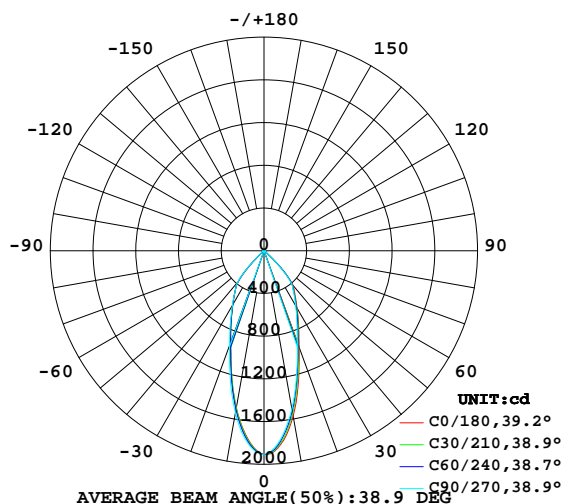


## LUMINAIRE PHOTOMETRIC TEST REPORT

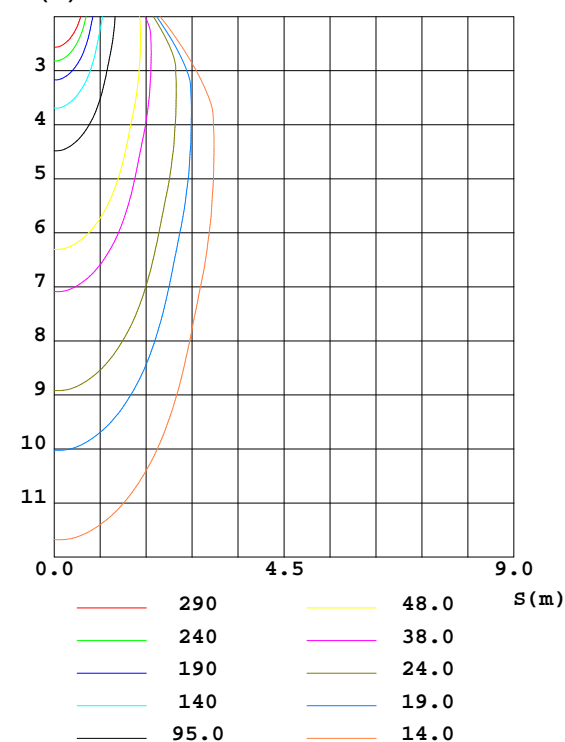
Test:U:226.5V I:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.24 lm/W			
MODEL	BL051-20W-940-W-40	Imax(cd)	1909	S/MH(C0/180)	0.63
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	1384.9	η UP,DN(C0-180)	1.2,49.2
NOMINAL FLUX(lm)	1384.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,48.3
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	226.5	η down(%)	97.5	CIBSE SHR MAX	0.65

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:2015-10-22

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	1572	1543	1504	1492	1493	1488	1543	1570	0- 10	162.3	162.3	11.7,11.7
20	961.2	947.6	911.3	912.8	914.0	902.0	943.8	969.0	10- 20	335.5	497.8	35.9,35.9
30	618.5	616.5	595.9	590.1	589.1	581.2	591.9	605.6	20- 30	342.6	840.4	60.7,60.7
40	422.4	417.5	402.7	381.6	377.2	368.4	378.5	390.7	30- 40	305.3	1146	82.7,82.7
50	36.50	37.02	35.06	34.09	32.11	32.36	34.31	35.66	40- 50	140.5	1286	92.9,92.9
60	21.86	22.02	21.40	20.86	19.86	19.41	20.45	20.84	50- 60	23.69	1310	94.6,94.6
70	15.36	15.59	15.37	14.38	12.88	14.88	13.71	14.49	60- 70	17.12	1327	95.8,95.8
80	12.98	13.19	13.43	12.74	12.02	14.80	12.74	4.224	70- 80	13.72	1341	96.8,96.8
90	2.684	3.424	2.786	2.661	3.091	3.224	3.118	2.864	80- 90	9.563	1350	97.5,97.5
100	2.793	2.948	2.819	2.815	3.383	3.466	3.348	3.272	90-100	3.313	1354	97.7,97.7
110	3.447	3.430	3.475	3.507	4.081	4.124	4.025	4.007	100-110	3.605	1357	98,98
120	4.474	4.444	4.525	4.586	5.091	5.098	4.995	4.932	110-120	4.192	1361	98.3,98.3
130	5.903	5.876	5.980	6.051	6.488	6.478	6.360	6.282	120-130	4.870	1366	98.7,98.7
140	7.487	7.476	7.568	7.623	7.946	7.947	7.833	7.770	130-140	5.368	1372	99,99
150	8.681	8.657	8.697	8.741	8.945	8.931	8.851	8.824	140-150	5.196	1377	99.4,99.4
160	9.573	9.533	9.559	9.580	9.776	9.777	9.715	9.702	150-160	4.260	1381	99.7,99.7
170	10.24	10.20	10.19	10.22	10.35	10.35	10.32	10.31	160-170	2.820	1384	99.9,99.9
180	10.72	10.69	10.67	10.69	10.72	10.69	10.67	10.69	170-180	0.9957	1385	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

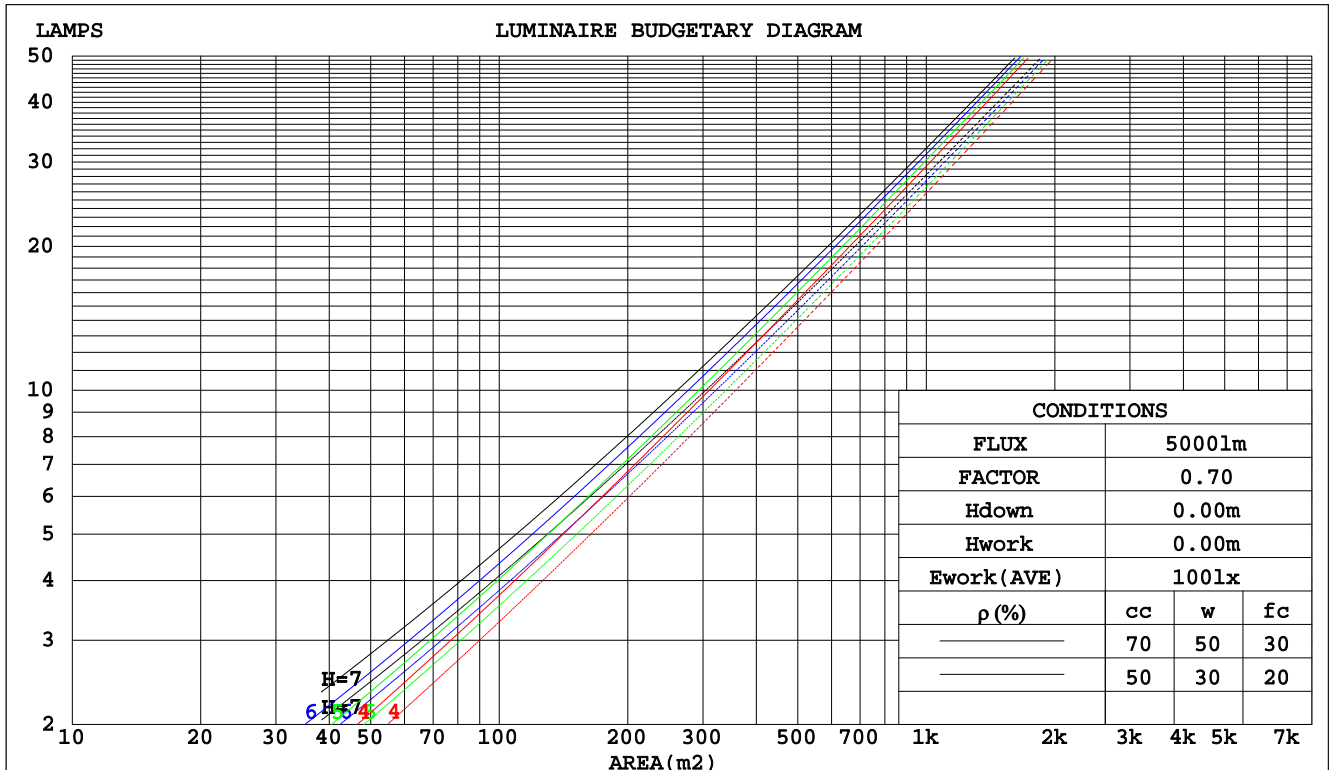
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-10-22

$\gamma$  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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 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	1.09	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.96	.95	.94	.93	.92	.90
2.0	1.01	.96	.93	.99	.95	.91	.95	.92	.89	.92	.89	.87	.89	.86	.84	.83
3.0	.93	.88	.84	.92	.87	.83	.89	.84	.81	.86	.82	.79	.83	.80	.78	.76
4.0	.87	.81	.76	.85	.80	.76	.83	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.81	.74	.70	.80	.74	.69	.77	.72	.69	.76	.71	.68	.74	.70	.67	.65
6.0	.75	.69	.65	.74	.69	.64	.73	.67	.64	.71	.66	.63	.69	.65	.62	.61
7.0	.71	.64	.60	.70	.64	.60	.68	.63	.59	.67	.62	.59	.66	.61	.58	.57
8.0	.66	.60	.56	.66	.60	.56	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
9.0	.63	.56	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.54	.51	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.48	.56	.51	.48	.47



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-10-22

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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 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	.199	.113	.036	.191	.109	.035	.177	.102	.032	.164	.095	.030	.152	.088	.028	
2.0	.188	.103	.032	.181	.100	.031	.169	.094	.029	.158	.089	.028	.148	.084	.026	
3.0	.177	.094	.028	.172	.092	.028	.161	.087	.027	.152	.083	.025	.143	.079	.024	
4.0	.168	.087	.026	.163	.085	.025	.154	.081	.024	.145	.078	.024	.137	.075	.023	
5.0	.159	.081	.023	.154	.079	.023	.146	.076	.022	.139	.073	.022	.132	.070	.021	
6.0	.151	.076	.022	.147	.074	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	
7.0	.143	.071	.020	.140	.070	.020	.133	.067	.019	.127	.065	.019	.122	.063	.019	
8.0	.136	.067	.019	.133	.066	.019	.128	.064	.018	.122	.062	.018	.117	.060	.018	
9.0	.130	.063	.018	.127	.062	.017	.122	.060	.017	.117	.059	.017	.113	.057	.017	
10.0	.124	.060	.017	.122	.059	.016	.117	.057	.016	.113	.056	.016	.108	.055	.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	.176	.162	.164	.151	.140	.112	.104	.097	.065	.060	.056	.021	.019	.018		
2.0	.178	.152	.130	.152	.131	.112	.104	.090	.078	.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	.071	.055	.053	.042	.033	.017	.014	.011		
5.0	.148	.107	.077	.127	.093	.067	.087	.065	.048	.051	.038	.028	.016	.012	.009		
6.0	.141	.098	.068	.121	.085	.059	.083	.060	.042	.048	.035	.025	.016	.011	.008		
7.0	.134	.091	.060	.115	.079	.053	.080	.055	.037	.046	.033	.022	.015	.011	.007		
8.0	.128	.085	.055	.111	.073	.048	.076	.052	.034	.044	.030	.020	.014	.010	.007		
9.0	.123	.080	.050	.106	.069	.044	.074	.049	.031	.043	.029	.019	.014	.009	.006		
10.0	.119	.075	.046	.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:2015-10-22

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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 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	20.4	21.4	20.7	21.7	21.9	20.3	21.3	20.6	21.5	21.7
	3H	20.4	21.3	20.7	21.6	21.8	20.3	21.2	20.6	21.5	21.7
	4H	20.5	21.3	20.8	21.6	21.9	20.4	21.2	20.7	21.5	21.8
	6H	20.6	21.4	20.9	21.7	22.0	20.5	21.3	20.8	21.6	21.9
	8H	20.8	21.5	21.1	21.8	22.2	20.7	21.5	21.0	21.8	22.1
	12H	21.0	21.7	21.4	22.1	22.4	21.0	21.7	21.3	22.0	22.4
4H	2H	20.2	21.1	20.5	21.4	21.6	20.1	21.0	20.4	21.2	21.5
	3H	20.3	21.0	20.6	21.3	21.7	20.2	20.9	20.5	21.2	21.6
	4H	20.4	21.1	20.8	21.4	21.8	20.3	21.0	20.7	21.4	21.7
	6H	20.7	21.3	21.1	21.7	22.1	20.6	21.2	21.1	21.6	22.0
	8H	21.0	21.5	21.4	21.9	22.4	21.0	21.5	21.4	21.9	22.4
	12H	21.4	21.9	21.9	22.3	22.8	21.5	22.0	21.9	22.4	22.8
8H	4H	20.4	21.0	20.8	21.4	21.8	20.3	20.9	20.8	21.3	21.7
	6H	20.8	21.3	21.3	21.7	22.2	20.8	21.2	21.3	21.7	22.2
	8H	21.3	21.7	21.8	22.2	22.7	21.2	21.6	21.7	22.1	22.6
	12H	22.0	22.4	22.5	22.9	23.4	21.9	22.3	22.4	22.8	23.3
12H	4H	20.4	20.9	20.8	21.3	21.8	20.3	20.8	20.8	21.3	21.7
	6H	20.9	21.3	21.4	21.8	22.3	20.9	21.3	21.3	21.7	22.2
	8H	21.5	21.8	22.0	22.3	22.8	21.3	21.7	21.8	22.2	22.7
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.1					+ 2.0 / - 3.1					
1.5H	+ 3.1 / - 3.4					+ 3.2 / - 3.4					
2.0H	+ 4.4 / - 1.2					+ 4.2 / - 1.0					

CIE Pub.117 Corrected 1385 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-10-22

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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

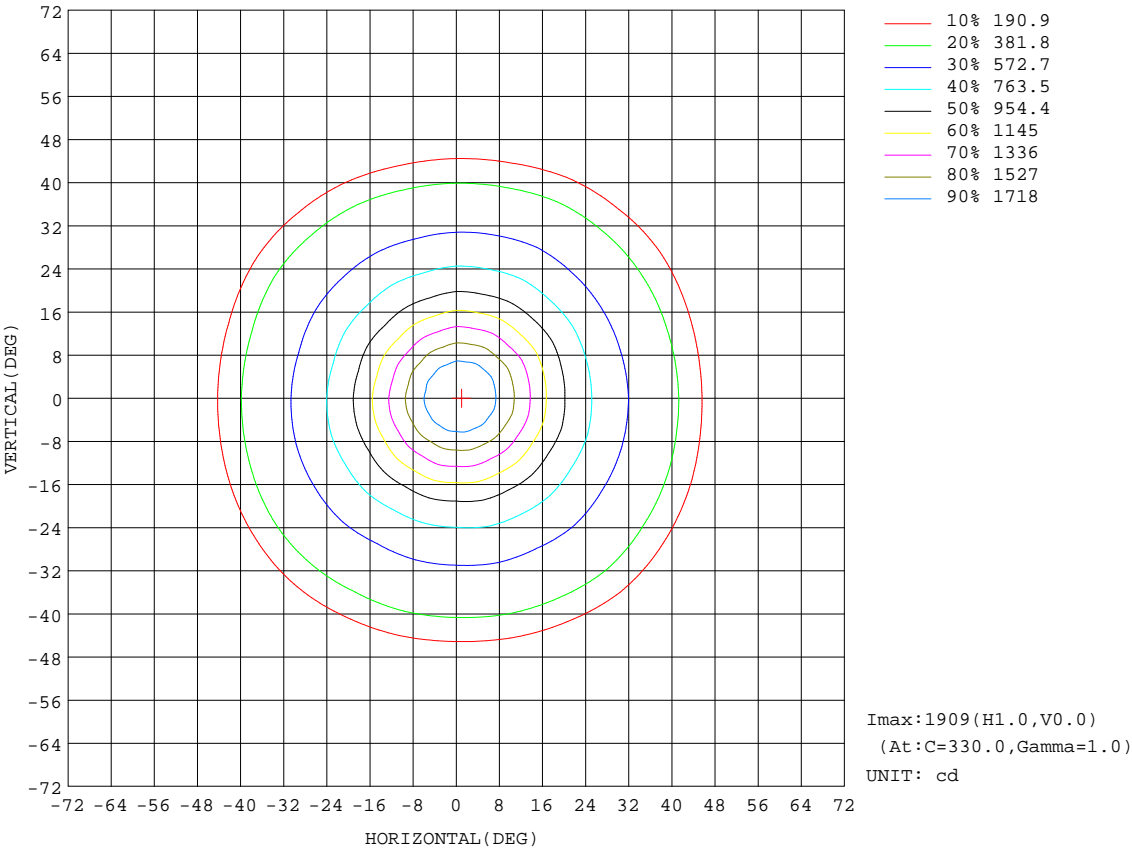
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	73	69	80	73	69	79	73	69	65
0.80	89	82	78	88	82	77	87	81	77	73
1.00	94	88	83	93	87	83	91	87	82	78
1.25	99	93	89	98	92	88	95	91	87	82
1.50	102	96	92	101	95	92	98	94	91	85
2.00	105	101	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	102	99	96	89
3.00	109	105	102	107	104	101	103	101	98	91
4.00	112	108	106	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	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:2015-10-22

$\gamma$  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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



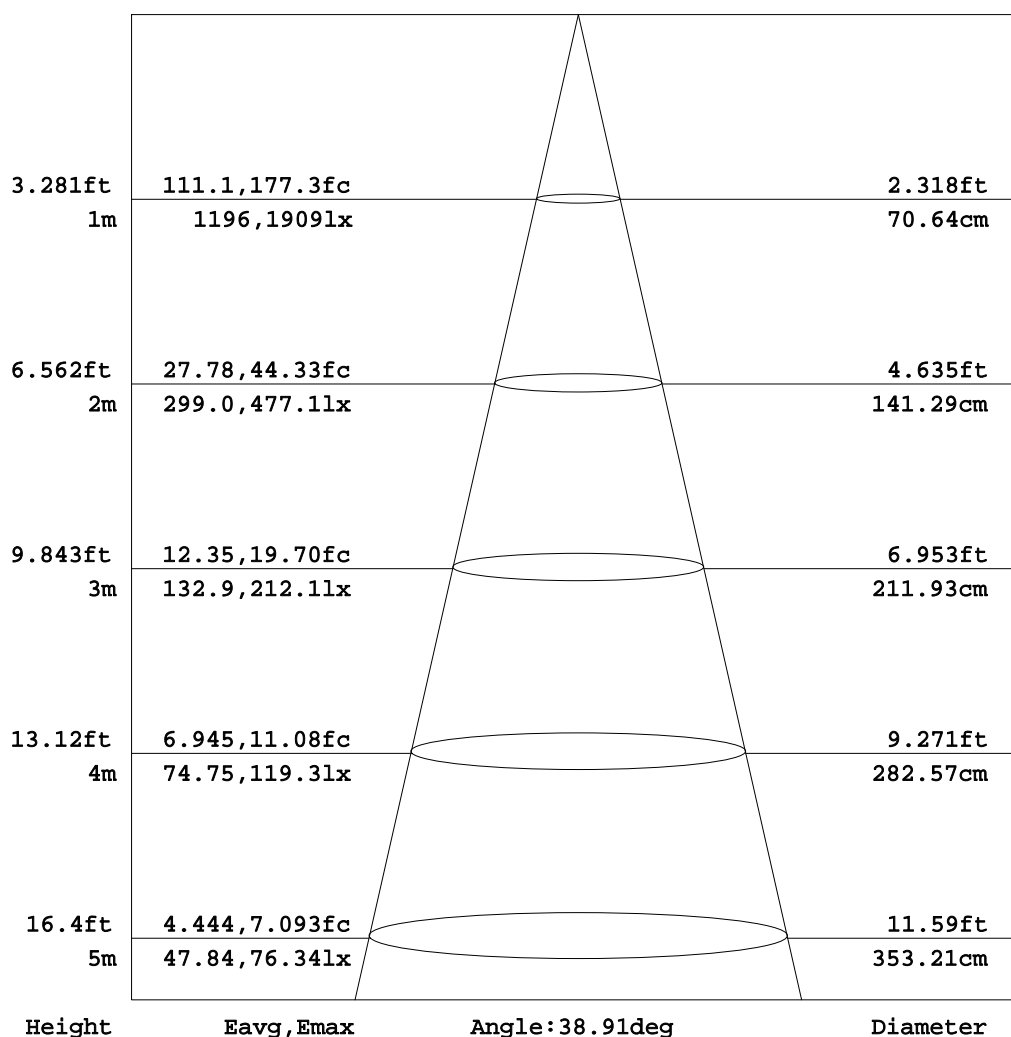
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-10-22

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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Flux out:497.8 lm



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

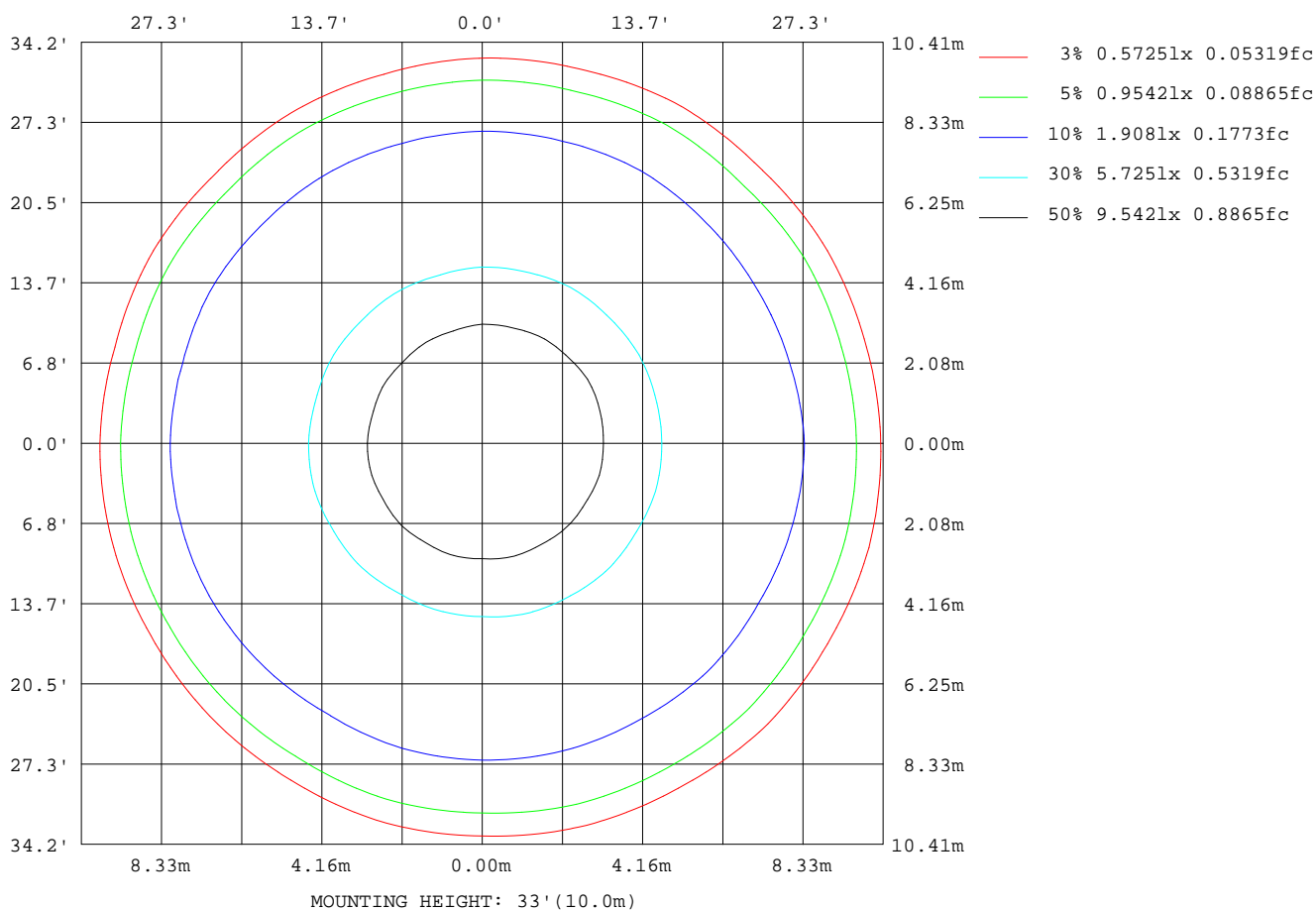
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-10-22

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

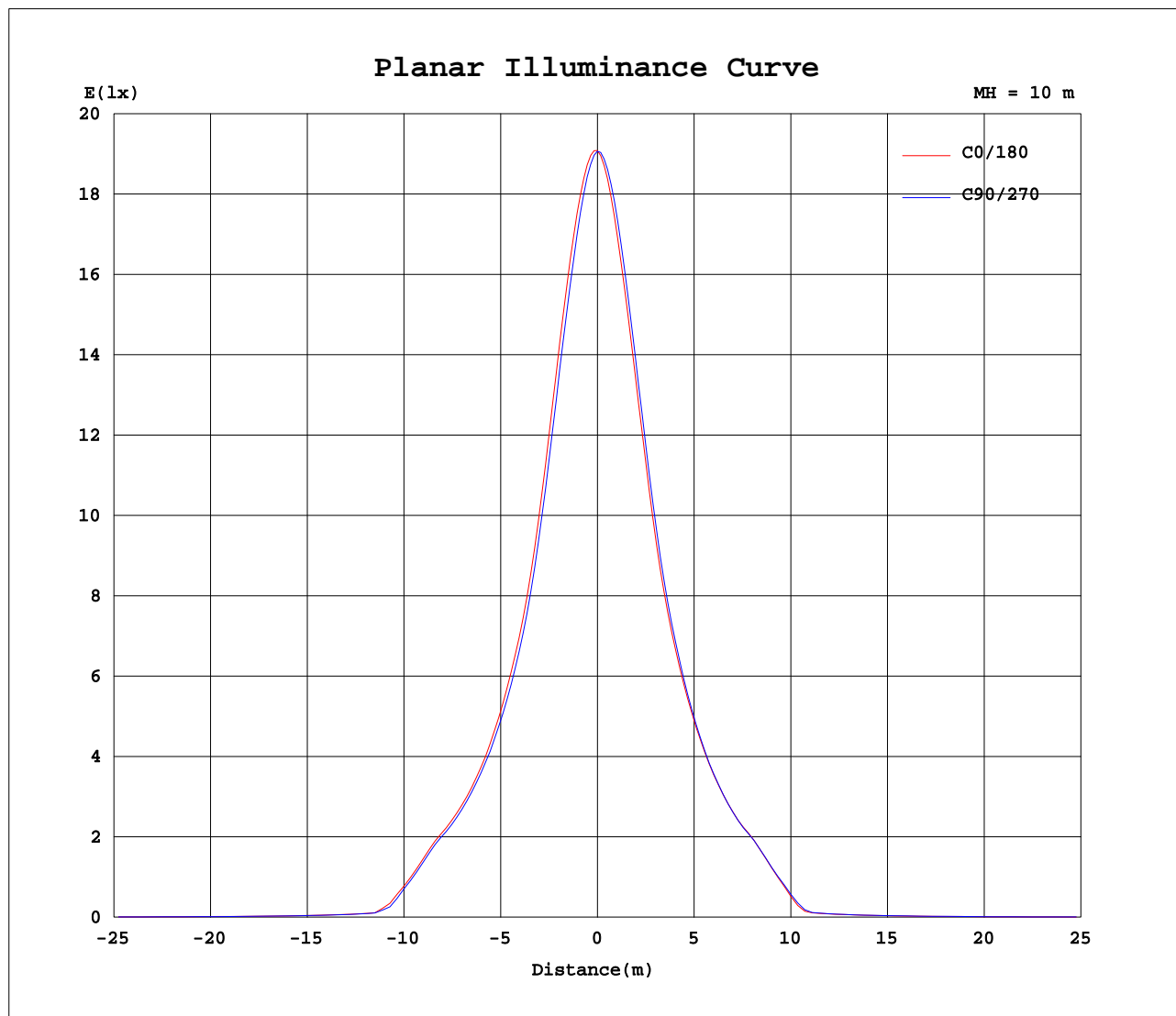
Test:U:226.5V I:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-10-22

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: 2015-10-22

$\gamma$  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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 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	1908	1908	1908	1907	1907	1907	1907	1908	1907	1908	1907	1908	1908	1908	1908	1907	1907	1907	1907
5	1819	1819	1805	1804	1789	1787	1774	1775	1762	1766	1756	1763	1765	1759	1772	1770	1786	1786	1804
10	1572	1570	1548	1543	1523	1522	1504	1504	1486	1492	1483	1490	1493	1480	1494	1488	1512	1513	1543
15	1252	1254	1228	1227	1201	1205	1185	1193	1175	1185	1169	1180	1180	1161	1176	1166	1191	1192	1226
20	961	967	947	948	932	932	911	914	901	913	903	915	914	901	911	902	918	917	944
25	768	770	756	759	747	746	730	727	718	729	725	735	731	722	726	721	729	728	745
30	618	621	613	617	605	606	596	592	583	590	588	592	589	580	584	581	585	583	592
35	509	506	499	504	494	495	489	485	476	479	482	481	477	471	477	474	477	472	476
40	422	418	413	418	409	408	403	397	381	382	383	379	377	368	376	368	374	372	378
45	220	227	223	228	215	213	199	193	173	164	152	151	147	133	141	131	145	146	161
50	36.5	37.1	37.0	37.0	36.5	36.0	35.1	35.3	34.5	34.1	32.8	32.6	32.1	31.8	32.2	32.4	33.3	33.3	34.3
55	27.5	27.4	27.1	27.2	26.9	26.7	26.2	26.3	25.7	25.3	25.1	25.0	24.7	24.4	24.6	24.7	25.0	25.0	25.5
60	21.9	21.8	21.7	22.0	21.9	21.6	21.4	21.6	21.2	20.9	20.7	20.6	19.9	19.4	19.6	19.4	19.8	20.0	20.5
65	17.9	17.7	17.9	18.3	18.1	17.9	17.7	18.1	17.3	17.1	16.8	16.5	15.9	15.6	16.2	16.1	15.8	15.9	16.5
70	15.4	14.8	15.0	15.6	16.2	15.8	15.4	15.1	14.4	14.4	14.3	13.6	12.9	13.2	14.7	14.9	13.9	13.7	13.7
75	14.0	13.8	13.7	14.3	15.4	14.9	14.6	13.7	13.3	13.4	13.1	12.3	11.5	11.8	14.0	13.9	13.0	12.6	12.7
80	13.0	12.7	12.8	13.2	11.3	13.5	13.4	12.8	12.8	12.7	12.6	12.1	12.0	12.8	14.6	14.8	8.31	13.4	12.7
85	11.1	12.9	12.7	12.8	4.46	12.7	12.2	11.8	10.8	11.0	10.1	10.0	9.77	9.53	10.2	10.2	3.49	11.4	11.8
90	2.68	3.30	3.27	3.42	2.70	2.98	2.79	2.80	2.66	2.66	2.80	2.70	3.09	3.25	3.26	3.22	2.97	3.06	3.12
95	2.67	2.75	2.89	3.04	2.71	2.72	2.68	2.75	2.69	2.68	2.71	2.67	3.18	3.25	3.21	3.24	3.16	3.23	3.18
100	2.79	2.88	2.85	2.95	2.89	2.83	2.82	2.90	2.82	2.81	2.97	2.84	3.38	3.49	3.42	3.47	3.42	3.40	3.35
105	3.08	3.07	3.06	3.07	3.17	3.07	3.09	3.12	3.12	3.11	3.18	3.14	3.71	3.79	3.74	3.75	3.77	3.71	3.66
110	3.45	3.43	3.43	3.43	3.51	3.44	3.47	3.48	3.50	3.51	3.54	3.54	4.08	4.16	4.10	4.12	4.15	4.07	4.03
115	3.91	3.89	3.90	3.89	3.92	3.91	3.95	3.95	4.00	4.00	4.04	4.03	4.53	4.58	4.54	4.56	4.50	4.51	4.45
120	4.47	4.44	4.46	4.44	4.47	4.48	4.53	4.52	4.59	4.59	4.63	4.62	5.09	5.11	5.09	5.10	5.04	5.04	5.00
125	5.13	5.10	5.13	5.12	5.16	5.15	5.21	5.22	5.28	5.27	5.33	5.32	5.75	5.78	5.74	5.75	5.69	5.69	5.63
130	5.90	5.86	5.89	5.88	5.93	5.92	5.98	5.99	6.05	6.05	6.12	6.10	6.49	6.52	6.47	6.48	6.42	6.41	6.36
135	6.70	6.66	6.70	6.69	6.73	6.73	6.79	6.80	6.86	6.85	6.91	6.91	7.25	7.27	7.24	7.24	7.18	7.18	7.11
140	7.49	7.46	7.49	7.48	7.51	7.52	7.57	7.57	7.62	7.62	7.67	7.67	7.95	7.97	7.94	7.95	7.90	7.89	7.83
145	8.17	8.14	8.17	8.15	8.18	8.18	8.22	8.21	8.25	8.26	8.30	8.29	8.51	8.52	8.50	8.50	8.46	8.45	8.40
150	8.68	8.65	8.67	8.66	8.68	8.68	8.70	8.70	8.73	8.74	8.77	8.76	8.94	8.95	8.93	8.93	8.90	8.89	8.85
155	9.14	9.12	9.13	9.11	9.13	9.12	9.15	9.14	9.18	9.18	9.21	9.21	9.38	9.39	9.37	9.38	9.34	9.35	9.30
160	9.57	9.55	9.56	9.53	9.55	9.54	9.56	9.55	9.59	9.58	9.61	9.61	9.78	9.78	9.77	9.78	9.75	9.75	9.72
165	9.94	9.91	9.92	9.90	9.91	9.89	9.91	9.89	9.93	9.93	9.96	9.96	10.1	10.1	10.1	10.1	10.1	10.1	10.1
170	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.4	10.4	10.3	10.3	10.3	10.3	10.3
175	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.5	10.5	10.5	10.5	10.5
180	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2015-10-22

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:0.0820A P:17.70W PF:0.9440 Lamp Flux:1384.9x1 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	1908	1907	1908	1907	1908														
5	1807	1822	1820	1831	1821														
10	1548	1574	1570	1588	1575														
15	1228	1254	1251	1273	1260														
20	947	969	969	984	967														
25	750	765	761	771	766														
30	598	610	606	610	614														
35	481	491	487	488	495														
40	382	394	391	395	405														
45	170	191	187	207	210														
50	34.5	35.4	35.7	36.4	36.2														
55	25.7	26.4	26.3	27.0	27.2														
60	20.7	21.0	20.8	21.4	21.6														
65	16.7	17.1	17.0	17.6	17.9														
70	13.7	14.6	14.5	15.3	15.9														
75	12.7	13.5	12.6	9.88	14.1														
80	12.6	12.9	4.22	5.45	4.74														
85	11.7	10.2	3.51	11.3	9.61														
90	3.13	2.98	2.86	3.38	3.17														
95	3.24	3.13	3.03	3.09	3.14														
100	3.41	3.34	3.27	3.26	3.30														
105	3.70	3.64	3.59	3.56	3.59														
110	4.06	4.00	4.01	3.94	3.96														
115	4.46	4.42	4.40	4.37	4.38														
120	4.98	4.94	4.93	4.90	4.91														
125	5.62	5.57	5.57	5.53	5.55														
130	6.35	6.29	6.28	6.24	6.25														
135	7.11	7.04	7.04	7.00	7.01														
140	7.83	7.77	7.77	7.73	7.75														
145	8.41	8.37	8.37	8.33	8.34														
150	8.85	8.82	8.82	8.79	8.81														
155	9.30	9.27	9.28	9.25	9.26														
160	9.72	9.69	9.70	9.67	9.68														
165	10.1	10.0	10.0	10.0	10.0														
170	10.3	10.3	10.3	10.3	10.3														
175	10.5	10.5	10.5	10.5	10.5														
180	10.7	10.7	10.7	10.7	10.7														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2015-10-22

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: