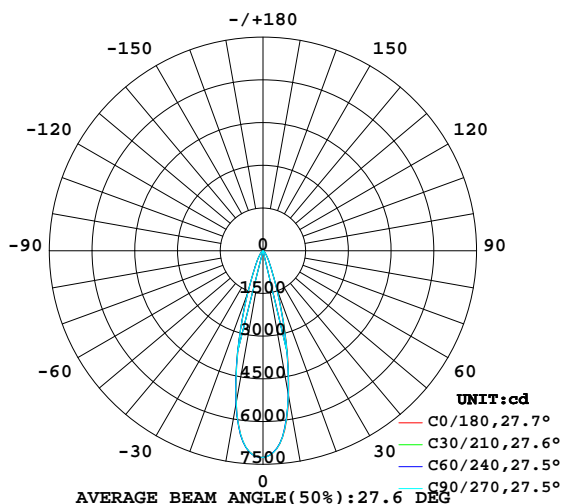


## LUMINAIRE PHOTOMETRIC TEST REPORT

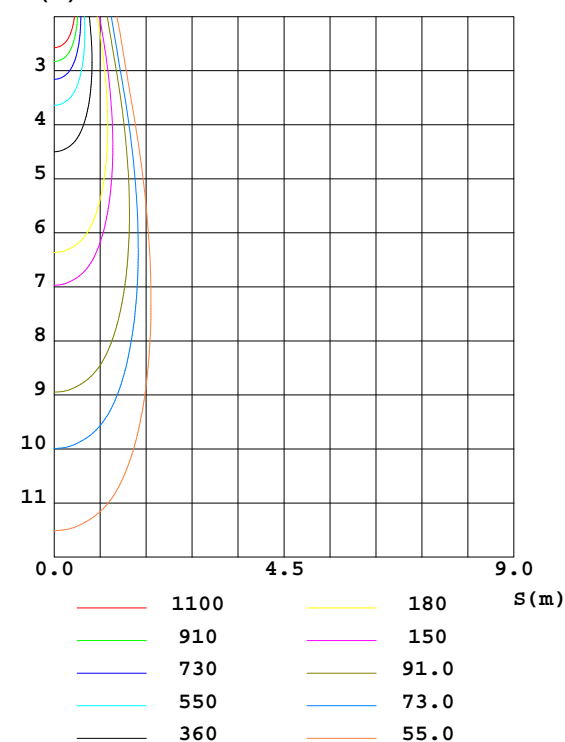
Test:U:226.5V I:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.54 lm/W			
MODEL	DL08-20W-830-W-28-02	Imax(cd)	7258	S/MH(C0/180)	0.45
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	2141.5	$\eta$ UP,DN(C0-180)	1.3,48.0
NOMINAL FLUX(lm)	2141.49	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.4,49.4
LAMPS INSIDE	1	$\eta$ up(%)	2.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	226.5	$\eta$ down(%)	97.3	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:2016-08-31

$\gamma$  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:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	5195	5182	5140	5334	5417	5394	5432	5261	0- 10	605.2	605.2	28.3,28.3
20	1430	1429	1387	1503	1567	1513	1559	1442	10- 20	850.2	1455	68,68
30	406.2	409.0	400.9	412.6	424.9	420.3	420.2	406.6	20- 30	347.4	1803	84.2,84.2
40	154.0	155.3	151.5	156.5	157.8	157.3	157.6	153.5	30- 40	159.6	1962	91.6,91.6
50	53.26	54.22	51.53	54.75	54.38	55.08	55.46	53.72	40- 50	76.51	2039	95.2,95.2
60	10.23	9.998	9.863	9.674	9.635	10.04	10.00	10.42	50- 60	23.66	2062	96.3,96.3
70	7.153	7.116	6.963	6.727	6.641	6.783	6.688	6.997	60- 70	8.100	2071	96.7,96.7
80	6.858	6.807	6.650	6.430	6.624	6.689	6.457	6.903	70- 80	7.216	2078	97,97
90	4.540	4.269	4.332	4.338	5.430	5.470	5.096	5.366	80- 90	6.427	2084	97.3,97.3
100	4.054	4.372	3.874	4.277	5.698	5.948	5.378	6.009	90-100	5.349	2090	97.6,97.6
110	4.557	4.558	4.422	4.459	5.956	5.992	5.784	6.140	100-110	5.596	2095	97.8,97.8
120	6.315	6.181	6.225	6.079	7.054	6.998	6.913	7.052	110-120	5.729	2101	98.1,98.1
130	9.700	9.623	9.688	9.481	10.04	9.988	9.948	10.03	120-130	7.194	2108	98.4,98.4
140	13.74	13.74	13.78	13.65	13.93	13.91	13.88	14.01	130-140	9.128	2117	98.9,98.9
150	16.52	16.51	16.53	16.47	16.67	16.66	16.64	16.72	140-150	9.621	2127	99.3,99.3
160	17.68	17.69	17.71	17.68	17.80	17.79	17.79	17.82	150-160	7.975	2135	99.7,99.7
170	17.29	17.33	17.33	17.39	17.50	17.51	17.55	17.54	160-170	5.030	2140	99.9,99.9
180	17.24	17.27	17.29	17.33	17.26	17.26	17.30	17.32	170-180	1.644	2141	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

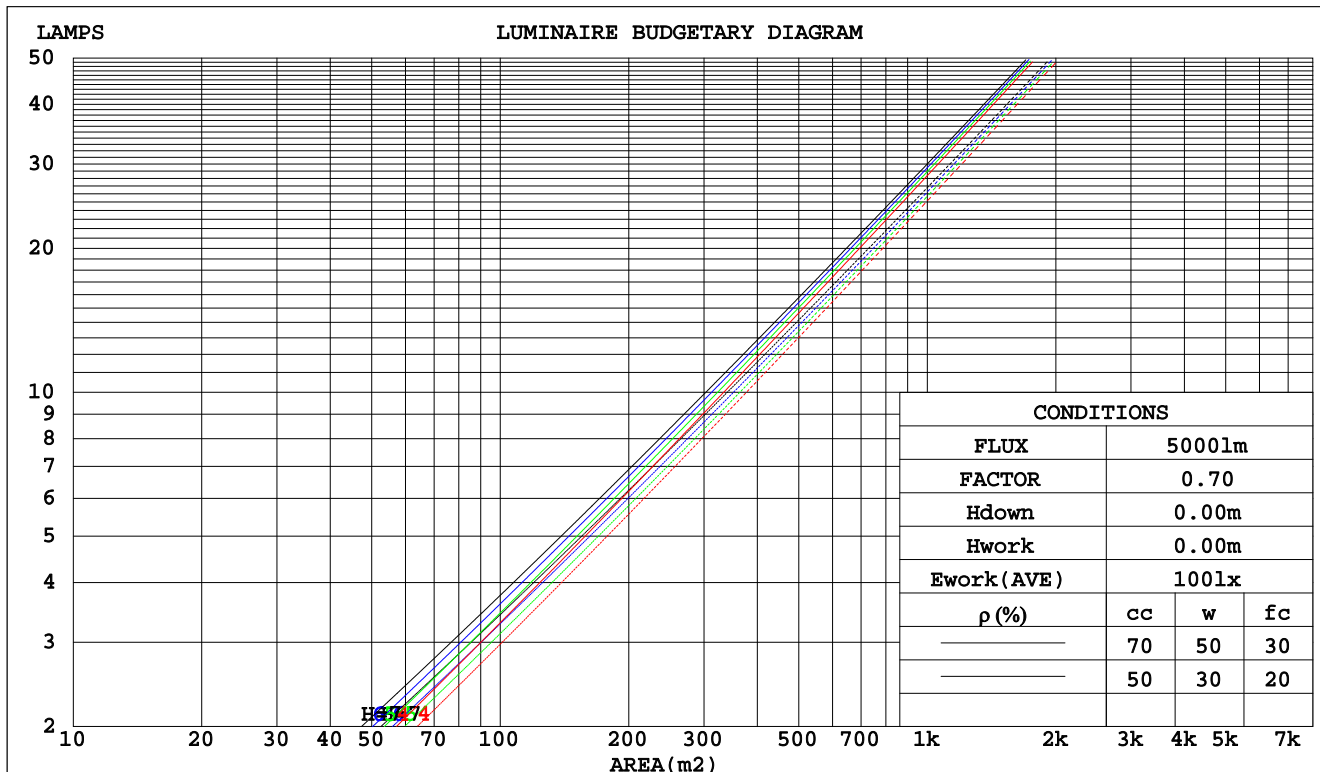
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

$\gamma$  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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 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	1.00	.99	.98	.96	.95	.95	.93
2.0	1.05	1.02	.99	1.03	.00	.97	.99	.97	.95	.96	.94	.92	.93	.92	.90	.89
3.0	.00	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.94	.89	.86	.91	.88	.85	.89	.86	.84	.87	.84	.82	.81
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.82	.80	.84	.81	.79	.78
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.77	.81	.78	.76	.75
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.72	.80	.75	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
9.0	.77	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.72	.68	.66	.65



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 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	.157	.089	.028	.149	.085	.027	.135	.078	.025	.123	.071	.023	.111	.064	.021	
2.0	.146	.080	.025	.140	.077	.024	.128	.071	.022	.117	.066	.021	.107	.060	.019	
3.0	.136	.073	.022	.131	.070	.021	.121	.066	.020	.112	.061	.019	.103	.057	.018	
4.0	.128	.066	.020	.123	.065	.019	.115	.061	.018	.107	.057	.017	.099	.054	.016	
5.0	.121	.061	.018	.117	.060	.017	.109	.057	.017	.102	.054	.016	.096	.051	.015	
6.0	.114	.057	.016	.111	.056	.016	.104	.053	.016	.098	.051	.015	.092	.048	.014	
7.0	.108	.054	.015	.105	.052	.015	.099	.050	.014	.094	.048	.014	.089	.046	.014	
8.0	.103	.050	.014	.100	.049	.014	.095	.048	.014	.090	.046	.013	.086	.044	.013	
9.0	.098	.048	.013	.096	.047	.013	.091	.045	.013	.087	.044	.012	.083	.042	.012	
10.0	.094	.045	.013	.092	.044	.012	.088	.043	.012	.084	.042	.012	.080	.040	.012	

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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.190	.178	.167	.163	.153	.144	.111	.105	.099	.064	.061	.058	.021	.020	.019	
2.0	.173	.153	.136	.149	.132	.118	.102	.091	.082	.059	.053	.048	.019	.017	.016	
3.0	.160	.134	.114	.137	.116	.099	.094	.080	.069	.054	.047	.041	.017	.015	.013	
4.0	.148	.119	.097	.127	.103	.084	.087	.072	.059	.050	.042	.035	.016	.014	.012	
5.0	.138	.107	.084	.118	.093	.073	.082	.065	.052	.047	.038	.031	.015	.012	.010	
6.0	.130	.097	.074	.111	.084	.065	.077	.059	.046	.045	.035	.027	.014	.011	.009	
7.0	.122	.090	.067	.105	.078	.058	.073	.054	.041	.042	.032	.024	.014	.010	.008	
8.0	.116	.083	.060	.100	.072	.053	.069	.051	.037	.040	.030	.022	.013	.010	.007	
9.0	.110	.078	.055	.095	.067	.048	.066	.047	.034	.038	.028	.020	.012	.009	.007	
10.0	.106	.073	.051	.091	.063	.045	.063	.045	.032	.037	.026	.019	.012	.009	.006	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 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	17.0	17.7	17.2	17.9	18.1	16.8	17.6	17.1	17.8	18.0
	3H	17.0	17.7	17.3	17.9	18.1	16.8	17.5	17.1	17.7	18.0
	4H	17.0	17.7	17.3	17.9	18.2	16.9	17.5	17.2	17.8	18.0
	6H	17.2	17.8	17.5	18.1	18.4	17.0	17.7	17.4	17.9	18.2
	8H	17.4	18.0	17.7	18.3	18.6	17.2	17.8	17.5	18.1	18.4
	12H	17.6	18.1	17.9	18.4	18.8	17.4	17.9	17.7	18.2	18.6
4H	2H	16.8	17.5	17.1	17.7	18.0	16.7	17.3	17.0	17.6	17.8
	3H	16.8	17.4	17.2	17.7	18.0	16.7	17.3	17.0	17.6	17.9
	4H	17.0	17.5	17.4	17.8	18.2	16.8	17.4	17.2	17.7	18.0
	6H	17.3	17.8	17.8	18.2	18.6	17.2	17.6	17.6	18.0	18.4
	8H	17.6	18.1	18.1	18.5	18.9	17.5	17.9	17.9	18.3	18.7
	12H	17.9	18.3	18.4	18.8	19.2	17.8	18.1	18.2	18.6	19.0
8H	4H	17.0	17.4	17.4	17.8	18.2	16.8	17.3	17.3	17.7	18.1
	6H	17.5	17.9	18.0	18.3	18.8	17.4	17.7	17.8	18.2	18.6
	8H	18.0	18.3	18.4	18.7	19.2	17.8	18.1	18.3	18.6	19.1
	12H	18.5	18.7	19.0	19.2	19.7	18.3	18.5	18.8	19.0	19.5
12H	4H	17.0	17.4	17.4	17.8	18.2	16.8	17.2	17.3	17.6	18.1
	6H	17.6	17.9	18.1	18.4	18.8	17.4	17.7	17.9	18.2	18.7
	8H	18.1	18.4	18.6	18.8	19.4	17.9	18.2	18.4	18.7	19.2
Variations with the observer position at spacings:											
S = 1.0H	+ 1.5 / - 2.2					+ 1.4 / - 2.3					
1.5H	+ 2.4 / - 2.4					+ 2.3 / - 2.4					
2.0H	+ 3.1 / - 1.6					+ 3.2 / - 1.6					

CIE Pub.117 Corrected 2141 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

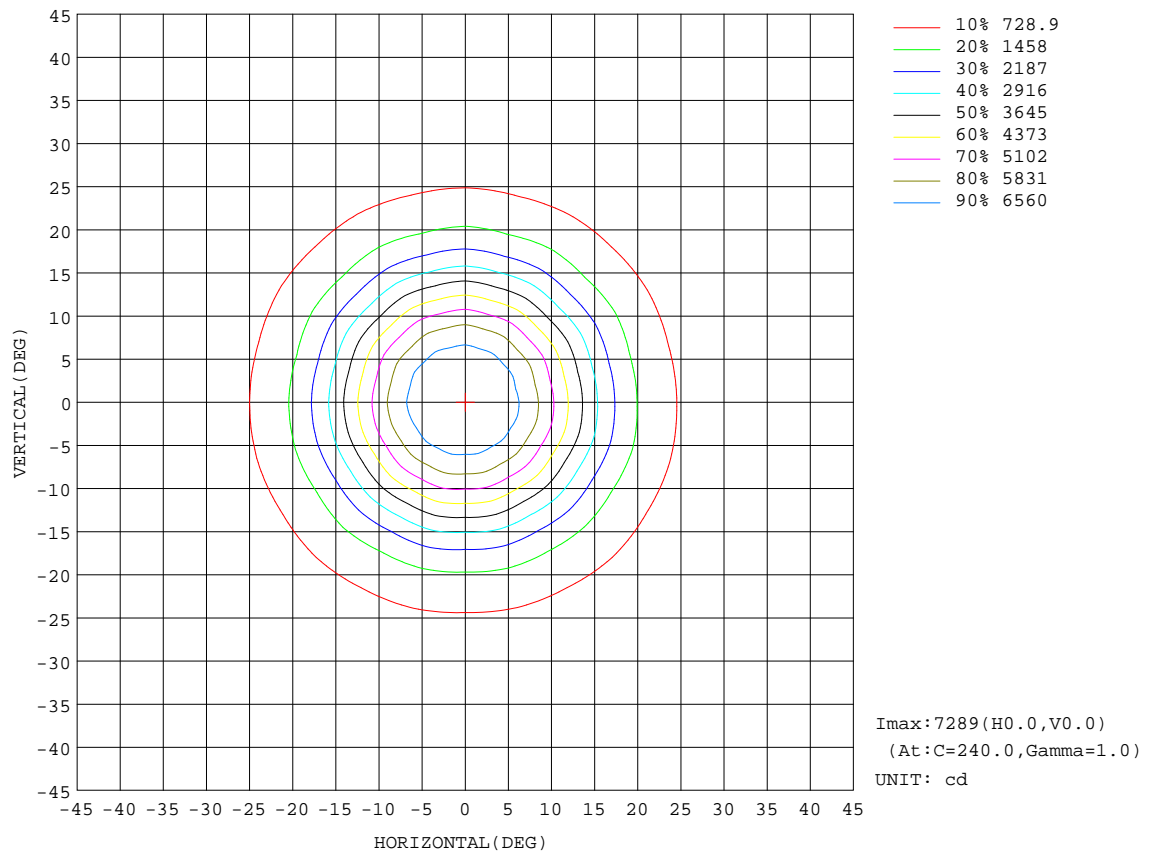
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	98	92	89	97	92	88	95	91	88	84
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	97	103	99	96	101	97	95	90
2.00	107	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	106	105	103	95
5.00	114	112	110	112	110	108	107	106	105	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:2016-08-31

$\gamma$  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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

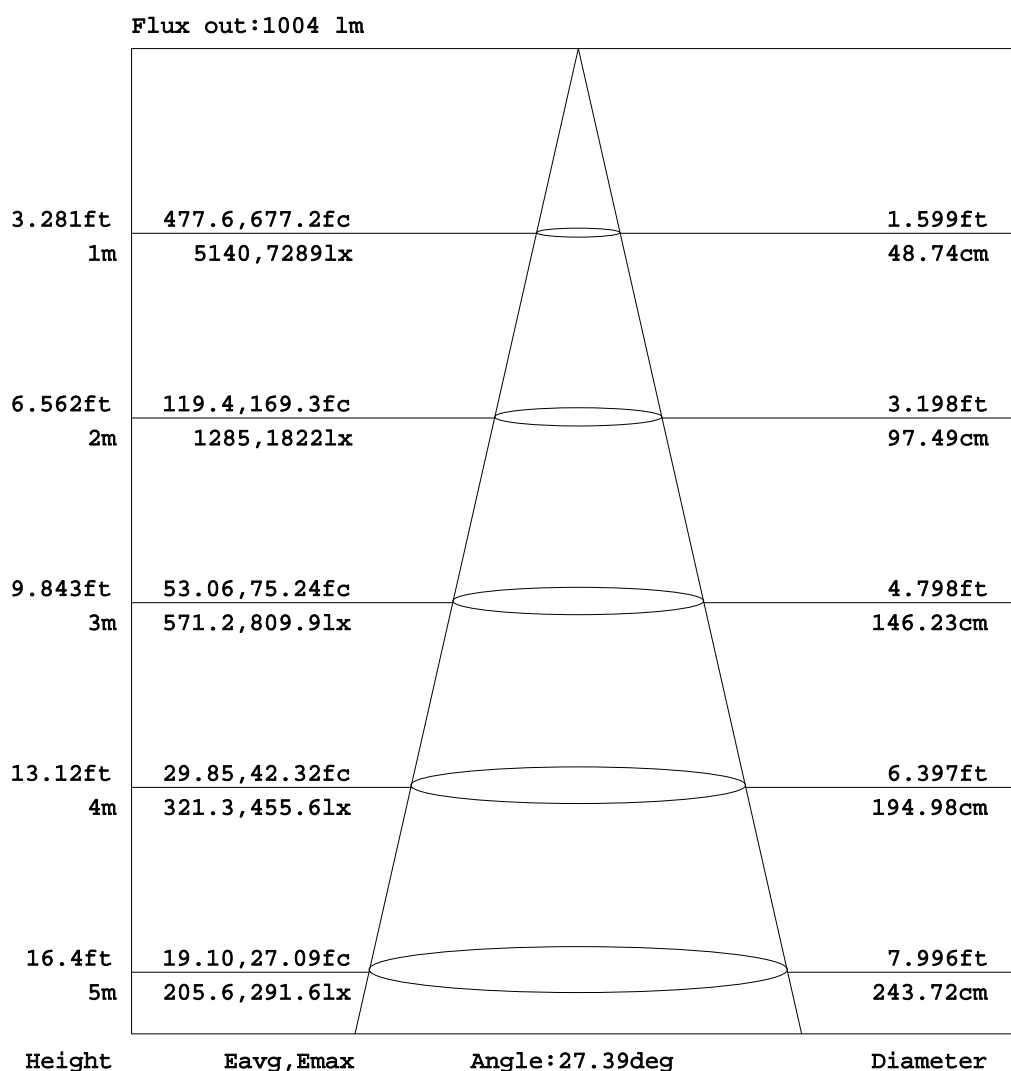


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-31

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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



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

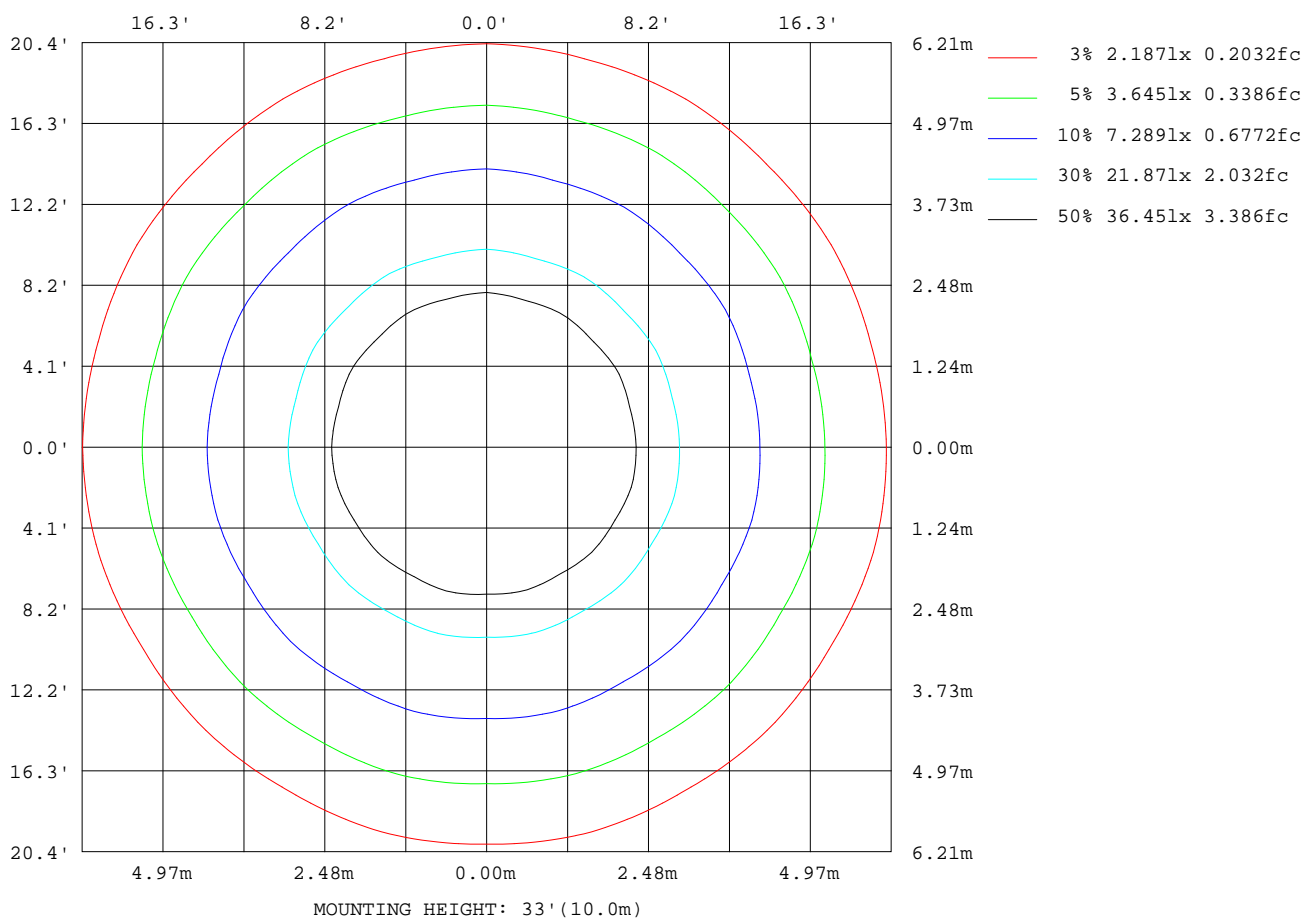
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-31

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

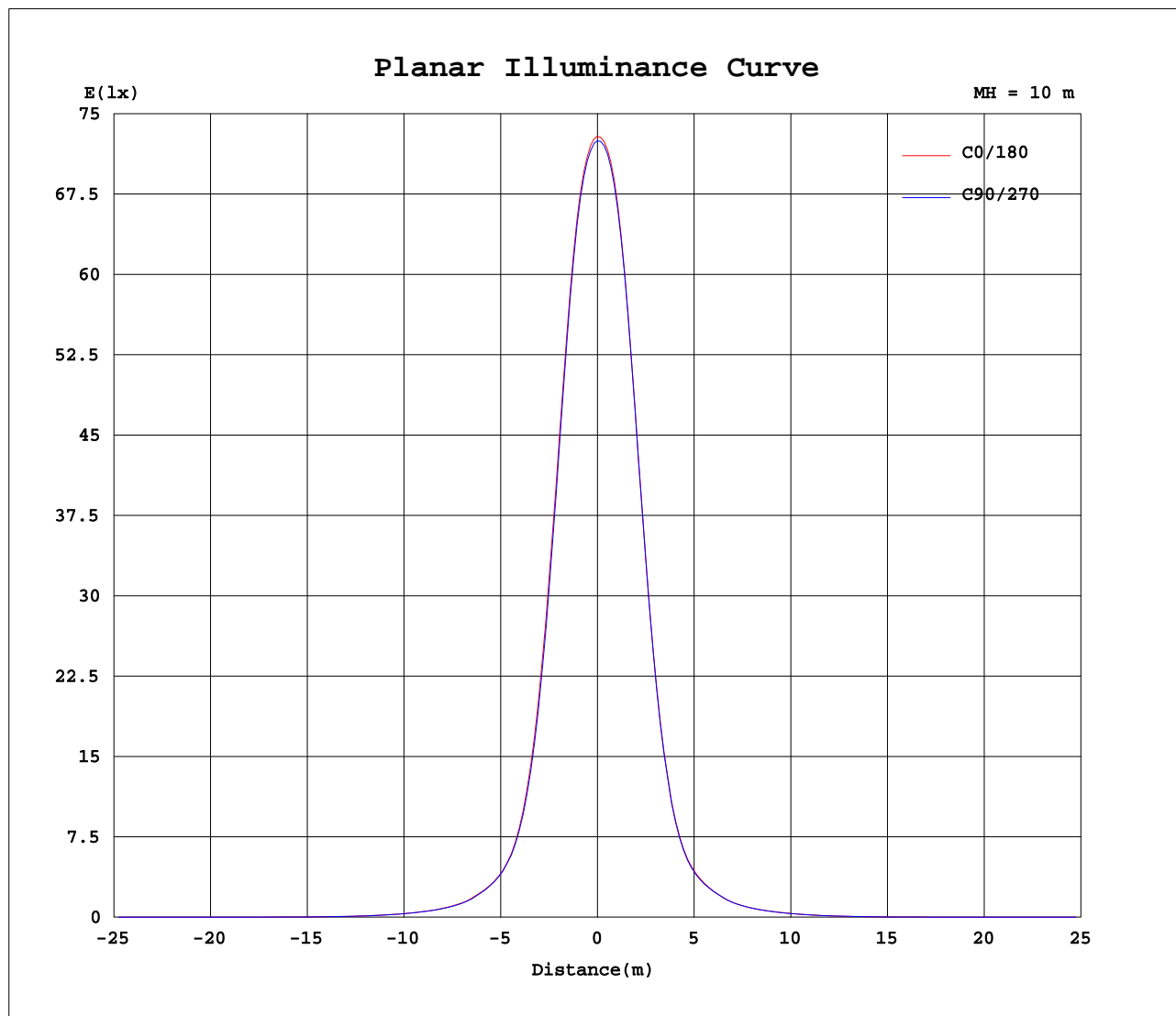
Test:U:226.5V I:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-08-31

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: 2016-08-31

$\gamma$  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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 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	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254	7254
5	6812	6822	6786	6810	6787	6818	6801	6847	6833	6885	6876	6918	6920	6897	6929	6905	6936	6895	6916
10	5195	5222	5132	5182	5106	5181	5140	5244	5217	5334	5315	5416	5417	5366	5466	5394	5472	5376	5432
15	3033	3077	2974	3021	2934	3007	2948	3047	3006	3129	3106	3231	3241	3178	3288	3197	3288	3174	3249
20	1430	1477	1405	1429	1387	1419	1387	1431	1414	1503	1468	1559	1567	1507	1591	1513	1585	1497	1559
25	683	693	683	689	679	685	679	692	690	706	698	726	725	713	731	713	725	705	714
30	406	412	403	409	401	408	401	408	403	413	410	423	425	421	428	420	425	417	420
35	242	245	239	242	237	241	238	242	240	246	243	250	250	247	251	248	251	247	250
40	154	156	153	155	153	154	151	154	153	156	156	158	158	157	159	157	159	156	158
45	96.1	97.6	96.5	98.2	96.2	96.2	95.1	97.1	96.7	99.0	99.2	99.8	99.9	98.8	101	99.0	101	98.0	99.3
50	53.3	54.1	53.3	54.2	52.7	52.6	51.5	53.0	53.0	54.7	54.0	54.7	54.4	54.0	56.1	55.1	56.0	54.1	55.5
55	24.1	25.0	24.5	24.9	23.6	23.3	22.6	23.8	24.0	24.9	23.8	24.2	23.9	24.2	26.0	25.3	25.8	24.4	25.1
60	10.2	10.3	10.1	10.00	9.58	9.21	9.86	9.91	9.86	9.67	9.15	8.78	9.63	9.86	10.1	10.0	9.69	9.05	10.0
65	7.99	8.68	8.78	8.52	8.00	7.62	8.34	8.22	8.16	7.96	7.29	7.46	7.79	7.80	7.92	7.80	7.99	7.16	8.08
70	7.15	7.21	7.18	7.12	7.09	7.06	6.96	6.93	6.91	6.73	6.89	6.90	6.64	6.72	6.73	6.78	6.79	6.74	6.69
75	7.01	7.08	7.05	7.00	6.98	6.94	6.84	6.80	6.80	6.57	6.84	6.80	6.59	6.65	6.64	6.68	6.69	6.65	6.52
80	6.86	6.91	6.86	6.81	6.78	6.75	6.65	6.63	6.62	6.43	6.67	6.67	6.62	6.69	6.65	6.69	6.70	6.67	6.46
85	5.16	5.47	5.43	5.29	5.29	5.27	4.99	5.08	4.98	4.88	5.08	5.14	5.51	5.57	5.62	5.61	5.69	5.68	5.35
90	4.54	4.45	4.26	4.27	4.21	4.31	4.33	4.34	4.19	4.34	4.34	4.46	5.43	5.40	5.48	5.47	5.58	5.41	5.10
95	4.17	4.09	4.03	4.02	3.98	4.00	3.99	4.02	3.87	3.92	3.99	4.03	5.57	5.48	5.42	5.45	5.44	5.44	5.25
100	4.05	4.49	4.44	4.37	4.46	4.30	3.87	4.26	3.81	4.28	4.33	4.29	5.70	6.05	6.04	5.95	5.94	5.81	5.38
105	4.15	4.90	4.94	4.72	4.65	4.40	3.99	4.30	3.82	4.57	4.68	4.45	5.79	6.21	6.41	6.34	6.40	6.15	5.61
110	4.56	4.73	4.67	4.56	4.53	4.53	4.42	4.43	4.28	4.46	4.50	4.47	5.96	6.03	6.02	5.99	5.99	5.96	5.78
115	5.27	5.24	5.21	5.14	5.16	5.14	5.16	5.09	5.02	5.05	5.11	5.08	6.32	6.33	6.27	6.26	6.26	6.25	6.13
120	6.31	6.25	6.27	6.18	6.22	6.18	6.23	6.13	6.10	6.08	6.16	6.09	7.05	7.06	6.99	7.00	6.97	6.99	6.91
125	7.80	7.74	7.78	7.69	7.74	7.67	7.75	7.62	7.62	7.56	7.63	7.54	8.31	8.31	8.23	8.25	8.21	8.25	8.18
130	9.70	9.63	9.70	9.62	9.68	9.61	9.69	9.55	9.56	9.48	9.53	9.43	10.0	10.0	9.96	9.99	9.94	9.99	9.95
135	11.8	11.7	11.8	11.7	11.8	11.7	11.8	11.7	11.7	11.6	11.6	11.5	12.0	12.0	11.9	12.0	11.9	12.0	11.9
140	13.7	13.7	13.8	13.7	13.8	13.7	13.8	13.7	13.7	13.6	13.7	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9
145	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.5	15.6	15.5	15.5	15.5	15.5	15.5
150	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.4	16.7	16.7	16.6	16.7	16.6	16.7	16.6
155	17.3	17.2	17.3	17.2	17.3	17.2	17.3	17.2	17.2	17.2	17.2	17.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4
160	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8
165	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	17.7	17.8	17.7	17.8	17.9	17.8	17.9	17.9	17.9	17.9	17.9
170	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.6
175	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2
180	17.2	17.3	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.2	17.3	17.3	17.3	17.3	17.3

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

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:0.0930A P:20.10W PF:0.9540 Lamp Flux:2141.49x1 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	7254	7254	7254	7254	7254														
5	6876	6892	6847	6861	6807														
10	5325	5370	5261	5301	5180														
15	3124	3190	3073	3141	3019														
20	1465	1527	1442	1504	1415														
25	692	702	688	693	682														
30	412	416	407	410	404														
35	244	245	240	244	240														
40	155	156	154	155	153														
45	97.4	98.4	96.5	97.3	94.8														
50	54.2	55.2	53.7	54.3	52.3														
55	24.8	26.1	25.4	25.3	23.5														
60	10.2	10.3	10.4	9.90	9.20														
65	8.25	9.08	9.24	8.55	7.42														
70	6.82	6.93	7.00	7.01	7.08														
75	6.72	6.84	6.91	6.90	6.98														
80	6.74	6.85	6.90	6.90	7.00														
85	5.68	5.79	5.80	5.61	5.94														
90	5.48	5.49	5.37	5.38	5.37														
95	5.48	5.48	5.51	5.39	5.54														
100	5.97	5.97	6.01	5.98	6.10														
105	6.21	6.54	6.66	6.72	6.50														
110	5.92	6.01	6.14	6.15	6.19														
115	6.13	6.24	6.31	6.31	6.40														
120	6.98	6.88	7.05	7.05	7.14														
125	8.22	8.16	8.26	8.33	8.43														
130	10.0	9.98	10.0	10.0	10.2														
135	12.0	12.0	12.1	12.1	12.1														
140	14.0	13.9	14.0	14.0	14.1														
145	15.6	15.5	15.6	15.6	15.6														
150	16.7	16.7	16.7	16.7	16.7														
155	17.4	17.4	17.4	17.4	17.4														
160	17.8	17.8	17.8	17.8	17.8														
165	17.9	17.9	17.9	17.9	17.9														
170	17.5	17.5	17.5	17.5	17.5														
175	17.2	17.2	17.2	17.2	17.2														
180	17.3	17.3	17.3	17.3	17.3														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-08-31

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: