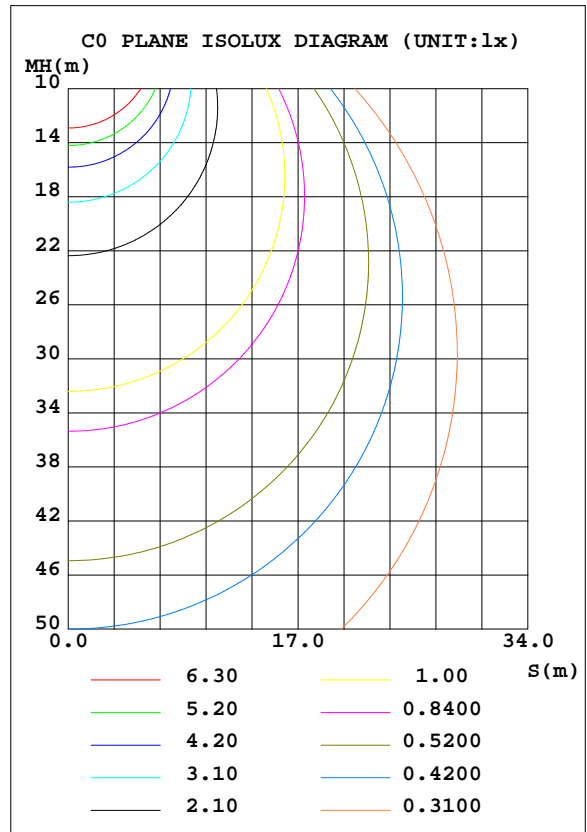
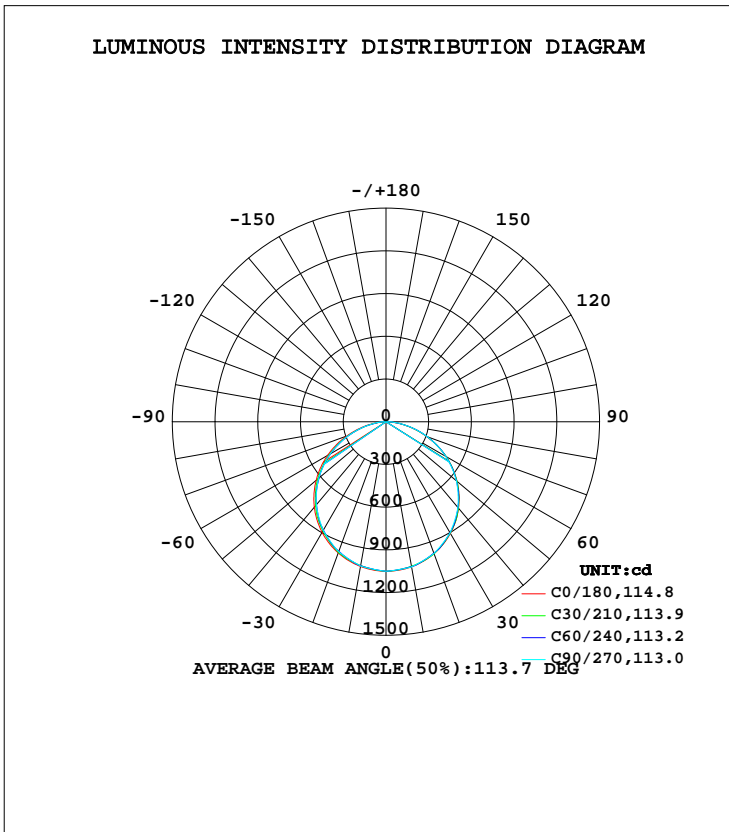


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:0.1956A P:40.97W PF:0.9505 Freq:50.00Hz Lamp Flux:3105.9x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.81 lm/W			
MODEL		I _{max} (cd)	1050	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3105.9	η UP, DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	3105.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 唐 6060

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1035	1032	1035	1030	1032	1026	1029	1028	0- 10	99.09	99.09	3.25,3.25
20	985.7	982.6	985.1	979.7	980.9	970.0	971.9	974.0	10- 20	284.5	383.6	12.6,12.6
30	905.2	902.5	900.5	897.8	897.5	882.9	881.6	890.1	20- 30	433.1	816.7	26.8,26.8
40	792.7	790.6	786.1	785.7	783.4	765.9	761.8	776.0	30- 40	525.2	1342	44.1,44.1
50	651.5	651.2	645.8	644.5	640.7	620.4	616.8	634.8	40- 50	547.9	1890	62.1,62.1
60	485.4	487.0	484.0	481.3	474.8	453.6	451.8	469.0	50- 60	497.3	2387	78.4,78.4
70	303.6	309.3	308.8	303.5	294.0	274.6	274.9	291.7	60- 70	380.2	2767	90.9,90.9
80	127.4	135.2	131.1	130.3	119.1	106.5	103.2	120.3	70- 80	218.2	2986	98,98
90	0.7605	1.054	0.7792	0.9005	0.4608	0.9752	0.9378	0.9238	80- 90	60.00	3046	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1617.6 lm

%lum = 53.1%
%lamp = 53.1%

Conical surface Flux(120deg): 2387.2 lm

%lum = 78.4%
%lamp = 78.4%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:W.H
Test Date:2016-08-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:9.100m [K=1.0000]
Remarks: 唐 6060

UGR(Unified Glare Rating) Table

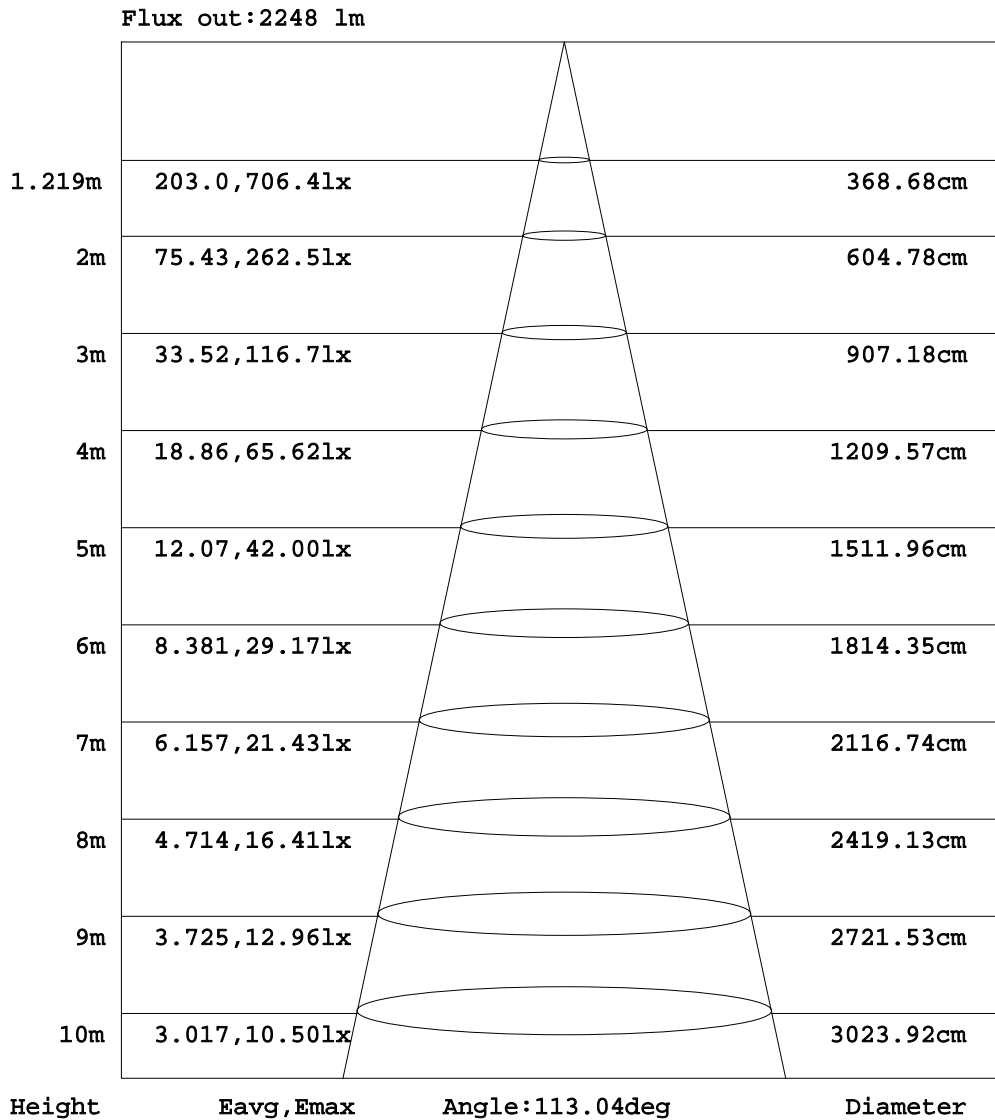
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.5	18.1	16.8	18.3	18.5	16.5	18.0	16.8	18.2	18.4
3H	18.1	19.5	18.4	19.7	20.0	18.1	19.5	18.4	19.7	20.0
4H	18.7	20.0	19.0	20.3	20.5	18.7	20.1	19.0	20.3	20.6
6H	19.1	20.4	19.4	20.6	20.9	19.2	20.5	19.5	20.7	21.0
8H	19.2	20.4	19.6	20.7	21.0	19.3	20.6	19.7	20.9	21.1
12H	19.2	20.4	19.6	20.7	21.0	19.5	20.6	19.8	20.9	21.2
4H 2H	17.1	18.5	17.5	18.7	19.0	17.1	18.5	17.4	18.7	19.0
3H	18.9	20.1	19.2	20.4	20.7	18.9	20.1	19.3	20.4	20.7
4H	19.6	20.7	20.0	21.0	21.4	19.7	20.8	20.1	21.1	21.4
6H	20.2	21.1	20.6	21.5	21.9	20.3	21.2	20.7	21.6	21.9
8H	20.3	21.2	20.8	21.6	22.0	20.5	21.4	20.9	21.7	22.1
12H	20.4	21.2	20.8	21.6	22.0	20.7	21.5	21.1	21.9	22.3
8H 4H	19.9	20.8	20.3	21.2	21.6	20.0	20.9	20.4	21.2	21.6
6H	20.6	21.4	21.1	21.8	22.2	20.7	21.5	21.2	21.9	22.3
8H	20.9	21.5	21.3	22.0	22.4	21.0	21.7	21.5	22.1	22.6
12H	21.0	21.6	21.5	22.0	22.5	21.3	21.9	21.8	22.3	22.8
12H 4H	19.9	20.8	20.4	21.1	21.6	20.0	20.8	20.4	21.2	21.6
6H	20.7	21.4	21.2	21.8	22.2	20.8	21.4	21.2	21.9	22.3
8H	21.0	21.6	21.5	22.0	22.5	21.1	21.7	21.6	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3046 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 唐 6060

AAI Figure



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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 唐 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
5	1047	1046	1045	1045	1044	1044	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1042	1042	1042
10	1035	1033	1032	1032	1031	1031	1031	1031	1031	1032	1032	1033	1033	1034	1034	1035	1035	1035	1035
15	1014	1013	1011	1011	1011	1011	1012	1014	1015	1014	1013	1012	1011	1011	1011	1010	1010	1010	1010
20	986	984	983	983	983	985	987	985	983	983	983	983	983	983	984	985	985	985	985
25	949	947	946	947	949	949	947	947	947	948	949	948	946	945	944	944	943	943	943
30	905	902	902	904	904	903	903	904	905	902	901	900	900	900	900	901	901	901	900
35	853	850	850	853	851	851	853	851	849	849	849	850	848	847	846	845	844	844	843
40	793	790	792	792	791	794	791	790	790	791	788	787	786	786	786	786	786	786	786
45	726	723	726	724	726	725	723	725	723	722	721	723	722	720	718	718	717	716	716
50	651	649	651	651	652	650	652	649	650	651	648	647	646	646	646	646	646	646	646
55	571	569	570	573	571	572	571	572	571	569	569	570	569	568	567	566	566	565	565
60	485	484	485	486	487	486	488	486	486	487	486	485	485	485	485	485	485	484	484
65	395	395	397	397	397	398	398	399	398	398	399	399	399	398	398	397	397	397	396
70	304	303	304	305	306	307	308	309	309	309	309	309	309	309	309	309	309	309	309
75	213	213	214	215	216	218	219	219	220	220	220	221	221	221	221	221	221	220	220
80	127	124	123	127	131	133	133	134	135	135	135	135	134	134	133	132	132	131	131
85	46.9	35.9	42.8	50.4	55.4	56.7	56.4	58.4	60.1	61.5	62.7	63.6	64.4	65.0	65.5	65.8	66.0	66.0	65.9
90	0.76	0.90	0.89	0.88	0.95	0.96	0.98	1.02	1.05	1.05	0.98	0.90	0.86	0.82	0.81	0.79	0.78	0.78	0.78

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 唐 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C(DEG) γ (DEG)		95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0		1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
5		1042	1042	1042	1042	1042	1042	1042	1042	1042	1042	1042	1043	1043	1043	1044	1044	1045	1045	1044
10		1035	1034	1034	1033	1033	1033	1032	1031	1030	1030	1029	1029	1029	1029	1029	1030	1031	1032	1030
15		1010	1010	1010	1010	1010	1010	1010	1011	1012	1013	1011	1009	1008	1008	1007	1008	1009	1011	1008
20		985	984	984	983	982	981	980	980	980	980	981	983	981	979	978	978	979	981	978
25		943	942	942	943	943	944	945	946	944	942	942	942	944	944	942	940	941	943	940
30		900	900	899	898	898	897	897	897	898	900	898	897	897	899	898	895	895	898	893
35		843	843	843	843	844	845	847	845	844	844	845	846	844	844	846	843	842	844	840
40		786	785	784	783	783	782	783	784	786	785	783	784	786	783	784	784	781	783	779
45		716	715	716	716	716	717	717	716	716	717	719	717	716	717	715	718	713	715	711
50		645	645	644	643	643	642	642	643	644	643	643	645	643	643	642	642	640	641	637
55		565	564	564	564	565	565	566	564	563	564	565	563	565	562	564	561	560	560	557
60		484	483	483	482	481	480	480	480	481	480	479	480	478	480	477	476	476	475	473
65		396	396	395	395	395	394	394	393	392	392	393	391	390	389	389	388	387	385	384
70		308	308	307	307	306	306	305	304	303	303	301	301	301	299	297	296	295	294	291
75		220	219	219	219	218	218	217	216	215	214	213	211	210	210	207	206	204	203	200
80		131	131	130	130	130	131	131	131	130	130	129	127	126	124	119	113	114	119	115
85		65.7	65.3	64.8	64.1	63.3	62.3	61.0	59.6	58.0	55.9	53.7	50.9	51.1	49.4	44.3	35.7	28.1	38.6	37.4
90		0.78	0.79	0.79	0.82	0.84	0.86	0.88	0.91	0.90	0.90	0.89	0.90	0.86	0.84	0.81	0.75	0.75	0.46	0.97

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 5.0DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Temperature:25.3DEG Humidity:65.0%
 Operators:W.H Test Distance:9.100m [K=1.0000]
 Test Date:2016-08-14 Remarks: 唐 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
5	1043	1043	1042	1041	1041	1040	1040	1040	1040	1040	1039	1039	1039	1039	1039	1039	1039	1039	1039
10	1029	1028	1027	1026	1026	1025	1025	1026	1026	1026	1026	1027	1027	1028	1028	1029	1029	1028	1028
15	1006	1005	1004	1004	1004	1005	1006	1005	1003	1002	1001	1001	1000	1000	1000	1000	1000	1000	1001
20	976	975	975	976	976	973	971	970	969	969	969	969	970	970	971	971	972	972	972
25	938	937	938	937	934	932	931	931	932	931	929	927	927	926	926	926	927	927	928
30	892	893	892	888	886	886	886	883	881	879	879	879	879	880	880	881	882	882	882
35	839	840	835	833	834	831	828	826	826	827	824	823	822	821	821	821	822	822	823
40	779	777	773	774	770	767	766	766	762	760	759	759	759	760	760	761	762	763	764
45	713	707	706	703	700	701	696	694	693	692	691	690	689	688	688	689	689	690	692
50	636	632	630	627	627	622	620	620	617	615	614	614	614	615	615	616	617	618	619
55	554	553	548	548	543	542	539	537	536	537	535	534	533	533	533	533	534	535	537
60	468	465	464	459	458	455	454	454	451	450	449	449	449	449	450	451	452	453	454
65	379	376	372	370	368	368	365	363	363	362	362	362	361	362	362	363	363	364	366
70	287	283	281	280	278	276	275	275	274	274	273	273	273	273	274	274	275	276	277
75	196	193	192	190	189	189	188	187	187	187	187	187	187	187	188	188	189	190	191
80	111	110	109	108	108	108	107	106	106	105	104	103	102	102	102	102	103	104	105
85	36.6	36.8	39.1	38.0	36.3	38.9	41.1	43.0	44.7	46.2	47.4	48.5	49.5	50.3	51.0	51.6	52.1	52.4	52.7
90	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.94

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: W.H
 Test Date: 2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks: 唐 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C(DEG)\ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050				
5	1039	1040	1040	1040	1040	1040	1041	1041	1041	1042	1042	1043	1044	1045	1046				
10	1028	1028	1028	1028	1027	1027	1028	1027	1027	1028	1028	1029	1030	1031	1033				
15	1001	1002	1002	1003	1004	1006	1007	1009	1008	1008	1007	1008	1008	1010	1012				
20	972	972	972	972	972	973	974	975	978	980	980	979	979	980	982				
25	929	930	931	933	935	938	937	937	938	940	942	944	943	943	946				
30	883	883	883	884	886	888	890	894	894	894	895	899	899	899	901				
35	825	826	828	831	834	834	835	837	840	844	843	844	848	847	848				
40	764	765	766	767	769	772	776	777	778	781	785	784	786	787	788				
45	693	695	698	701	704	704	706	709	713	713	716	719	718	722	721				
50	620	621	622	624	627	630	635	635	637	641	642	645	646	647	647				
55	538	540	543	546	548	550	552	556	560	560	564	564	569	566	567				
60	455	457	458	460	463	466	469	471	474	478	479	481	481	482	482				
65	367	369	371	374	377	379	380	383	386	388	391	392	394	396	393				
70	279	280	282	284	287	289	292	294	297	298	301	302	303	303	302				
75	193	194	196	197	199	201	203	205	208	211	212	213	215	215	214				
80	107	109	111	113	116	118	120	122	124	125	128	129	130	131	129				
85	52.9	53.0	53.0	52.9	52.7	52.5	52.1	51.7	51.2	50.6	52.8	53.4	50.3	50.4	51.6				
90	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.90				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 唐 6060