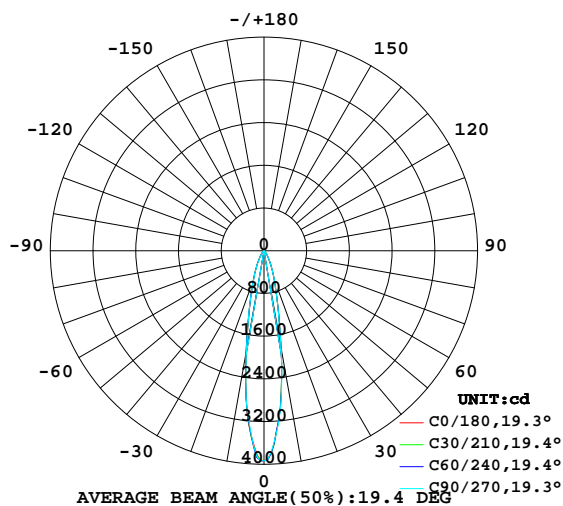


## LUMINAIRE PHOTOMETRIC TEST REPORT

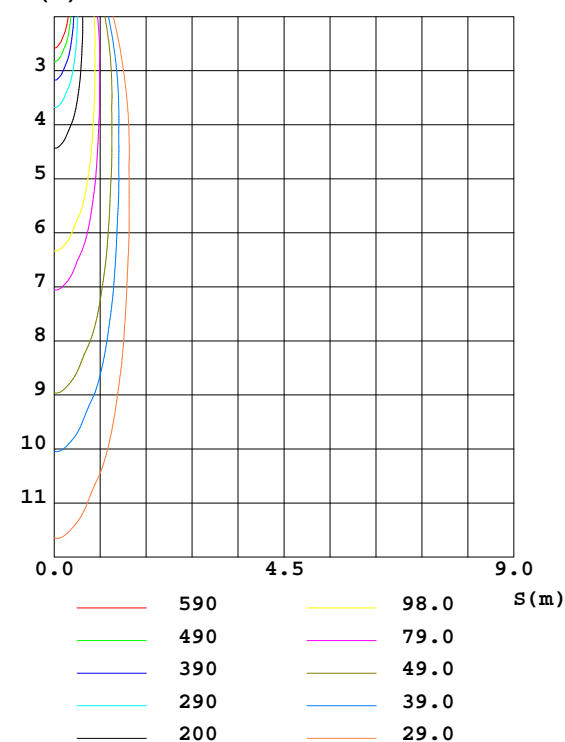
Test:U:226.4V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:857.674x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.55 lm/W			
MODEL	M022-9W-827-S-16	Imax(cd)	3956	S/MH(C0/180)	0.33
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	857.68	η UP,DN(C0-180)	1.2,48.6
NOMINAL FLUX(lm)	857.674	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,48.9
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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1848	1878	1835	1913	1919	1916	1916	1886	0- 10	264.6	264.6	30.9,30.9
20	562.2	555.6	553.8	566.6	586.6	562.2	577.8	556.2	10- 20	282.9	547.5	63.8,63.8
30	179.6	184.9	188.9	191.9	195.6	189.5	190.5	181.2	20- 30	154.8	702.3	81.9,81.9
40	63.44	66.05	67.88	71.37	70.78	67.33	65.95	62.43	30- 40	71.47	773.8	90.2,90.2
50	22.16	22.66	23.45	24.74	24.15	22.96	22.65	21.12	40- 50	32.00	805.8	93.9,93.9
60	10.04	9.849	10.77	11.87	10.87	10.22	10.29	9.531	50- 60	13.71	819.5	95.5,95.5
70	6.112	5.993	6.678	7.514	6.475	6.159	6.099	5.819	60- 70	8.017	827.5	96.5,96.5
80	3.543	3.819	3.621	4.164	3.681	3.562	3.557	3.863	70- 80	5.282	832.8	97.1,97.1
90	1.625	1.868	1.517	1.677	1.937	2.170	1.866	2.103	80- 90	2.908	835.7	97.4,97.4
100	1.371	1.603	1.264	1.611	2.042	2.242	1.971	2.446	90-100	1.988	837.7	97.7,97.7
110	1.704	1.810	1.604	1.991	2.215	2.304	2.163	2.661	100-110	1.994	839.7	97.9,97.9
120	2.340	2.520	2.239	2.494	2.667	2.793	2.607	2.787	110-120	2.235	841.9	98.2,98.2
130	3.663	3.830	3.576	3.636	3.821	4.019	3.772	3.916	120-130	2.740	844.6	98.5,98.5
140	5.401	5.646	5.319	5.411	5.465	5.783	5.427	5.654	130-140	3.585	848.2	98.9,98.9
150	6.384	6.540	6.305	6.428	6.461	6.668	6.421	6.649	140-150	3.793	852.0	99.3,99.3
160	6.801	6.797	6.764	6.792	6.839	6.834	6.841	6.841	150-160	3.082	855.1	99.7,99.7
170	6.781	6.769	6.766	6.773	6.831	6.860	6.841	6.850	160-170	1.941	857.0	99.9,99.9
180	6.565	6.568	6.570	6.572	6.570	6.568	6.568	6.574	170-180	0.6375	857.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

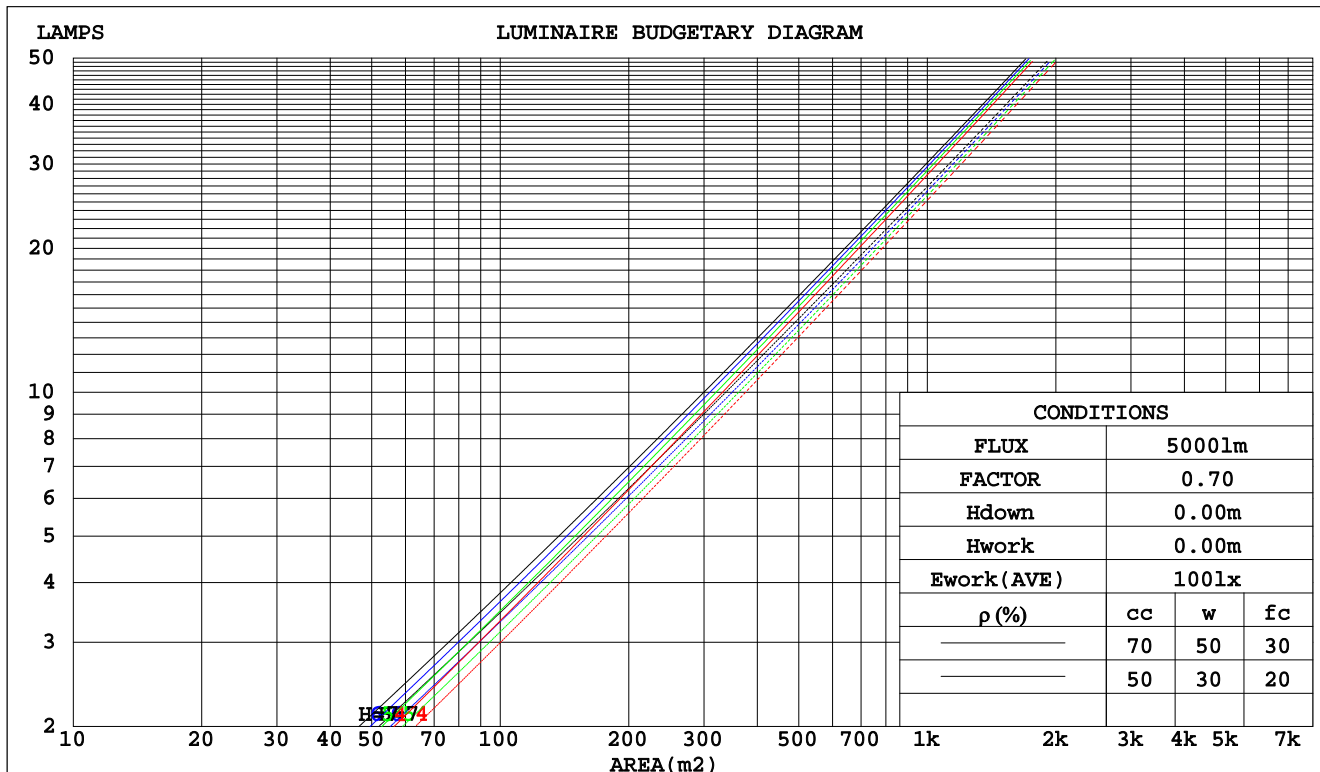
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

$\gamma$  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:226.4V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:857.674x1 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	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	.00	.99	.98	.96	.95	.94	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.91	.97	.94	.90	.95	.91	.89	.92	.89	.87	.89	.87	.85	.84
4.0	.94	.89	.86	.93	.89	.85	.90	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.80	.77	.75	.74
7.0	.82	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.75	.71	.79	.74	.71	.78	.73	.71	.76	.73	.70	.75	.72	.70	.69
9.0	.77	.72	.69	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.74	.69	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.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:8.530W PF:0.8400 Lamp Flux:857.674x1 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	.162	.092	.029	.154	.088	.028	.140	.080	.026	.127	.073	.024	.115	.067	.022		
2.0	.150	.082	.025	.144	.079	.024	.132	.074	.023	.121	.068	.021	.111	.063	.020		
3.0	.140	.075	.022	.135	.072	.022	.125	.068	.021	.116	.063	.019	.107	.059	.018		
4.0	.131	.068	.020	.127	.066	.020	.118	.063	.019	.110	.059	.018	.103	.056	.017		
5.0	.124	.063	.018	.120	.061	.018	.112	.058	.017	.105	.055	.016	.099	.053	.016		
6.0	.117	.059	.017	.113	.057	.016	.107	.055	.016	.100	.052	.015	.095	.050	.015		
7.0	.111	.055	.015	.107	.054	.015	.102	.051	.015	.096	.049	.014	.091	.047	.014		
8.0	.105	.051	.014	.102	.050	.014	.097	.049	.014	.092	.047	.013	.088	.045	.013		
9.0	.100	.048	.014	.098	.048	.013	.093	.046	.013	.089	.044	.013	.084	.043	.012		
10.0	.096	.046	.013	.093	.045	.013	.089	.044	.012	.085	.042	.012	.081	.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	.179	.179	.179	.123	.123	.123	.070	.070	.070	.023	.023	.023		
1.0	.190	.177	.166	.162	.152	.143	.111	.105	.099	.064	.061	.057	.020	.019	.019		
2.0	.173	.152	.135	.148	.131	.117	.102	.091	.081	.059	.053	.048	.019	.017	.016		
3.0	.159	.133	.113	.137	.115	.098	.094	.080	.068	.054	.047	.040	.017	.015	.013		
4.0	.148	.118	.096	.127	.102	.083	.087	.071	.059	.050	.042	.035	.016	.014	.011		
5.0	.138	.106	.083	.119	.092	.072	.082	.064	.051	.047	.038	.030	.015	.012	.010		
6.0	.130	.097	.073	.111	.084	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009		
7.0	.122	.089	.065	.105	.077	.057	.073	.054	.040	.042	.032	.024	.014	.010	.008		
8.0	.116	.082	.059	.100	.071	.052	.069	.050	.037	.040	.030	.022	.013	.010	.007		
9.0	.110	.077	.054	.095	.067	.047	.066	.047	.034	.038	.028	.020	.012	.009	.007		
10.0	.105	.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:8.530W PF:0.8400 Lamp Flux:857.674x1 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	17.9	18.7	18.2	18.9	19.1	18.2	19.0	18.5	19.2	19.4	
	3H	18.2	18.9	18.5	19.2	19.4	18.6	19.3	18.9	19.5	
	4H	18.5	19.1	18.8	19.4	19.7	18.8	19.5	19.1	19.8	
	6H	18.7	19.4	19.1	19.6	19.9	19.1	19.7	19.4	20.0	
	8H	18.9	19.5	19.2	19.8	20.1	19.2	19.8	19.6	20.1	
	12H	19.0	19.6	19.4	19.9	20.2	19.3	19.9	19.7	20.2	
4H	2H	17.9	18.6	18.2	18.8	19.1	18.2	18.9	18.5	19.1	
	3H	18.4	19.0	18.7	19.3	19.6	18.7	19.3	19.1	19.6	
	4H	18.7	19.3	19.1	19.6	20.0	19.1	19.6	19.5	20.0	
	6H	19.2	19.6	19.6	20.0	20.4	19.5	20.0	19.9	20.4	
	8H	19.4	19.8	19.8	20.2	20.6	19.7	20.2	20.2	20.6	
	12H	19.7	20.1	20.1	20.5	20.9	19.9	20.4	20.4	20.8	
8H	4H	18.9	19.3	19.3	19.7	20.1	19.2	19.7	19.7	20.1	
	6H	19.4	19.8	19.9	20.2	20.7	19.8	20.2	20.3	20.6	
	8H	19.8	20.1	20.3	20.6	21.0	20.2	20.5	20.7	21.0	
	12H	20.2	20.5	20.7	20.9	21.5	20.5	20.8	21.0	21.3	
12H	4H	18.9	19.3	19.3	19.7	20.1	19.2	19.6	19.7	20.0	
	6H	19.5	19.8	20.0	20.3	20.8	19.9	20.2	20.4	20.7	
	8H	19.9	20.2	20.4	20.7	21.2	20.3	20.6	20.8	21.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 1.2					+ 1.0 / - 1.2					
1.5H	+ 1.9 / - 1.2					+ 2.0 / - 1.3					
2.0H	+ 1.9 / - 0.8					+ 1.9 / - 0.8					

CIE Pub.117 Corrected 857.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.5)

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:8.530W PF:0.8400 Lamp Flux:857.674x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

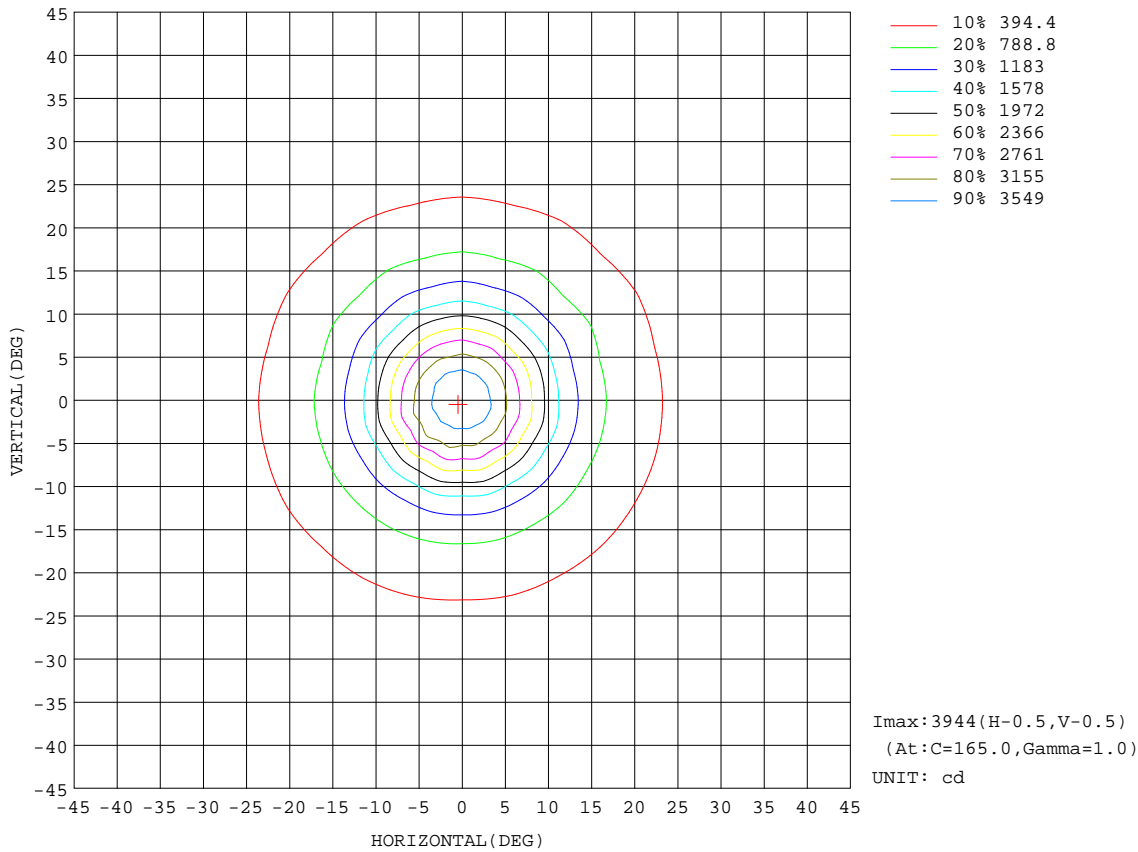
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	97	92	88	96	91	87	95	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	97	91
2.50	109	105	102	107	103	101	104	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	112	110	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:8.530W PF:0.8400 Lamp Flux:857.674x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



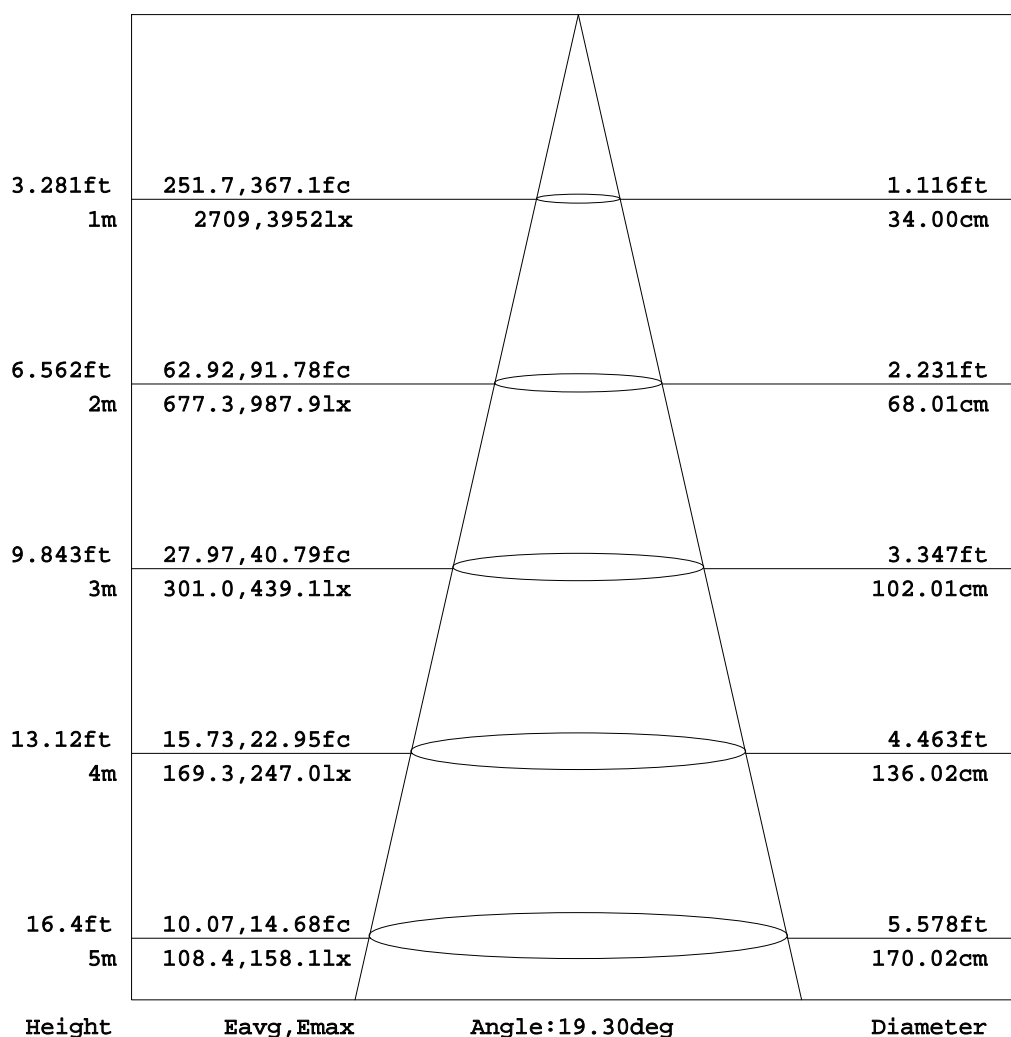
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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:8.530W PF:0.8400 Lamp Flux:857.674x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:264.6 lm



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

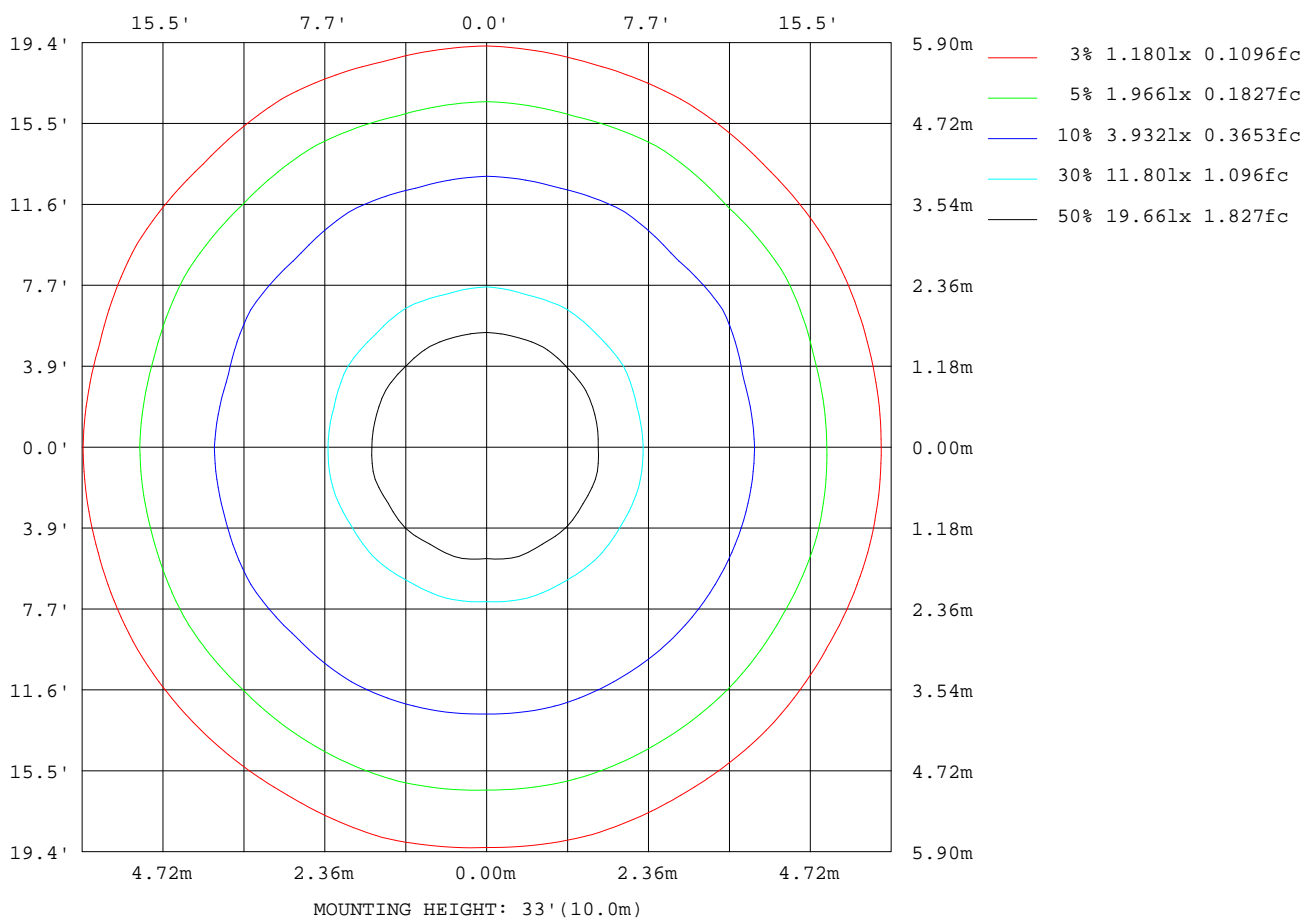
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-12-07

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

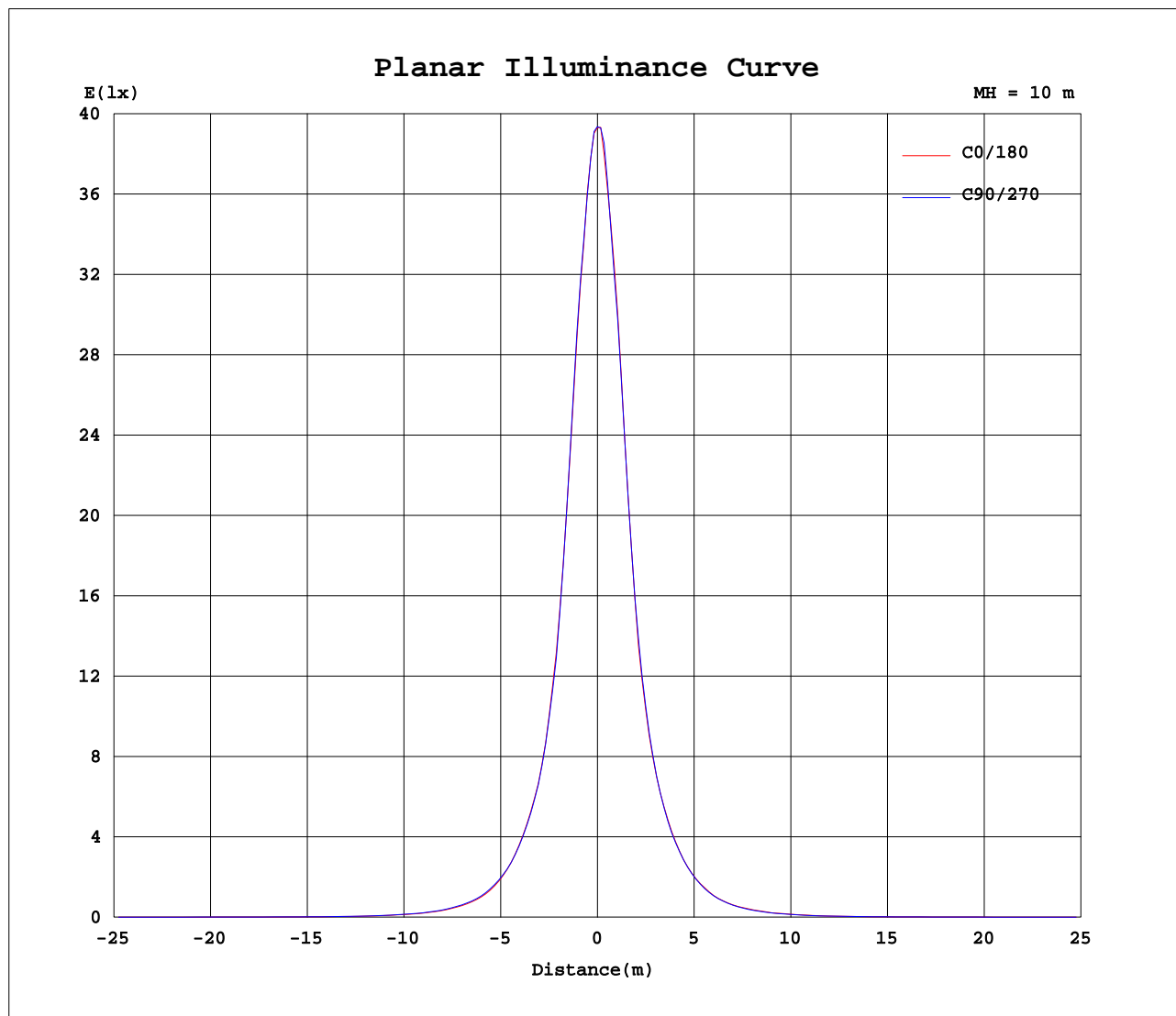
Test:U:226.4V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:857.674x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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:8.530W PF:0.8400 Lamp Flux:857.674x1 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	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935	3935
5	3189	3222	3179	3217	3191	3245	3206	3302	3237	3340	3248	3331	3278	3271	3259	3221	3248	3186	3226
10	1848	1893	1837	1878	1841	1892	1835	1903	1858	1913	1871	1952	1919	1920	1946	1916	1941	1908	1916
15	965	965	948	962	950	964	959	973	973	988	986	1005	1006	983	1022	991	1028	989	1021
20	562	555	551	556	551	556	554	561	575	567	586	574	587	559	588	562	585	563	578
25	321	326	318	324	320	327	323	332	332	330	339	335	337	329	338	329	337	327	335
30	180	181	180	185	186	190	189	195	190	192	195	193	196	190	197	189	196	187	191
35	106	109	107	112	112	115	113	116	113	115	113	115	113	111	113	112	113	111	110
40	63.4	63.7	63.7	66.1	67.0	69.2	67.9	69.6	69.3	71.4	70.2	71.0	70.8	68.1	69.0	67.3	68.3	66.0	65.9
45	38.9	39.6	39.0	40.9	41.0	42.6	42.1	43.5	43.5	44.3	43.7	43.8	42.6	41.8	41.8	40.5	40.8	39.6	39.6
50	22.2	22.7	22.3	22.7	22.8	23.5	23.4	24.3	24.6	24.7	24.5	24.4	24.1	23.7	23.7	23.0	23.1	22.3	22.7
55	14.1	14.3	14.0	14.0	14.2	14.9	15.0	15.4	15.8	16.0	15.8	15.7	15.2	14.9	14.8	14.5	14.5	14.2	14.5
60	10.0	10.1	9.77	9.85	9.95	10.6	10.8	11.3	11.6	11.9	11.6	11.3	10.9	10.4	10.3	10.2	10.2	10.0	10.3
65	7.69	7.69	7.39	7.51	7.61	8.16	8.37	8.91	9.24	9.35	9.09	8.75	8.27	7.92	7.82	7.78	7.66	7.64	7.73
70	6.11	6.11	5.84	5.99	6.04	6.49	6.68	7.15	7.38	7.51	7.24	6.91	6.48	6.21	6.17	6.16	6.01	6.06	6.10
75	4.76	4.75	4.57	4.74	4.77	5.05	5.14	5.47	5.58	5.74	5.54	5.34	5.00	4.80	4.79	4.79	4.68	4.72	4.76
80	3.54	3.54	3.42	3.82	4.32	3.63	3.62	3.78	3.80	4.16	4.33	3.82	3.68	3.55	3.53	3.56	3.65	3.52	3.56
85	2.46	2.46	2.40	2.63	2.77	2.38	2.36	2.42	2.41	2.59	2.83	2.51	2.60	2.55	2.55	2.79	3.40	2.51	2.55
90	1.62	1.60	1.61	1.87	2.17	1.49	1.52	1.49	1.51	1.68	1.92	1.61	1.94	1.93	1.92	2.17	2.36	1.96	1.87
95	1.44	1.41	1.43	1.74	2.17	1.30	1.33	1.30	1.33	1.66	1.84	1.42	1.99	1.97	1.98	2.30	2.59	1.89	1.91
100	1.37	1.36	1.36	1.60	1.84	1.26	1.26	1.26	1.26	1.61	1.82	1.36	2.04	2.02	2.03	2.24	2.39	1.96	1.97
105	1.47	1.48	1.46	1.62	1.76	1.38	1.37	1.37	1.36	1.76	1.86	1.47	2.11	2.09	2.11	2.24	2.30	2.04	2.05
110	1.70	1.71	1.70	1.81	1.87	1.62	1.60	1.61	1.60	1.99	2.08	1.70	2.22	2.20	2.21	2.30	2.34	2.15	2.16
115	1.99	1.99	1.98	2.14	2.13	1.90	1.89	1.89	1.88	2.27	2.39	1.99	2.38	2.36	2.37	2.52	2.49	2.31	2.33
120	2.34	2.34	2.34	2.52	2.48	2.25	2.24	2.23	2.23	2.49	2.63	2.33	2.67	2.64	2.65	2.79	2.74	2.59	2.61
125	2.87	2.85	2.87	3.05	3.00	2.78	2.78	2.76	2.76	2.92	3.11	2.85	3.13	3.11	3.11	3.26	3.24	3.08	3.08
130	3.66	3.64	3.66	3.83	3.78	3.56	3.58	3.54	3.54	3.64	3.85	3.62	3.82	3.82	3.79	4.02	3.92	3.77	3.77
135	4.57	4.56	4.58	4.80	4.76	4.49	4.49	4.47	4.46	4.56	4.84	4.54	4.68	4.67	4.65	4.91	4.82	4.63	4.62
140	5.40	5.39	5.40	5.65	5.63	5.33	5.32	5.30	5.30	5.41	5.73	5.40	5.47	5.48	5.45	5.78	5.70	5.43	5.43
145	6.00	5.99	5.99	6.25	6.23	5.91	5.92	5.91	5.89	6.04	6.31	5.99	6.06	6.05	6.04	6.35	6.30	6.00	6.01
150	6.38	6.38	6.38	6.54	6.52	6.32	6.31	6.31	6.30	6.43	6.63	6.40	6.46	6.45	6.44	6.67	6.67	6.41	6.42
155	6.65	6.65	6.63	6.67	6.60	6.60	6.59	6.60	6.59	6.67	6.76	6.65	6.72	6.70	6.69	6.80	6.82	6.68	6.68
160	6.80	6.80	6.78	6.80	6.78	6.78	6.76	6.78	6.75	6.79	6.77	6.78	6.84	6.84	6.83	6.83	6.84	6.83	6.84
165	6.84	6.85	6.84	6.86	6.85	6.84	6.84	6.84	6.83	6.84	6.83	6.84	6.90	6.90	6.89	6.90	6.91	6.90	6.90
170	6.78	6.76	6.77	6.77	6.77	6.75	6.77	6.76	6.77	6.77	6.77	6.76	6.83	6.84	6.82	6.86	6.84	6.85	6.84
175	6.57	6.56	6.54	6.55	6.56	6.54	6.57	6.56	6.57	6.57	6.57	6.56	6.64	6.64	6.63	6.65	6.64	6.63	6.64
180	6.57	6.56	6.55	6.57	6.56	6.56	6.57	6.57	6.56	6.57	6.56	6.56	6.57	6.57	6.55	6.57	6.56	6.56	6.57

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:8.530W PF:0.8400 Lamp Flux:857.674x1 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	3935	3935	3935	3935	3935														
5	3201	3202	3205	3196	3188														
10	1906	1919	1886	1900	1870														
15	987	1018	978	1009	950														
20	564	587	556	594	546														
25	326	337	320	334	319														
30	184	186	181	183	180														
35	108	108	107	108	107														
40	64.2	63.9	62.4	63.0	62.5														
45	38.6	39.3	38.3	39.1	38.3														
50	21.8	22.0	21.1	21.3	21.2														
55	14.1	13.9	13.4	13.4	13.5														
60	10.0	9.87	9.53	9.52	9.61														
65	7.65	7.56	7.31	7.22	7.29														
70	6.10	6.01	5.82	5.64	5.77														
75	4.75	4.66	4.78	4.56	4.49														
80	3.55	3.49	3.86	4.09	3.42														
85	2.54	2.51	2.80	3.05	2.53														
90	1.97	1.86	2.10	2.35	1.97														
95	1.90	1.92	2.30	2.56	2.00														
100	1.97	1.97	2.45	2.77	2.06														
105	2.04	2.05	2.61	2.82	2.14														
110	2.15	2.17	2.66	2.79	2.25														
115	2.33	2.34	2.59	2.96	2.45														
120	2.61	2.62	2.79	3.02	2.74														
125	3.09	3.09	3.22	3.38	3.22														
130	3.80	3.79	3.92	4.09	3.95														
135	4.65	4.64	4.79	5.03	4.81														
140	5.44	5.44	5.65	5.95	5.63														
145	6.04	6.02	6.26	6.57	6.19														
150	6.43	6.42	6.65	6.88	6.54														
155	6.68	6.68	6.78	6.81	6.72														
160	6.83	6.83	6.84	6.84	6.84														
165	6.89	6.89	6.91	6.88	6.89														
170	6.85	6.82	6.85	6.82	6.84														
175	6.65	6.63	6.65	6.63	6.64														
180	6.57	6.56	6.57	6.55	6.56														

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: