
12H	4H	19.7	20.1	20.2	20.6	21.0	20.0	20.4	20.4	20.8	21.2
	6H	20.3	20.6	20.8	21.1	21.6	20.6	20.9	21.1	21.4	21.9
	8H	20.7	21.0	21.2	21.5	22.0	21.0	21.3	21.5	21.8	22.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.5					+ 1.1 / - 1.5					
1.5H	+ 1.8 / - 1.4					+ 2.1 / - 1.5					
2.0H	+ 2.2 / - 1.0					+ 2.2 / - 1.0					

CIE Pub.117 Corrected 928.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

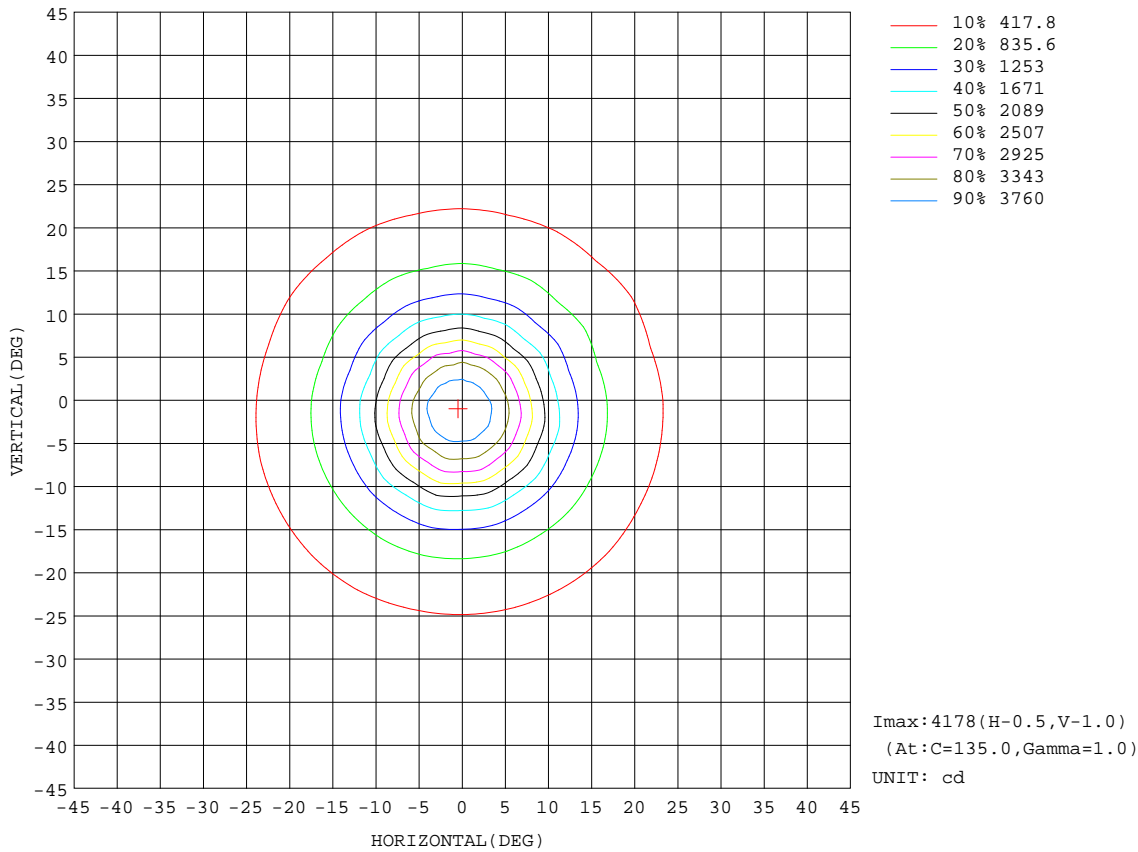
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	97	91	88	96	91	87	94	91	87	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	97	94	89
2.00	107	103	99	105	101	98	102	99	96	91
2.50	109	105	102	107	103	101	103	101	98	92
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	111	109	112	109	108	107	106	104	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: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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



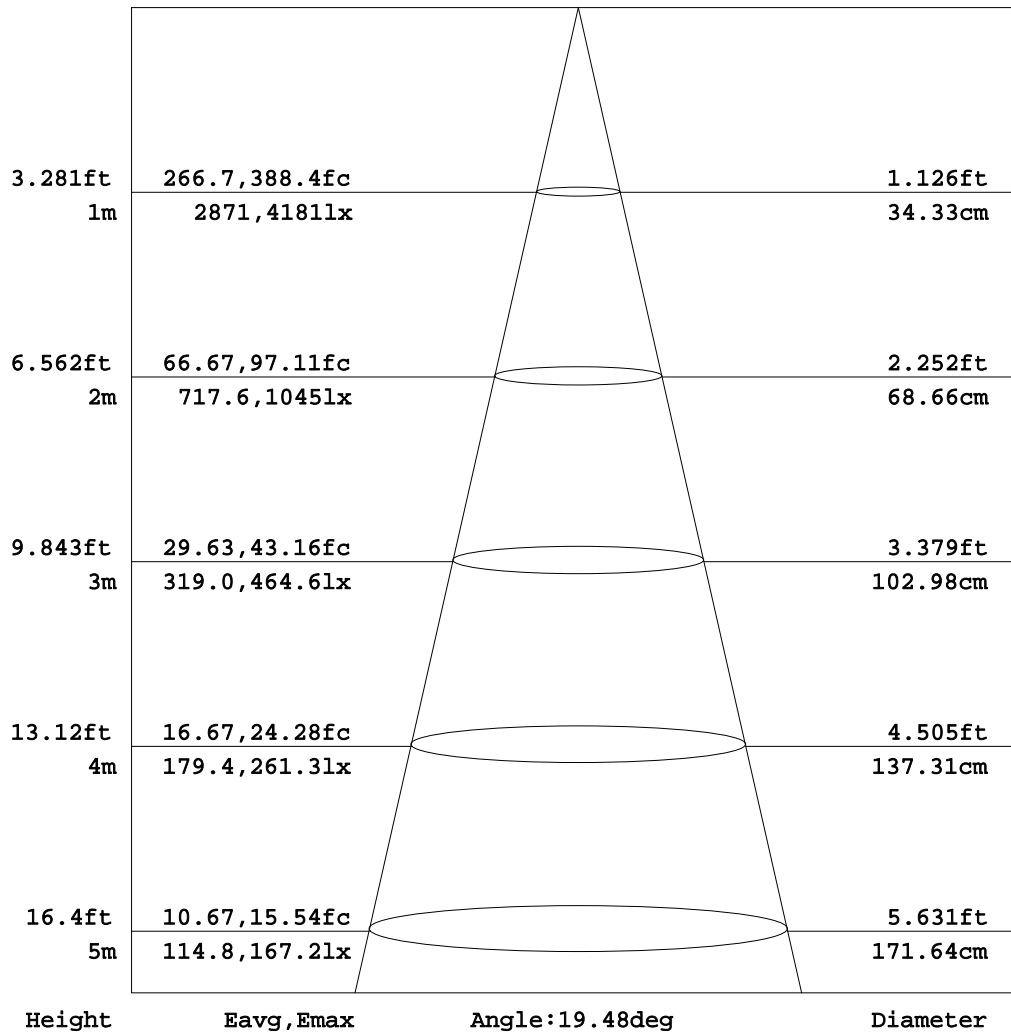
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-12-07

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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:280.4 lm



