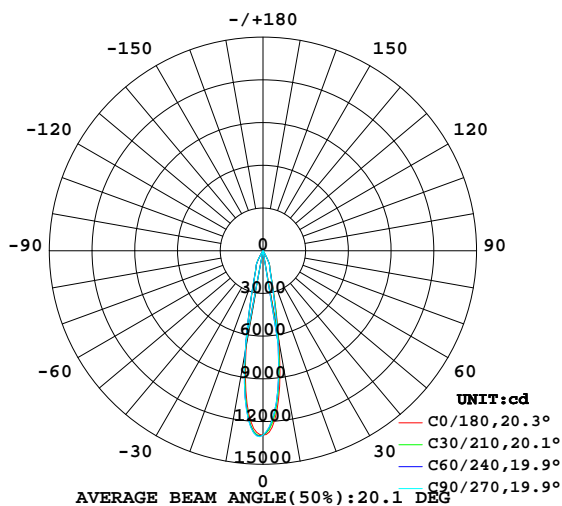


## LUMINAIRE PHOTOMETRIC TEST REPORT

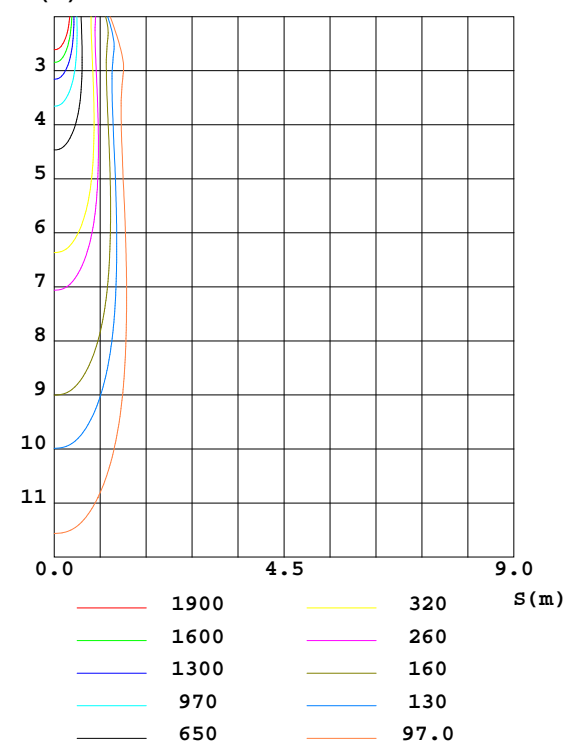
Test:U:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.38 lm/W			
MODEL	SD031-30W-940-W-20	Imax(cd)	13059	S/MH(C0/180)	0.34
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	2439.3	η UP,DN(C0-180)	1.2,46.9
NOMINAL FLUX(lm)	2439.28	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,50.5
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	226.6	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:2016-09-08

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	644.4	607.3	583.5	626.8	680.9	691.5	720.7	673.0	0- 10	924.2	924.2	37.9,37.9
20	151.2	153.8	145.6	150.9	155.9	154.2	159.9	151.1	10- 20	839.8	1764	72.3,72.3
30	36.52	37.53	36.82	40.76	43.71	45.61	49.39	43.36	20- 30	467.8	2232	91.5,91.5
40	4.012	4.199	3.992	3.983	4.054	4.219	4.358	4.196	30- 40	77.11	2309	94.7,94.7
50	2.156	2.216	2.261	2.268	2.194	2.256	2.300	2.248	40- 50	23.15	2332	95.6,95.6
60	1.348	1.333	1.326	1.350	1.319	1.363	1.344	1.330	50- 60	15.29	2347	96.2,96.2
70	1.015	1.013	0.9960	0.9914	0.9876	0.9979	0.9933	0.9865	60- 70	11.53	2359	96.7,96.7
80	0.7481	0.7452	0.7364	0.7369	0.7388	0.7465	0.7404	0.7372	70- 80	9.126	2368	97.1,97.1
90	0.4946	0.4813	0.4764	0.4766	0.5911	0.6027	0.5975	0.5936	80- 90	7.025	2375	97.4,97.4
100	0.3709	0.3617	0.3613	0.3582	0.6016	0.6058	0.6034	0.6007	90-100	5.513	2381	97.6,97.6
110	0.4750	0.4748	0.4813	0.4750	0.6392	0.6422	0.6411	0.6381	100-110	5.406	2386	97.8,97.8
120	0.6463	0.6457	0.6543	0.6460	0.7569	0.7585	0.7544	0.7552	110-120	6.180	2392	98.1,98.1
130	1.069	1.076	1.091	1.071	1.123	1.116	1.106	1.115	120-130	7.755	2400	98.4,98.4
140	1.646	1.653	1.665	1.646	1.665	1.659	1.653	1.662	130-140	10.67	2411	98.8,98.8
150	1.951	1.953	1.960	1.946	1.976	1.975	1.972	1.974	140-150	11.46	2422	99.3,99.3
160	2.077	2.076	2.081	2.075	2.087	2.087	2.089	2.086	150-160	9.405	2431	99.7,99.7
170	2.041	2.040	2.045	2.047	2.065	2.067	2.076	2.069	160-170	5.914	2437	99.9,99.9
180	1.905	1.911	1.922	1.928	1.905	1.911	1.922	1.928	170-180	1.902	2439	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

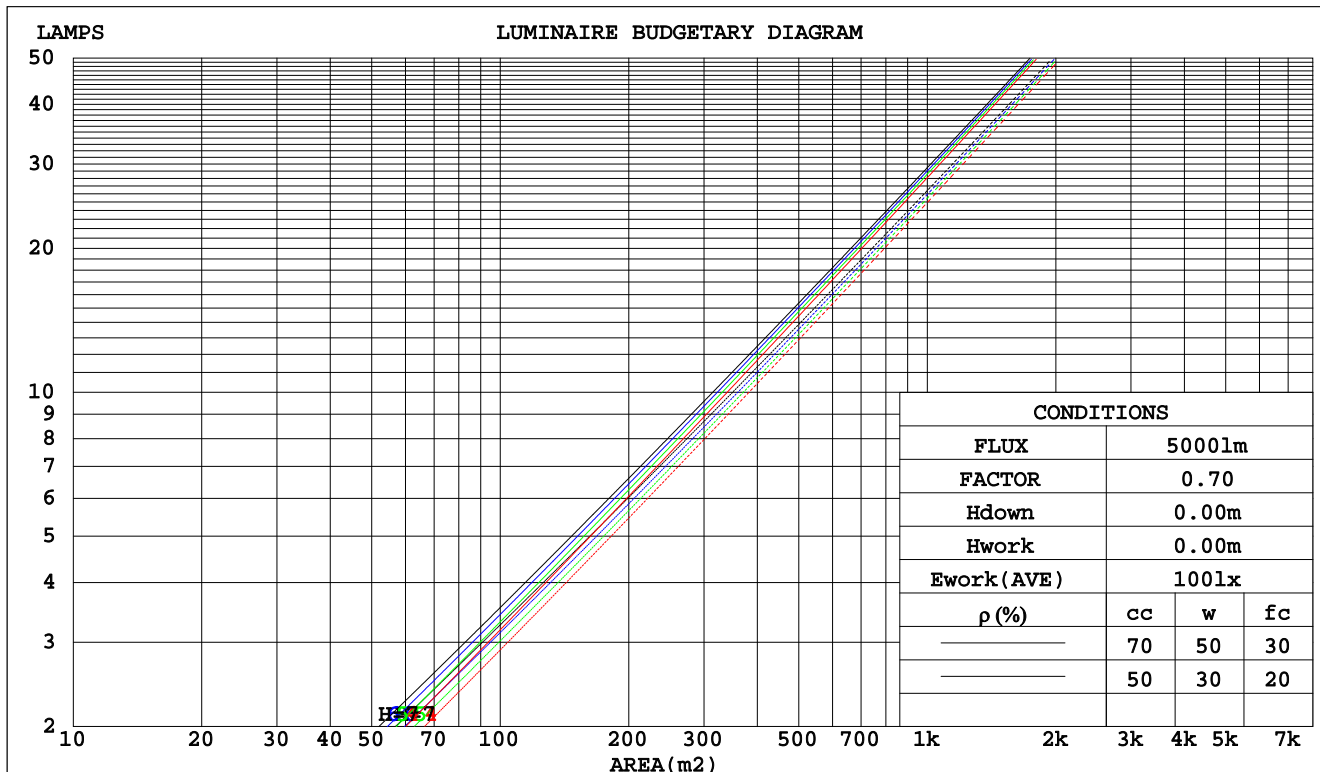
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 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	1.12	1.10	1.08	1.09	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94														
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.97	.97	.96	.94	.94	.93	.92	.90														
3.0	1.01	.98	.95	.00	.96	.94	.97	.94	.92	.94	.92	.90	.92	.90	.89	.87														
4.0	.97	.93	.90	.96	.92	.89	.94	.90	.88	.91	.89	.87	.89	.87	.86	.84														
5.0	.94	.89	.86	.93	.89	.86	.91	.87	.85	.89	.86	.84	.87	.85	.83	.82														
6.0	.90	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79														
7.0	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.78	.83	.80	.78	.77														
8.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.78	.76	.81	.78	.76	.75														
9.0	.82	.78	.75	.81	.77	.75	.80	.77	.74	.80	.76	.74	.79	.76	.74	.73														
10.0	.80	.76	.73	.79	.75	.73	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71														



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 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	.146	.083	.026	.139	.079	.025	.125	.072	.023	.112	.065	.021	.100	.058	.019		
2.0	.134	.074	.023	.128	.071	.022	.117	.065	.020	.106	.059	.019	.096	.054	.017		
3.0	.125	.066	.020	.119	.064	.019	.109	.059	.018	.100	.055	.017	.092	.051	.016		
4.0	.116	.060	.018	.112	.059	.017	.103	.055	.016	.095	.051	.015	.088	.048	.015		
5.0	.109	.056	.016	.105	.054	.016	.098	.051	.015	.091	.048	.014	.085	.045	.014		
6.0	.103	.052	.015	.100	.050	.014	.093	.048	.014	.087	.045	.013	.082	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.089	.045	.013	.084	.043	.012	.079	.041	.012		
8.0	.093	.045	.013	.090	.044	.013	.085	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.088	.043	.012	.086	.042	.012	.081	.040	.011	.077	.039	.011	.073	.037	.011		
10.0	.084	.040	.011	.082	.040	.011	.078	.038	.011	.074	.037	.011	.071	.036	.010		

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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023		
1.0	.189	.178	.168	.162	.153	.144	.111	.105	.100	.064	.061	.058	.020	.020	.019		
2.0	.172	.153	.137	.147	.132	.119	.101	.091	.083	.058	.053	.049	.019	.017	.016		
3.0	.157	.134	.115	.135	.115	.100	.092	.080	.070	.053	.047	.041	.017	.015	.014		
4.0	.145	.119	.099	.124	.102	.086	.085	.071	.060	.049	.042	.036	.016	.014	.012		
5.0	.134	.106	.086	.115	.092	.075	.079	.064	.053	.046	.038	.031	.015	.012	.010		
6.0	.125	.097	.076	.108	.084	.066	.074	.059	.047	.043	.034	.028	.014	.011	.009		
7.0	.118	.088	.068	.101	.077	.059	.070	.054	.042	.041	.032	.025	.013	.010	.008		
8.0	.111	.082	.061	.096	.071	.053	.066	.050	.038	.039	.029	.023	.012	.010	.007		
9.0	.106	.076	.056	.091	.066	.049	.063	.046	.035	.037	.027	.021	.012	.009	.007		
10.0	.101	.071	.052	.087	.062	.045	.060	.044	.032	.035	.026	.019	.011	.008	.006		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 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		7.7	8.4	7.9	8.5	8.7	7.6	8.3	7.9	8.5	8.7
3H		8.8	9.4	9.0	9.6	9.8	8.7	9.3	9.0	9.5	9.8
4H		9.5	10.1	9.8	10.3	10.6	9.4	10.0	9.7	10.2	10.5
6H		10.3	10.9	10.7	11.2	11.5	10.2	10.8	10.6	11.1	11.4
8H		10.8	11.4	11.2	11.7	12.0	10.7	11.3	11.1	11.6	11.9
12H		11.5	12.0	11.8	12.3	12.6	11.4	11.9	11.7	12.2	12.5
4H	2H	8.0	8.6	8.3	8.8	9.1	7.9	8.5	8.2	8.8	9.0
	3H	9.4	9.9	9.7	10.2	10.5	9.3	9.8	9.6	10.1	10.4
	4H	10.3	10.7	10.6	11.1	11.4	10.2	10.7	10.6	11.0	11.4
	6H	11.4	11.8	11.8	12.2	12.6	11.3	11.7	11.7	12.1	12.5
	8H	12.0	12.4	12.5	12.8	13.2	11.9	12.3	12.4	12.7	13.1
	12H	12.8	13.2	13.3	13.6	14.0	12.7	13.1	13.1	13.5	13.9
8H	4H	10.6	11.0	11.1	11.4	11.8	10.6	11.0	11.0	11.4	11.8
	6H	12.0	12.3	12.5	12.8	13.2	11.9	12.3	12.4	12.7	13.2
	8H	12.9	13.1	13.3	13.6	14.1	12.8	13.1	13.3	13.5	14.0
	12H	13.8	14.1	14.4	14.6	15.1	13.8	14.0	14.3	14.5	15.0
12H	4H	10.7	11.1	11.2	11.5	11.9	10.7	11.0	11.1	11.4	11.9
	6H	12.2	12.5	12.7	12.9	13.4	12.1	12.4	12.6	12.9	13.4
	8H	13.1	13.4	13.6	13.9	14.4	13.1	13.3	13.6	13.8	14.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H		+ 0.4 / - 0.1					+ 0.3 / - 0.1				
2.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117 Corrected 2439 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

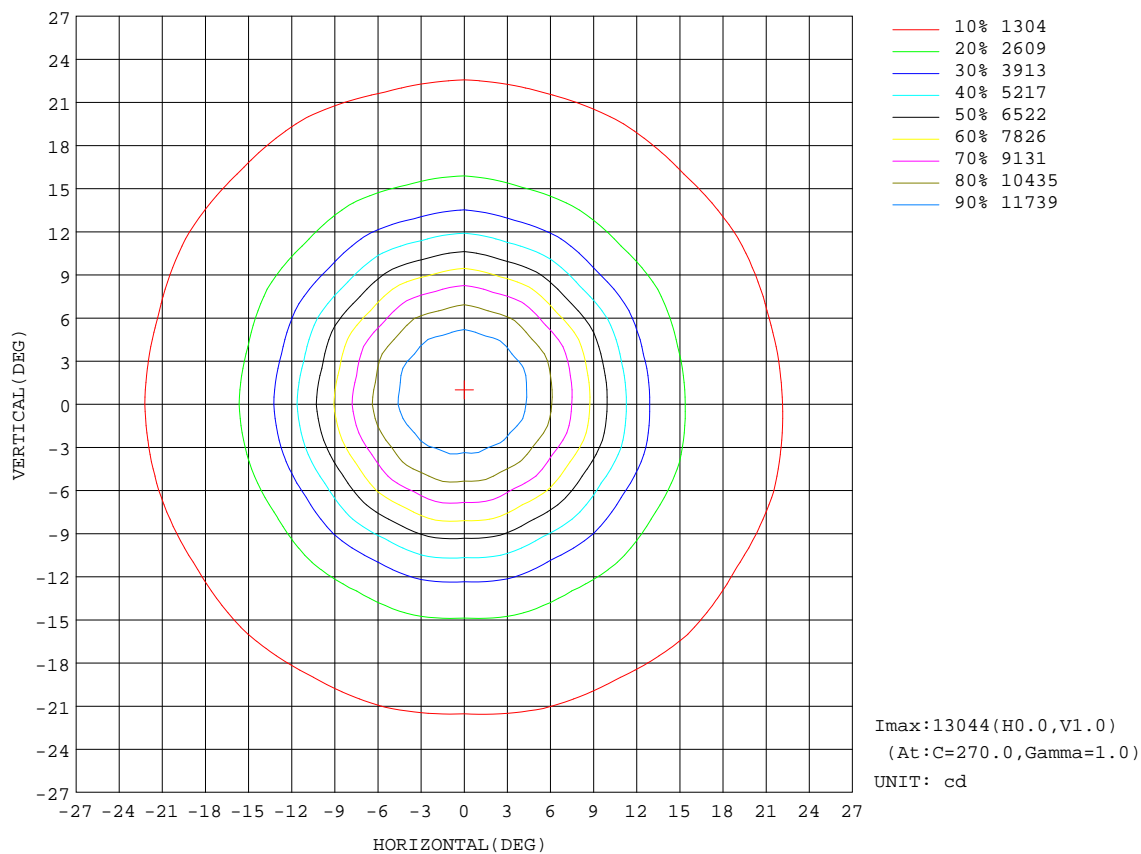
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	95	90	86	95	89	86	93	89	86	82
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	106	105	97
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:2016-09-08

$\gamma$  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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

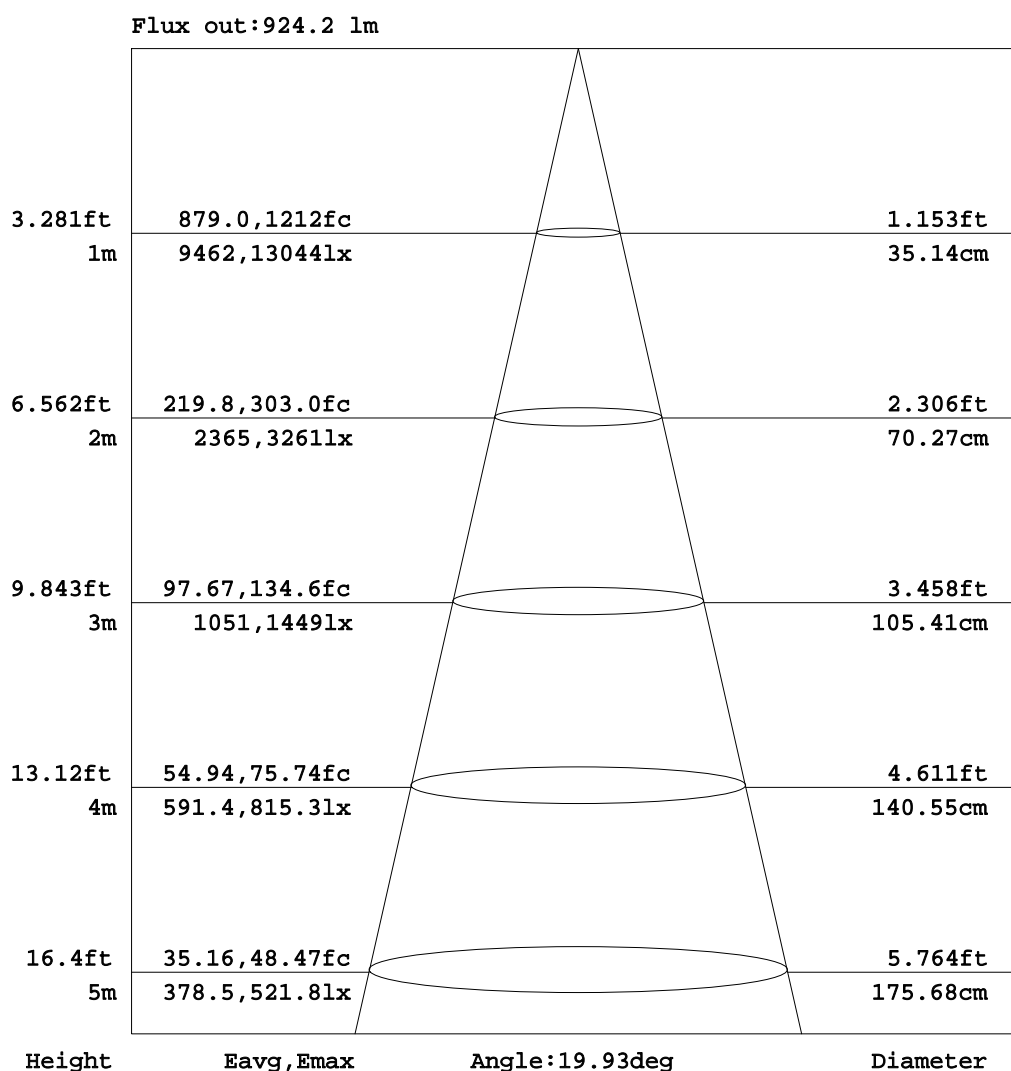


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 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.

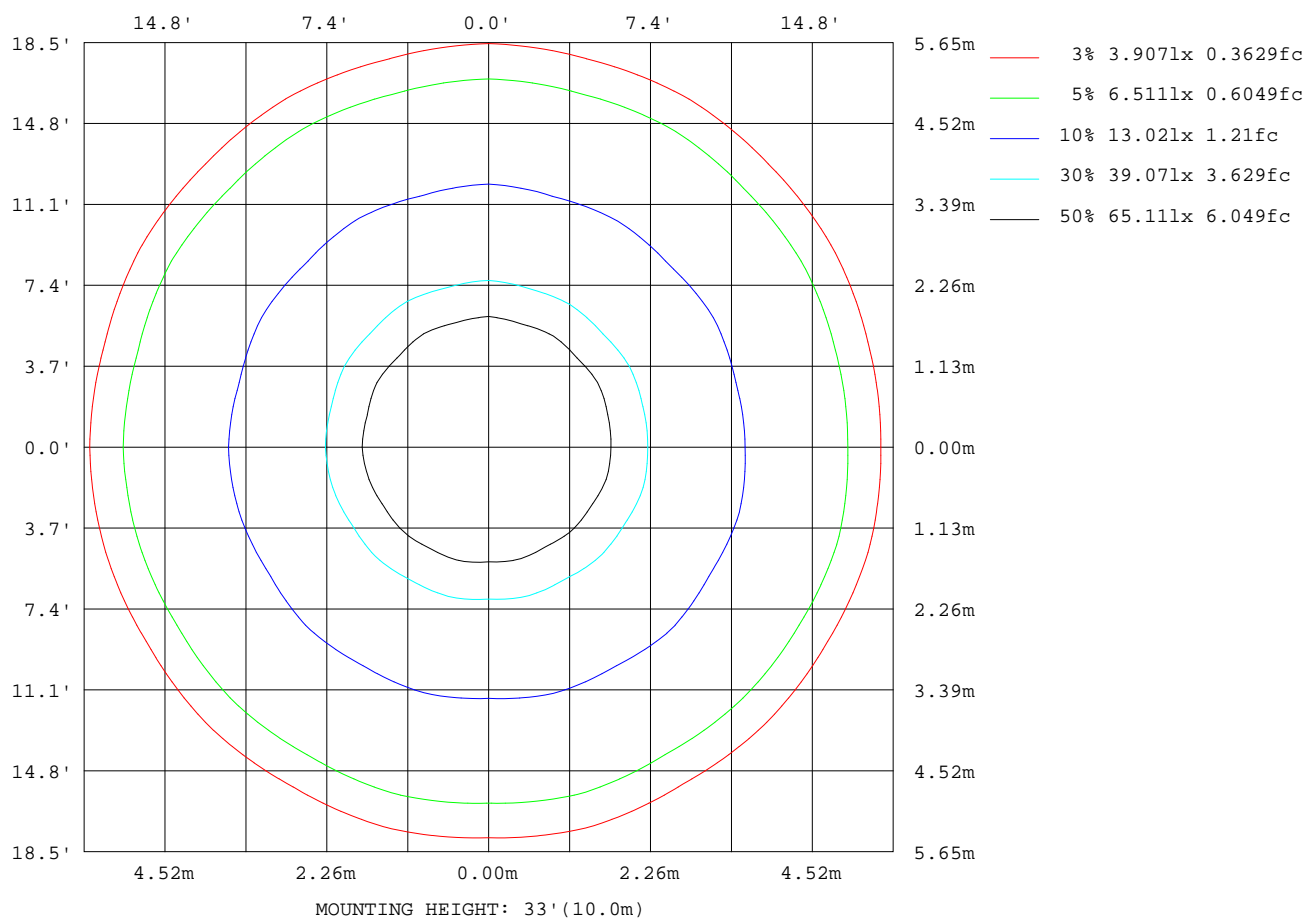
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-09-08

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

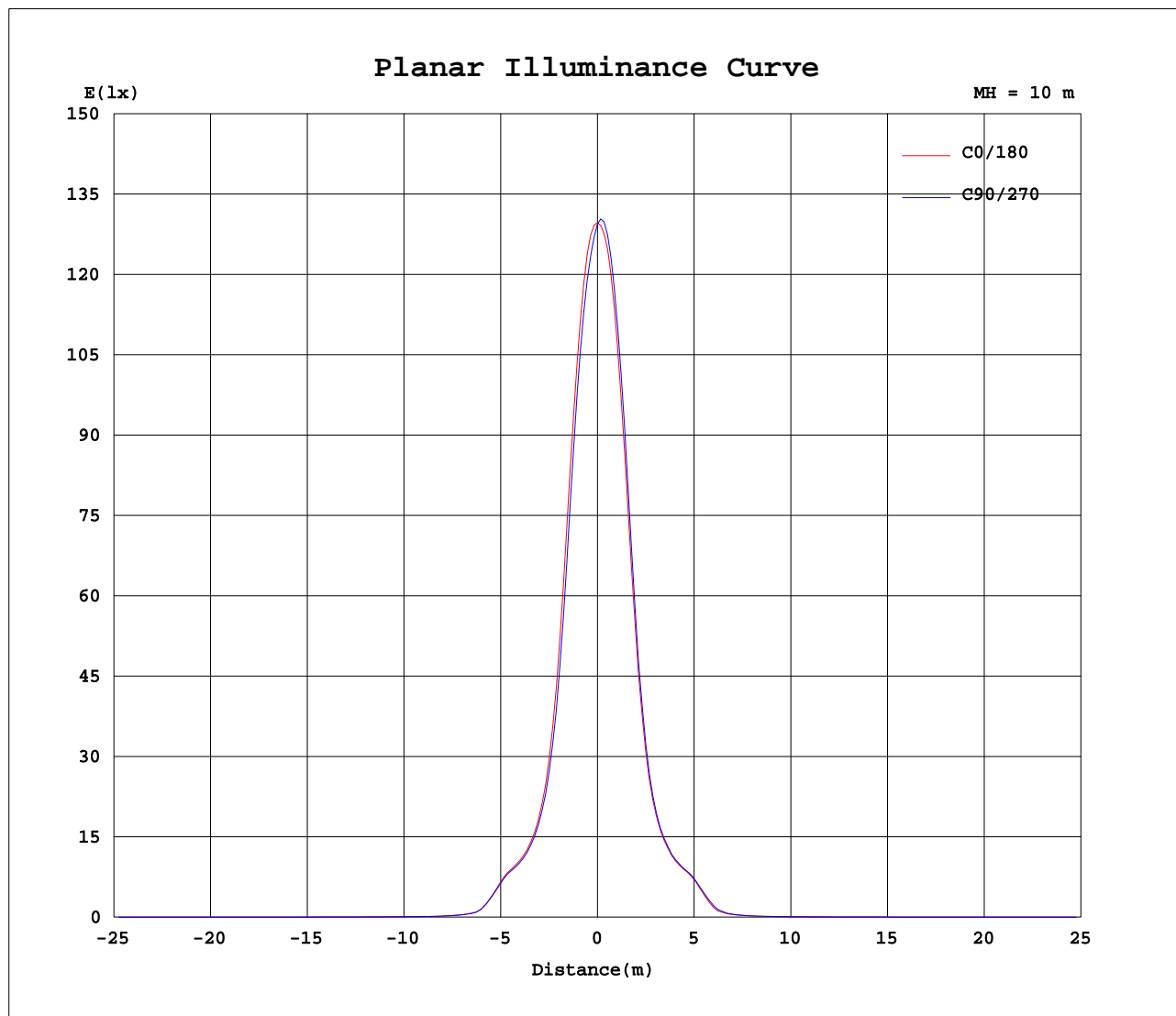
Test:U:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZhangXiao  
Test Date: 2016-09-08

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: 2016-09-08

$\gamma$  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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm																			
NAME:										TYPE:					WEIGHT:				
DIM.:										SPEC.:					SERIAL No.:				
MFR.: Rayconn										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295	1295
5	1127	1119	1093	1089	1072	1077	1072	1088	1089	1107	1113	1134	1150	1150	1174	1168	1187	1174	1189
10	644	643	612	607	583	593	584	602	602	627	629	659	681	672	707	691	722	700	721
15	274	280	269	271	259	263	256	263	259	270	267	280	287	283	297	290	304	292	300
20	151	155	150	154	148	150	146	149	146	151	148	153	156	152	158	154	160	155	160
25	111	113	110	109	107	109	108	109	108	110	109	111	112	112	114	114	115	113	114
30	36.5	38.5	35.1	37.5	35.4	38.8	36.8	39.7	37.8	40.8	38.8	42.0	43.7	42.2	46.8	45.6	48.9	46.5	49.4
35	8.72	8.96	8.65	9.06	8.67	8.77	8.28	8.58	8.34	8.67	8.47	8.96	9.10	9.13	9.65	9.53	10.0	9.67	10.1
40	4.01	4.07	4.09	4.20	4.13	4.11	3.99	4.00	3.94	3.98	3.94	4.01	4.05	4.07	4.22	4.22	4.34	4.25	4.36
45	2.87	2.90	2.92	2.98	2.94	2.95	2.91	2.92	2.90	2.93	2.91	2.92	2.91	2.92	3.00	3.00	3.05	3.02	3.05
50	2.16	2.17	2.18	2.22	2.20	2.23	2.26	2.24	2.24	2.27	2.25	2.24	2.19	2.20	2.25	2.26	2.28	2.27	2.30
55	1.65	1.65	1.64	1.65	1.63	1.64	1.67	1.67	1.67	1.70	1.70	1.71	1.66	1.66	1.71	1.71	1.72	1.69	1.69
60	1.35	1.35	1.34	1.33	1.31	1.32	1.33	1.33	1.33	1.35	1.35	1.36	1.32	1.34	1.36	1.36	1.37	1.35	1.34
65	1.18	1.18	1.18	1.18	1.17	1.17	1.16	1.16	1.16	1.16	1.17	1.18	1.15	1.16	1.17	1.17	1.17	1.16	1.16
70	1.02	1.02	1.01	1.01	1.01	1.01	1.00	0.99	0.99	0.99	1.00	1.01	0.99	1.00	1.01	1.00	1.00	0.99	0.99
75	0.87	0.88	0.86	0.87	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.85	0.86	0.87	0.87	0.87	0.86	0.86
80	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.74
85	0.63	0.64	0.62	0.63	0.64	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.66	0.67	0.67	0.67	0.69	0.67	0.66
90	0.49	0.49	0.48	0.48	0.50	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.59	0.59	0.60	0.60	0.64	0.61	0.60
95	0.41	0.40	0.40	0.40	0.42	0.41	0.39	0.39	0.40	0.39	0.40	0.40	0.60	0.60	0.60	0.60	0.64	0.62	0.60
100	0.37	0.36	0.36	0.36	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.60	0.60	0.61	0.61	0.62	0.61	0.60
105	0.40	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.40	0.39	0.61	0.61	0.62	0.62	0.62	0.62	0.61
110	0.48	0.47	0.48	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.64	0.64	0.64	0.64	0.64	0.64	0.64
115	0.55	0.55	0.56	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.55	0.68	0.69	0.69	0.69	0.68	0.68	0.68
120	0.65	0.64	0.65	0.65	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.76	0.76	0.76	0.76	0.75	0.76	0.75
125	0.81	0.80	0.82	0.81	0.82	0.82	0.82	0.81	0.82	0.81	0.81	0.80	0.89	0.90	0.89	0.89	0.89	0.89	0.89
130	1.07	1.07	1.08	1.08	1.09	1.08	1.09	1.08	1.09	1.07	1.07	1.05	1.12	1.13	1.11	1.12	1.11	1.11	1.11
135	1.38	1.37	1.39	1.39	1.40	1.39	1.40	1.39	1.40	1.38	1.38	1.36	1.40	1.41	1.39	1.40	1.39	1.39	1.39
140	1.65	1.64	1.66	1.65	1.66	1.66	1.67	1.65	1.66	1.65	1.65	1.63	1.66	1.67	1.66	1.66	1.65	1.66	1.65
145	1.83	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.83	1.83	1.82	1.85	1.86	1.85	1.85	1.85	1.85	1.85
150	1.95	1.95	1.96	1.95	1.96	1.95	1.96	1.95	1.96	1.95	1.95	1.94	1.98	1.98	1.97	1.97	1.97	1.97	1.97
155	2.03	2.03	2.04	2.03	2.04	2.03	2.04	2.03	2.04	2.03	2.03	2.03	2.05	2.05	2.05	2.05	2.05	2.05	2.05
160	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.07	2.08	2.07	2.09	2.09	2.09	2.09	2.09	2.09	2.09
165	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10
170	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.07	2.07	2.07	2.07	2.08
175	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.95	1.96	1.96	1.97	1.97	1.98	1.98	1.98
180	1.90	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.91	1.91	1.91	1.91	1.92	1.92	1.92

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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:226.6V I:0.1260A P:27.60W PF:0.9620 Lamp Flux:2439.28x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Rayconn	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1295	1295	1295	1295	1295														
5	1172	1181	1161	1167	1142														
10	688	704	673	685	655														
15	286	290	278	286	275														
20	154	157	151	156	150														
25	114	114	112	113	111														
30	46.0	47.8	43.4	43.3	38.2														
35	9.51	9.65	9.22	9.25	8.82														
40	4.18	4.26	4.20	4.16	4.03														
45	2.98	3.01	2.98	2.94	2.87														
50	2.26	2.28	2.25	2.22	2.16														
55	1.66	1.68	1.67	1.66	1.63														
60	1.33	1.34	1.33	1.32	1.31														
65	1.15	1.15	1.15	1.14	1.14														
70	0.99	0.99	0.99	0.98	0.98														
75	0.86	0.86	0.86	0.86	0.85														
80	0.73	0.74	0.74	0.74	0.74														
85	0.65	0.66	0.65	0.65	0.66														
90	0.60	0.60	0.59	0.59	0.60														
95	0.60	0.60	0.60	0.60	0.60														
100	0.60	0.60	0.60	0.60	0.60														
105	0.61	0.61	0.61	0.61	0.61														
110	0.64	0.64	0.64	0.64	0.64														
115	0.69	0.68	0.68	0.68	0.68														
120	0.76	0.75	0.76	0.75	0.76														
125	0.89	0.89	0.89	0.89	0.90														
130	1.11	1.11	1.12	1.11	1.13														
135	1.39	1.39	1.40	1.39	1.41														
140	1.66	1.65	1.66	1.66	1.67														
145	1.85	1.85	1.85	1.85	1.85														
150	1.97	1.97	1.97	1.97	1.98														
155	2.05	2.05	2.05	2.05	2.05														
160	2.09	2.09	2.09	2.09	2.09														
165	2.10	2.10	2.10	2.10	2.10														
170	2.07	2.07	2.07	2.07	2.07														
175	1.98	1.99	1.98	1.98	1.98														
180	1.92	1.93	1.93	1.93	1.93														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZhangXiao  
Test Date:2016-09-08

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: