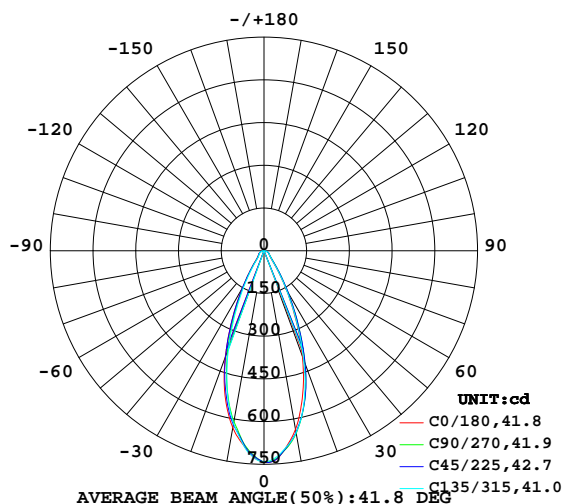


**LUMINAIRE PHOTOMETRIC TEST REPORT**

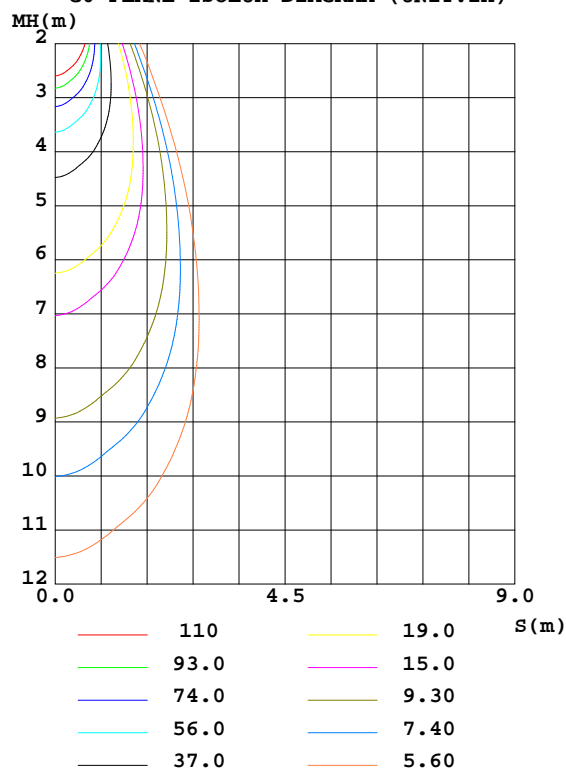
Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.15 lm/W			
MODEL	L114-13	Imax(cd)	743.5	S/MH(C0/180)	0.67
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	458.66	$\eta$ UP,DN(C0-180)	0.1,48.2
NOMINAL FLUX(lm)	458.658	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,51.7
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	$\eta$ down(%)	99.9	CIBSE SHR MAX	0.70

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**C0 PLANE ISOLUX DIAGRAM (UNIT:lx)**



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
5	701.5	698.7	694.8	703.4	715.2	714.7	714.9	710.2	0- 5	17.30	17.30	3.77,3.77
10	631.5	620.0	608.9	616.5	637.3	647.5	651.1	649.3	5- 10	47.70	65.00	14.2,14.2
15	528.1	517.9	500.8	500.6	524.6	549.9	549.7	546.2	10- 15	68.71	133.7	29.2,29.2
20	398.4	395.3	373.3	364.3	395.0	422.1	420.8	406.4	15- 20	75.96	209.7	45.7,45.7
25	262.0	261.2	246.1	234.9	262.7	282.8	282.6	267.1	20- 25	68.42	278.1	60.6,60.6
30	153.3	153.1	145.1	134.4	156.6	170.6	169.0	156.9	25- 30	51.68	329.8	71.9,71.9
35	82.88	81.07	76.56	70.06	83.88	95.63	94.64	84.53	30- 35	33.94	363.7	79.3,79.3
40	46.80	43.47	41.35	38.27	46.10	52.79	54.92	47.90	35- 40	20.82	384.5	83.8,83.8
45	33.02	29.67	29.16	27.39	32.18	35.12	37.57	34.17	40- 45	14.08	398.6	86.9,86.9
50	26.40	26.04	25.24	24.02	26.33	26.74	28.07	26.59	45- 50	11.73	410.3	89.5,89.5
55	23.42	22.61	21.39	20.45	22.83	23.68	23.91	23.64	50- 55	10.53	420.9	91.8,91.8
60	20.28	19.81	18.99	18.30	20.02	20.49	20.66	20.81	55- 60	9.836	430.7	93.9,93.9
65	17.42	17.41	16.50	15.80	17.34	17.49	17.24	17.53	60- 65	9.066	439.8	95.9,95.9
70	14.04	13.30	12.57	12.09	13.73	13.94	13.80	13.84	65- 70	7.689	447.5	97.6,97.6
75	9.137	9.533	9.307	8.926	9.684	8.619	8.312	8.473	70- 75	5.920	453.4	98.9,98.9
80	3.519	4.363	4.639	4.397	4.061	3.312	3.108	3.304	75- 80	3.369	456.8	99.6,99.6
85	0.6364	1.105	1.261	1.171	0.8572	0.5082	0.3752	0.4581	80- 85	1.146	457.9	99.8,99.8
90	0.6295	0.4223	0.1877	0.3697	0.0954	0.1008	0.0641	0.4101	85- 90	0.2682	458.2	99.9,99.9
95	0.4387	0.2851	0.1098	0.1471	0.0505	0.0429	0.0525	0.2001	90- 95	0.1051	458.3	99.9,99.9
100	0.3957	0.3274	0.1176	0.0720	0.0222	0.0186	0.0507	0.1787	95-100	0.0831	458.4	99.9,99.9
105	0.3324	0.3196	0.1304	0.0631	0.0314	0.0103	0.0360	0.1719	100-105	0.0784	458.4	100,100
110	0.2153	0.2123	0.1073	0.0497	0.0380	0.0070	0.0313	0.1356	105-110	0.0632	458.5	100,100
115	0.1614	0.1413	0.0520	0.0306	0.0535	0.0045	0.0293	0.0925	110-115	0.0426	458.5	100,100
120	0.1118	0.0833	0.0399	0.0270	0.0336	0.0045	0.0270	0.0718	115-120	0.0286	458.6	100,100
125	0.0715	0.0587	0.0343	0.0270	0.0189	0.0045	0.0229	0.0459	120-125	0.0197	458.6	100,100
130	0.0540	0.0465	0.0310	0.0217	0.0217	0.0048	0.0192	0.0368	125-130	0.0138	458.6	100,100
135	0.0470	0.0404	0.0295	0.0194	0.0177	0.0061	0.0144	0.0265	130-135	0.0111	458.6	100,100
140	0.0407	0.0351	0.0283	0.0192	0.0154	0.0093	0.0093	0.0109	135-140	0.0084	458.6	100,100
145	0.0358	0.0320	0.0278	0.0189	0.0151	0.0121	0.0081	0.0167	140-145	0.0069	458.6	100,100
150	0.0338	0.0300	0.0273	0.0189	0.0162	0.0144	0.0104	0.0223	145-150	0.0062	458.6	100,100
155	0.0320	0.0293	0.0270	0.0182	0.0184	0.0187	0.0136	0.0237	150-155	0.0055	458.6	100,100
160	0.0326	0.0321	0.0273	0.0247	0.0311	0.0043	0.0190	0.0295	155-160	0.0051	458.6	100,100
165	0.0431	0.0573	0.0313	0.0505	0.0479	0.0040	0.0364	0.0336	160-165	0.0049	458.6	100,100
170	0.0641	0.0550	0.0500	0.0792	0.0058	0.0040	0.0596	0.0452	165-170	0.0052	458.7	100,100
175	0.0447	0.0249	0.0470	0.0813	0.0022	0.0020	0.0663	0.0406	170-175	0.0029	458.7	100,100
180	0	0	0	0	0	0	0	0	175-180	0.0004	458.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 398.61 lm

%lum = 86.9%

%lamp = 86.9%

Conical surface Flux(120deg): 430.71 lm

%lum = 93.9%

%lamp = 93.9%

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

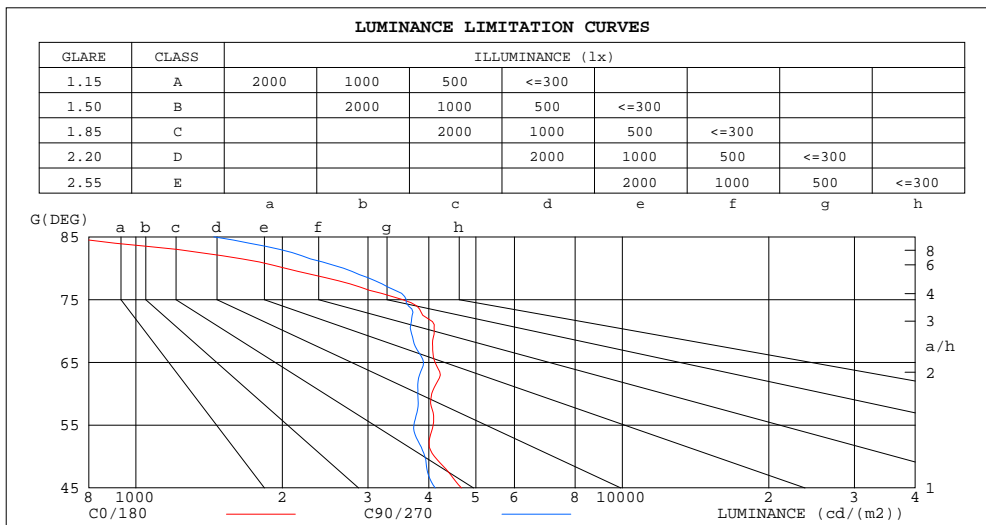
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	730	1447
80	2027	2672
75	3530	3596
70	4106	3675
65	4122	3903
60	4056	3799
55	4083	3729
50	4108	3927
45	4669	4124

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

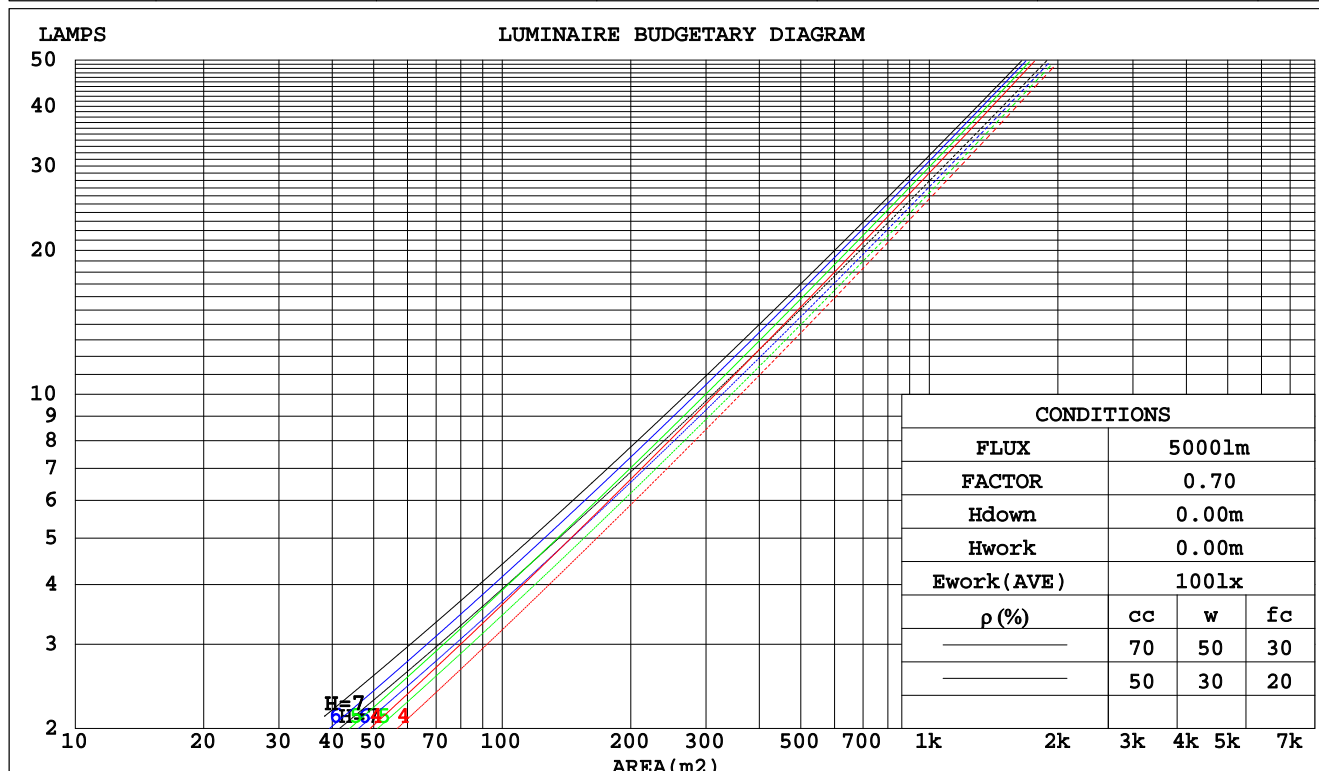
Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.82	.80	.78
4.0	.88	.82	.78	.87	.81	.77	.85	.80	.76	.83	.79	.75	.81	.77	.75	.73
5.0	.83	.76	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.76	.73	.70	.68
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.60
8.0	.70	.64	.59	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.59	.57
9.0	.66	.60	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.56	.54
10.0	.63	.57	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.52



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### WEC AND CCEC

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding 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	.197	.112	.035	.190	.108	.034	.177	.102	.032	.165	.095	.031	.155	.090	.029		
2.0	.186	.102	.031	.180	.099	.031	.170	.094	.029	.160	.090	.028	.150	.085	.027		
3.0	.175	.093	.028	.170	.091	.027	.160	.087	.026	.152	.083	.026	.144	.080	.025		
4.0	.164	.085	.025	.159	.083	.025	.151	.080	.024	.144	.077	.023	.137	.075	.023		
5.0	.154	.078	.023	.150	.077	.022	.143	.075	.022	.137	.072	.021	.131	.070	.021		
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.019		
7.0	.137	.068	.019	.134	.067	.019	.129	.065	.019	.124	.064	.018	.119	.062	.018		
8.0	.130	.064	.018	.128	.063	.018	.123	.061	.018	.118	.060	.017	.114	.059	.017		
9.0	.124	.060	.017	.122	.059	.017	.117	.058	.016	.113	.057	.016	.109	.056	.016		
10.0	.118	.057	.016	.116	.056	.016	.112	.055	.015	.109	.054	.015	.105	.053	.015		

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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020		
1.0	.173	.158	.144	.148	.136	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016		
2.0	.159	.133	.112	.136	.115	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013		
3.0	.147	.114	.089	.126	.099	.077	.086	.069	.054	.050	.040	.032	.016	.013	.010		
4.0	.137	.100	.072	.117	.086	.062	.081	.060	.044	.047	.035	.026	.015	.011	.009		
5.0	.128	.088	.059	.110	.076	.052	.076	.053	.036	.044	.031	.022	.014	.010	.007		
6.0	.120	.079	.050	.103	.069	.043	.071	.048	.031	.041	.028	.018	.013	.009	.006		
7.0	.113	.072	.042	.097	.062	.037	.067	.043	.026	.039	.026	.016	.013	.008	.005		
8.0	.107	.065	.037	.092	.057	.032	.064	.040	.023	.037	.023	.013	.012	.008	.004		
9.0	.101	.060	.032	.087	.052	.028	.061	.037	.020	.035	.022	.012	.011	.007	.004		
10.0	.097	.056	.028	.083	.048	.025	.058	.034	.017	.034	.020	.010	.011	.007	.003		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.6DEG  
 Operators:WANG Yiwei  
 Test Date:30 March 2017

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
 Humidity:60%  
 Test Distance:2.178m [K=1.0000]  
 Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm											
NAME: LED5400##5CD					TYPE:LED			WEIGHT:			
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated					DIM.:			SERIAL No.:170330002G			
MFR.: Scolmore International Ltd.					SUR.:			Shielding 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		17.0	18.0	17.2	18.1	18.3	16.7	17.6	16.9	17.8	18.0
	3H	18.5	19.4	18.8	19.6	19.8	18.1	19.0	18.4	19.2	19.4
	4H	19.1	19.9	19.4	20.2	20.4	18.8	19.6	19.0	19.9	20.1
	6H	19.3	20.1	19.6	20.4	20.6	19.1	19.9	19.4	20.2	20.4
	8H	19.3	20.1	19.6	20.4	20.6	19.2	20.0	19.5	20.2	20.5
	12H	19.3	20.0	19.6	20.3	20.6	19.2	19.9	19.5	20.2	20.5
4H	2H	17.5	18.4	17.8	18.6	18.9	17.3	18.1	17.6	18.4	18.6
	3H	19.3	20.0	19.6	20.3	20.6	19.0	19.7	19.3	20.0	20.3
	4H	20.0	20.6	20.3	20.9	21.3	19.7	20.4	20.1	20.7	21.0
	6H	20.2	20.9	20.6	21.2	21.5	20.2	20.8	20.5	21.1	21.5
	8H	20.3	20.8	20.7	21.2	21.6	20.2	20.8	20.6	21.2	21.5
	12H	20.2	20.8	20.6	21.1	21.5	20.3	20.8	20.7	21.1	21.5
8H	4H	20.2	20.7	20.6	21.1	21.5	20.0	20.5	20.4	20.9	21.3
	6H	20.5	21.0	21.0	21.4	21.8	20.5	21.0	20.9	21.4	21.8
	8H	20.6	21.0	21.0	21.4	21.9	20.6	21.0	21.1	21.4	21.9
	12H	20.6	20.9	21.0	21.4	21.8	20.6	21.0	21.1	21.4	21.9
12H	4H	20.2	20.7	20.6	21.1	21.5	20.0	20.5	20.4	20.8	21.2
	6H	20.5	21.0	21.0	21.4	21.8	20.5	20.9	20.9	21.3	21.8
	8H	20.6	21.0	21.1	21.4	21.9	20.6	21.0	21.1	21.4	21.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3					
1.5H	+ 0.5 / - 0.3					+ 0.4 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 458.7 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -2.7$ )

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding 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) $k(RI) \times RCR = 5$									
$k = 0.60$	82	74	70	81	74	70	80	74	70	66
0.80	89	82	78	89	82	78	87	81	78	73
1.00	95	88	83	94	87	83	92	87	83	78
1.25	99	93	89	98	92	88	96	91	87	83
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	104	100	96	101	97	94	89
2.50	108	103	100	106	102	99	103	100	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.6DEG  
 Operators:WANG Yiwei  
 Test Date:30 March 2017

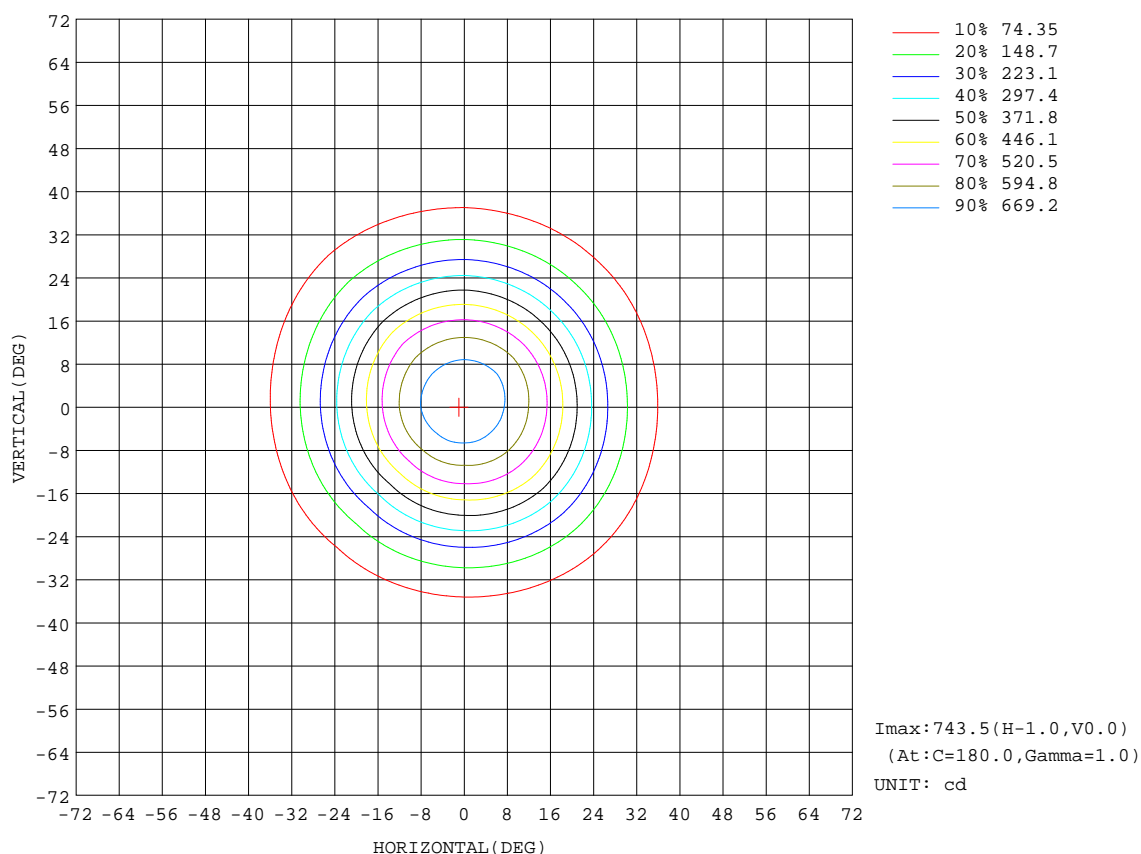
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
 Humidity:60%  
 Test Distance:2.178m [K=1.0000]  
 Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

# ISOCANDELA DIAGRAM

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

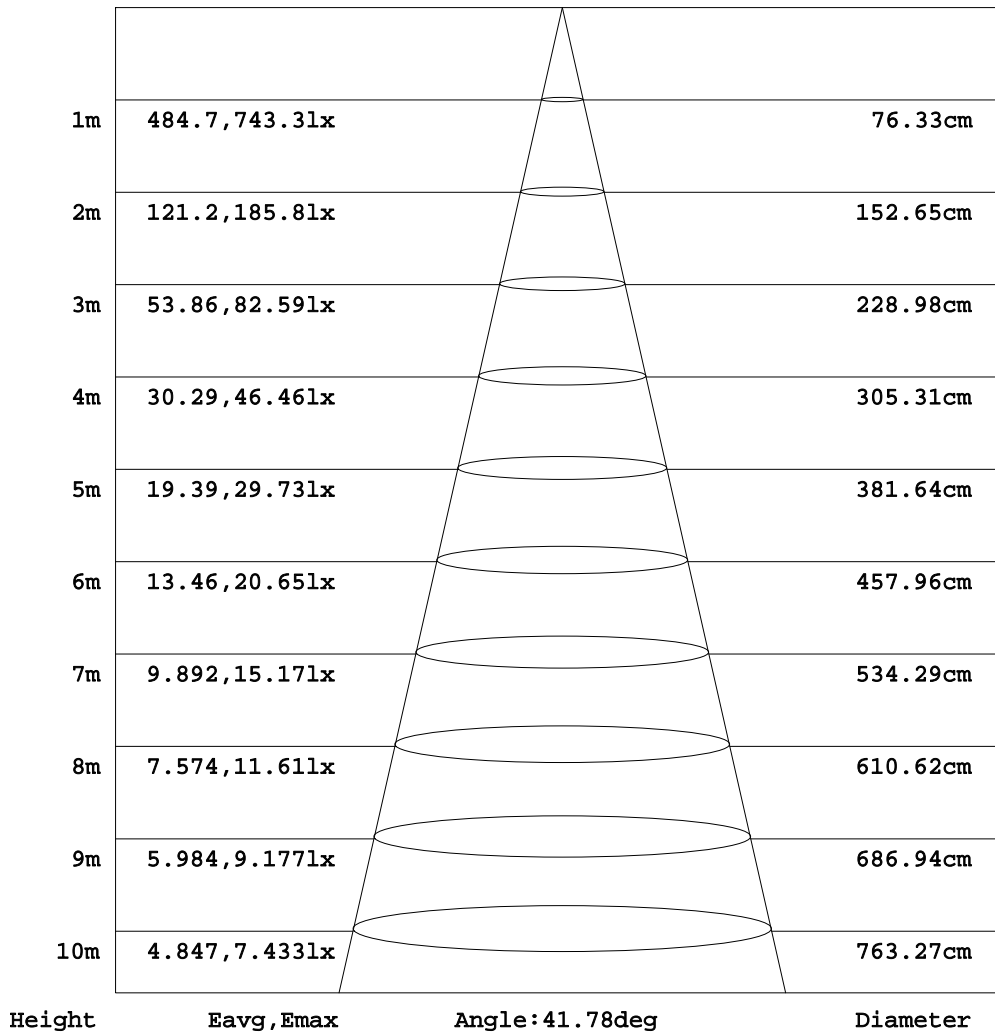
standards: LM-79-08 INSTRUMENT:OP42001



**AAI Figure**

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

Flux out:224.4 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: 45.0DEG  
Test Speed: HIGH  
Temperature: 24.6DEG  
Operators: WANG Yiwei  
Test Date: 30 March 2017

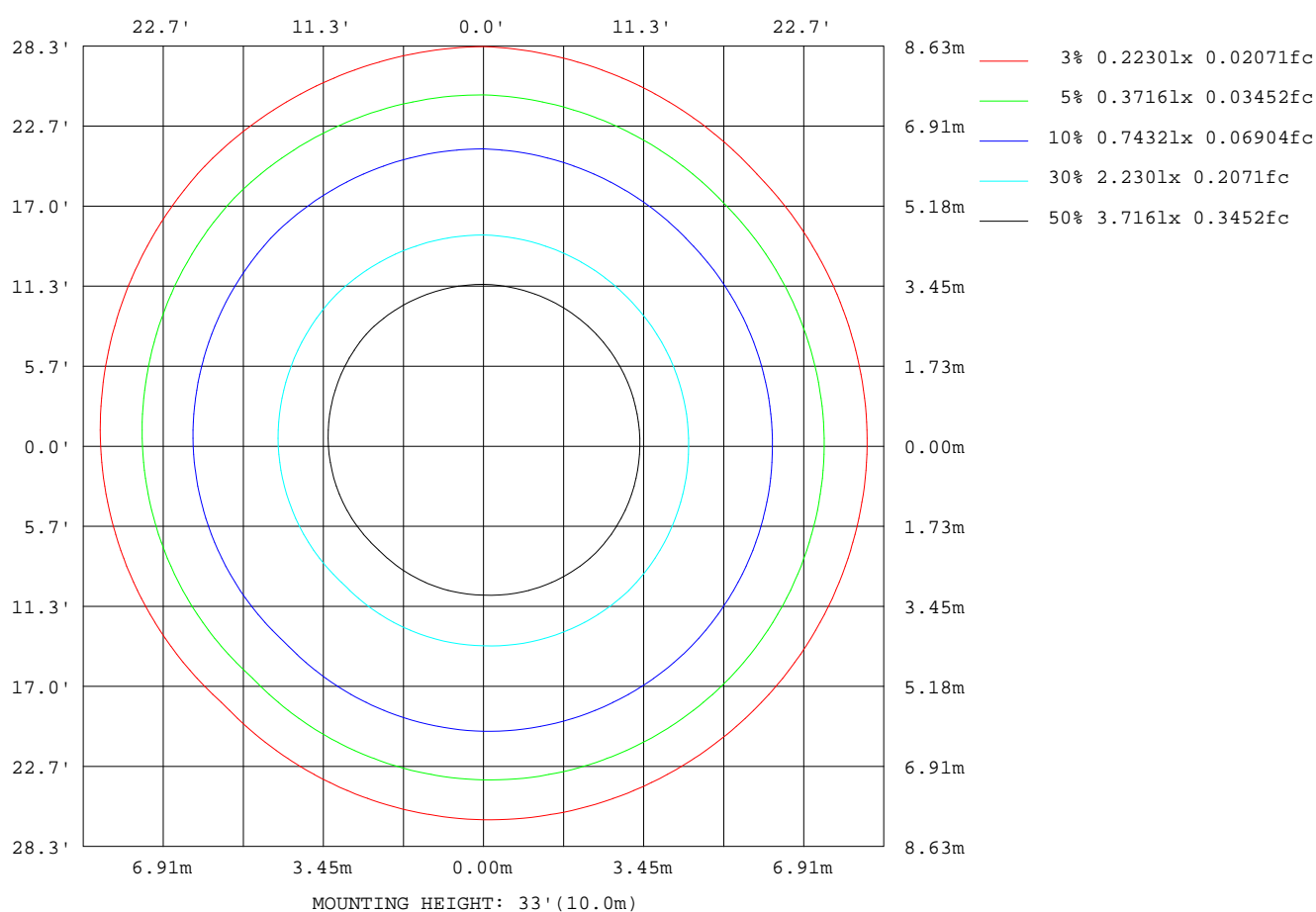
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity: 60%  
Test Distance: 2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT: OP42001

# ISOLUX DIAGRAM

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### LED Avg.L Report

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	4112
L_0~180(75)av	3636
L_0~180(85)av	857
L_90~270(65)av	3992
L_90~270(75)av	3404
L_90~270(85)av	939
L_45(65)av	4037
L_45(75)av	3434
L_45(85)av	930

Standard: GB/T 29293-2012

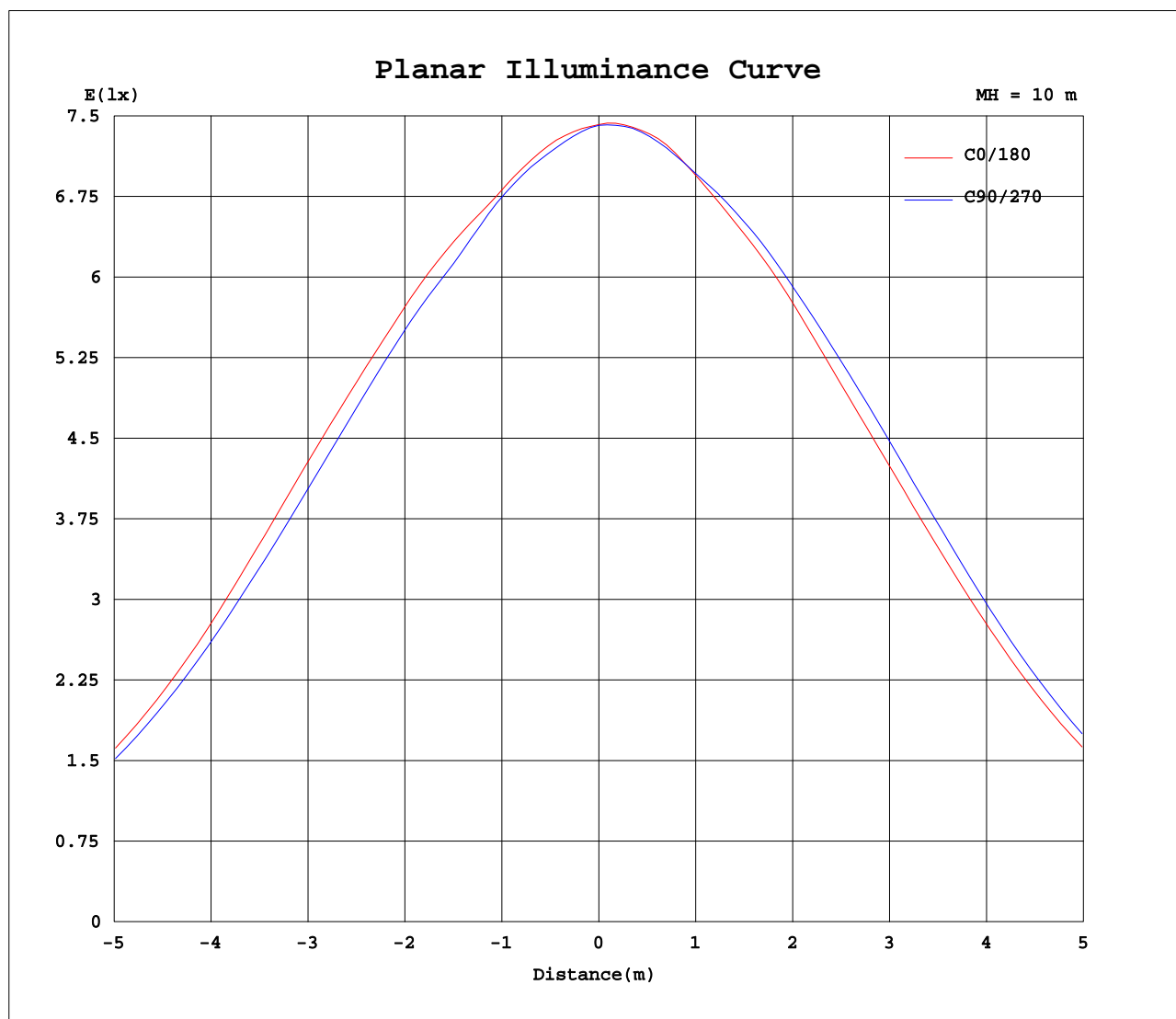
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 24.6DEG  
Operators: WANG Yiwei  
Test Date: 30 March 2017

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity: 60%  
Test Distance: 2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT: OP42001

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.0247A P:4.770W PF:0.8395 Freq:50.00Hz Lamp Flux:458.658x1 lm		
NAME: LED5400##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 4000K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEC)	0	45	90	135	180	225	270	315										
γ (DEC)	0	742	741	741	742	742	741	741	742									
5	702	699	695	703	715	715	715	715	710									
10	631	620	609	616	637	647	651	649										
15	528	518	501	501	525	550	550	546										
20	398	395	373	364	395	422	421	406										
25	262	261	246	235	263	283	283	267										
30	153	153	145	134	157	171	169	157										
35	82.9	81.1	76.6	70.1	83.9	95.6	94.6	84.5										
40	46.8	43.5	41.4	38.3	46.1	52.8	54.9	47.9										
45	33.0	29.7	29.2	27.4	32.2	35.1	37.6	34.2										
50	26.4	26.0	25.2	24.0	26.3	26.7	28.1	26.6										
55	23.4	22.6	21.4	20.4	22.8	23.7	23.9	23.6										
60	20.3	19.8	19.0	18.3	20.0	20.5	20.7	20.8										
65	17.4	17.4	16.5	15.8	17.3	17.5	17.2	17.5										
70	14.0	13.3	12.6	12.1	13.7	13.9	13.8	13.8										
75	9.14	9.53	9.31	8.93	9.68	8.62	8.31	8.47										
80	3.52	4.36	4.64	4.40	4.06	3.31	3.11	3.30										
85	0.64	1.10	1.26	1.17	0.86	0.51	0.38	0.46										
90	0.63	0.42	0.19	0.37	0.10	0.10	0.06	0.41										
95	0.44	0.29	0.11	0.15	0.05	0.04	0.05	0.20										
100	0.40	0.33	0.12	0.07	0.02	0.02	0.05	0.18										
105	0.33	0.32	0.13	0.06	0.03	0.01	0.04	0.17										
110	0.22	0.21	0.11	0.05	0.04	0.01	0.03	0.14										
115	0.16	0.14	0.05	0.03	0.05	0.00	0.03	0.09										
120	0.11	0.08	0.04	0.03	0.03	0.00	0.03	0.07										
125	0.07	0.06	0.03	0.03	0.02	0.00	0.02	0.05										
130	0.05	0.05	0.03	0.02	0.02	0.00	0.02	0.04										
135	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.03										
140	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01										
145	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.02										
150	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.02										
155	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.02										
160	0.03	0.03	0.03	0.02	0.03	0.00	0.02	0.03										
165	0.04	0.06	0.03	0.05	0.05	0.00	0.04	0.03										
170	0.06	0.06	0.05	0.08	0.01	0.00	0.06	0.05										
175	0.04	0.02	0.05	0.08	0.00	0.00	0.07	0.04										
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										

C Range: 0 - 360DEC  
C Interval: 45.0DEC  
Test Speed: HIGH  
Temperature:24.6DEC  
Operators:WANG Yiwei  
Test Date:30 March 2017

γ Range: 0 - 180DEC  
γ Interval: 0.5DEC  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001