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

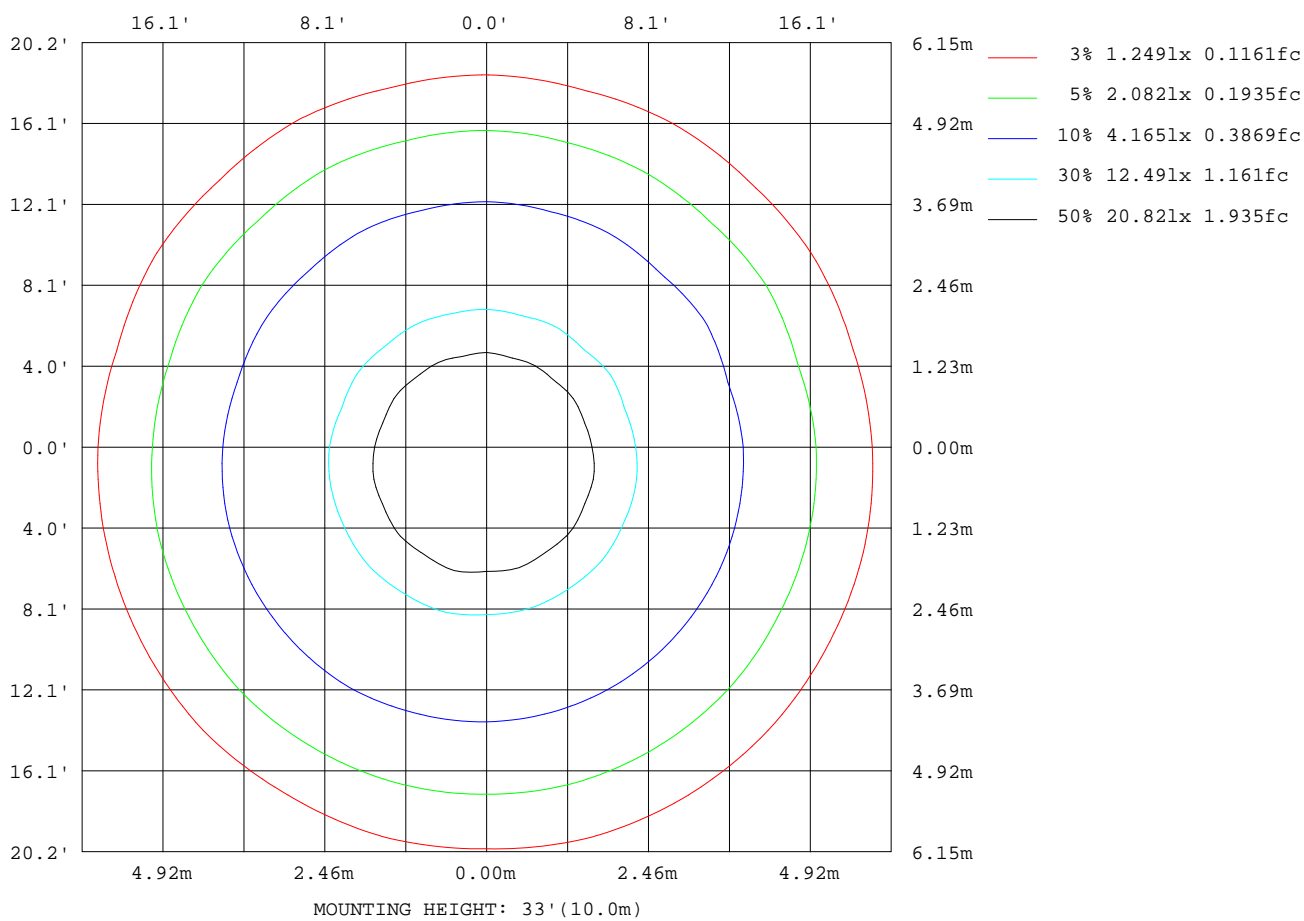
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

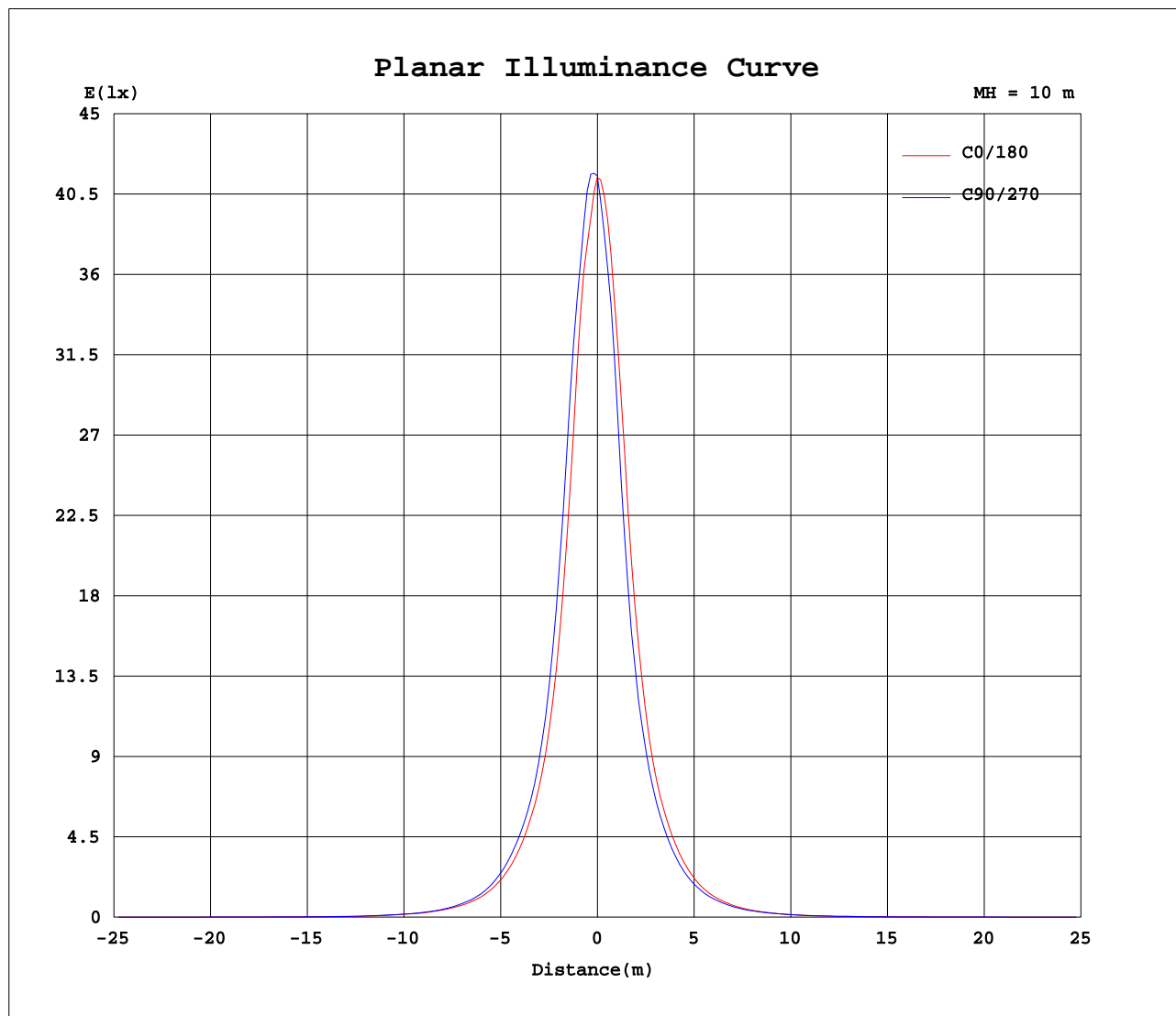
Test:U:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 lm																			
NAME:										TYPE:					WEIGHT:				
DIM.:										SPEC.:					SERIAL No.:				
MFR.: Rayconn										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145	4145
5	3413	3501	3569	3629	3633	3722	3699	3763	3727	3717	3619	3587	3503	3366	3322	3229	3228	3122	3172
10	1923	2061	2105	2258	2282	2403	2380	2489	2383	2386	2251	2208	2082	1923	1896	1775	1744	1670	1664
15	1020	1072	1100	1165	1185	1241	1245	1283	1259	1254	1194	1160	1116	1028	1014	958	951	914	915
20	592	611	637	652	674	692	698	709	712	699	687	665	637	597	587	558	553	531	531
25	347	358	367	386	396	407	411	413	417	412	399	389	367	346	341	323	319	308	306
30	203	213	219	229	234	239	234	238	233	234	224	216	208	196	198	189	188	180	180
35	123	129	132	139	140	144	139	141	137	138	131	128	123	117	117	114	113	109	109
40	75.3	79.7	81.2	83.6	82.7	84.7	81.4	81.4	78.3	79.2	75.2	75.0	71.8	69.6	69.6	67.7	67.3	65.4	66.3
45	46.7	49.2	49.5	52.0	51.5	52.4	50.2	49.8	48.3	48.1	45.9	45.2	43.2	41.7	41.8	40.4	40.2	39.4	41.5
50	25.5	27.2	27.6	28.5	28.6	29.9	29.2	29.0	27.5	27.4	26.2	25.9	25.0	24.6	24.6	23.9	23.8	23.9	24.9
55	15.5	16.3	16.4	16.7	16.6	17.2	17.3	17.2	16.6	16.8	16.4	16.3	16.2	16.1	16.3	15.9	15.9	16.2	16.8
60	11.0	11.4	11.4	11.3	11.1	11.5	11.7	11.8	11.3	11.3	11.1	11.3	11.3	11.4	11.6	11.5	11.4	11.9	12.4
65	8.46	8.87	8.79	8.57	8.38	8.50	8.53	8.70	8.42	8.41	8.22	8.44	8.41	8.66	8.90	8.79	8.84	9.34	9.79
70	6.72	7.07	6.97	6.81	6.68	6.77	6.85	6.93	6.57	6.60	6.48	6.63	6.58	6.82	7.01	6.93	6.95	7.38	7.67
75	5.21	5.52	5.47	5.39	5.35	5.42	5.40	5.47	5.16	5.16	5.10	5.22	5.14	5.30	5.42	5.37	5.32	5.91	5.68
80	3.84	4.06	4.08	4.10	4.36	4.56	4.11	4.15	3.90	3.91	5.03	4.29	3.91	3.94	3.94	3.89	4.16	4.17	3.77
85	2.65	2.81	2.85	2.96	3.09	3.29	2.94	2.97	2.83	2.82	3.45	3.18	2.84	2.81	2.76	2.71	2.75	2.81	2.53
90	1.77	1.83	1.87	1.98	2.11	2.11	1.93	1.94	1.89	1.86	2.34	2.22	2.15	2.14	2.14	2.15	2.25	2.35	2.05
95	1.57	1.57	1.60	1.61	1.85	1.87	1.54	1.52	1.54	1.52	2.23	1.94	2.20	2.17	2.19	2.19	2.39	2.50	2.11
100	1.51	1.51	1.51	1.52	1.76	1.76	1.42	1.42	1.42	1.41	1.99	1.75	2.27	2.23	2.25	2.26	2.55	2.58	2.17
105	1.63	1.63	1.60	1.61	1.81	1.87	1.47	1.49	1.47	1.49	1.87	1.74	2.34	2.31	2.33	2.34	2.65	2.57	2.26
110	1.89	1.88	1.86	1.87	2.12	2.21	1.71	1.72	1.71	1.73	2.00	1.93	2.46	2.45	2.46	2.48	2.72	2.71	2.40
115	2.20	2.19	2.16	2.19	2.48	2.55	2.01	2.02	2.00	2.02	2.26	2.27	2.64	2.62	2.64	2.68	2.98	2.95	2.62
120	2.60	2.55	2.52	2.56	2.80	2.69	2.36	2.37	2.36	2.38	2.59	2.68	2.93	2.94	2.96	3.02	3.19	3.13	2.97
125	3.18	3.11	3.07	3.08	3.37	3.07	2.88	2.86	2.87	2.89	3.16	3.22	3.42	3.45	3.48	3.57	3.76	3.69	3.55
130	4.03	3.93	3.89	3.88	4.02	3.75	3.66	3.63	3.66	3.68	3.88	4.04	4.16	4.22	4.26	4.38	4.57	4.48	4.37
135	5.02	4.91	4.86	4.90	5.05	4.73	4.62	4.61	4.63	4.65	4.90	5.08	5.08	5.14	5.17	5.30	5.60	5.43	5.29
140	5.89	5.80	5.76	5.85	6.06	5.70	5.57	5.56	5.58	5.61	5.89	6.09	5.94	5.98	6.00	6.12	6.45	6.25	6.09
145	6.53	6.46	6.44	6.52	6.81	6.43	6.28	6.29	6.28	6.31	6.63	6.80	6.58	6.60	6.62	6.70	6.97	6.81	6.67
150	6.95	6.90	6.88	6.91	7.20	6.92	6.77	6.79	6.77	6.81	7.06	7.20	7.03	7.01	7.02	7.09	7.27	7.16	7.05
155	7.23	7.20	7.17	7.18	7.13	7.23	7.11	7.14	7.11	7.15	7.31	7.36	7.32	7.29	7.29	7.33	7.40	7.37	7.30
160	7.39	7.37	7.34	7.36	7.33	7.38	7.33	7.36	7.34	7.37	7.36	7.38	7.45	7.45	7.44	7.46	7.46	7.47	7.45
165	7.46	7.45	7.45	7.47	7.44	7.47	7.44	7.47	7.43	7.46	7.44	7.42	7.55	7.53	7.52	7.52	7.49	7.52	7.48
170	7.41	7.41	7.42	7.43	7.43	7.44	7.43	7.44	7.42	7.41	7.39	7.35	7.48	7.48	7.44	7.47	7.40	7.42	7.36
175	7.23	7.24	7.26	7.27	7.27	7.28	7.26	7.25	7.21	7.19	7.15	7.10	7.31	7.30	7.25	7.25	7.20	7.21	7.14
180	7.25	7.24	7.23	7.24	7.20	7.21	7.15	7.15	7.11	7.10	7.07	7.05	7.25	7.24	7.23	7.24	7.20	7.20	7.16

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:226.4V I:0.0440A P:8.480W PF:0.8400 Lamp Flux:928.662x1 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	4145	4145	4145	4145	4145														
5	3112	3156	3192	3265	3298														
10	1634	1687	1680	1790	1810														
15	902	928	916	969	953														
20	525	537	534	568	551														
25	303	309	311	329	322														
30	176	182	182	190	191														
35	109	110	112	116	118														
40	65.6	67.0	69.5	71.1	72.2														
45	41.8	42.7	42.9	45.2	45.5														
50	24.8	25.0	24.0	24.4	24.1														
55	17.0	16.6	15.7	15.2	15.1														
60	12.5	12.2	11.4	10.8	10.6														
65	9.90	9.56	8.90	8.31	8.18														
70	7.81	7.52	7.04	6.54	6.43														
75	5.76	5.60	5.33	6.00	5.42														
80	3.79	3.73	3.70	5.05	4.30														
85	2.55	2.54	2.58	3.03	3.06														
90	2.05	2.05	2.05	2.62	2.55														
95	2.10	2.10	2.09	2.71	2.61														
100	2.17	2.17	2.17	2.64	2.61														
105	2.26	2.26	2.26	2.59	2.52														
110	2.40	2.40	2.39	2.64	2.57														
115	2.63	2.62	2.61	2.83	2.82														
120	2.99	2.97	2.97	3.18	3.17														
125	3.58	3.55	3.55	3.75	3.72														
130	4.41	4.36	4.38	4.57	4.54														
135	5.34	5.28	5.30	5.59	5.52														
140	6.13	6.09	6.13	6.47	6.36														
145	6.69	6.66	6.68	7.07	6.91														
150	7.07	7.05	7.10	7.42	7.26														
155	7.33	7.31	7.33	7.40	7.38														
160	7.46	7.44	7.46	7.44	7.43														
165	7.50	7.46	7.48	7.45	7.46														
170	7.38	7.34	7.36	7.33	7.37														
175	7.14	7.09	7.11	7.08	7.10														
180	7.15	7.11	7.10	7.06	7.05														

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: