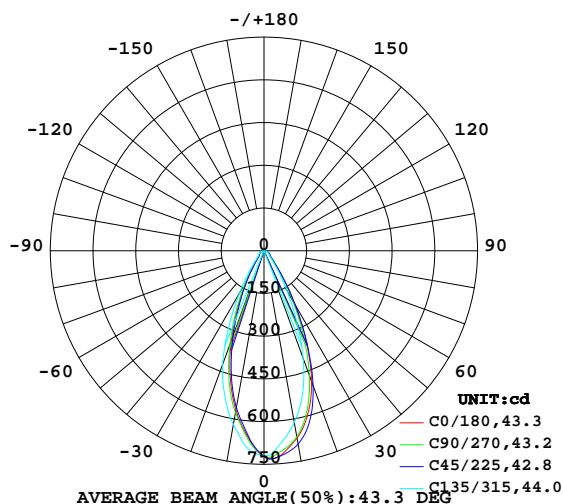


**LUMINAIRE PHOTOMETRIC TEST REPORT**

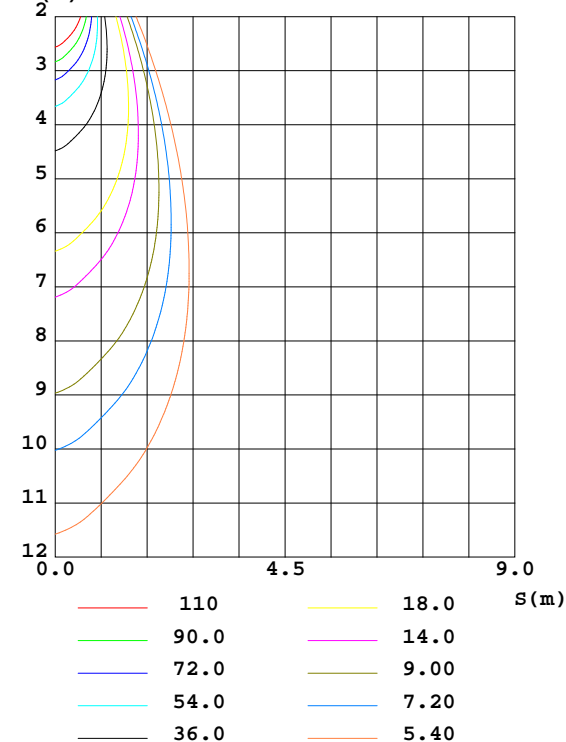
Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.19 lm/W			
MODEL	L114-13	I <sub>max</sub> (cd)	731.8	S/MH(C0/180)	0.76
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	468.36	η UP,DN(C0-180)	0.1,43.7
NOMINAL FLUX(lm)	468.363	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,56.3
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η 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

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

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	655.9	650.4	662.7	693.8	718.2	721.0	705.6	678.8	0- 5	16.81	16.81	3.59,3.59
10	568.8	559.0	576.9	619.2	668.1	689.6	663.3	612.6	5- 10	46.51	63.32	13.5,13.5
15	458.8	444.2	473.4	530.0	594.1	619.4	582.1	521.9	10- 15	68.05	131.4	28,28
20	335.1	317.2	350.3	424.6	487.8	504.0	465.8	402.4	15- 20	77.28	208.6	44.5,44.5
25	216.0	200.1	229.2	291.1	350.9	356.4	328.9	269.7	20- 25	71.96	280.6	59.9,59.9
30	123.9	113.6	133.9	172.5	218.3	218.4	201.6	160.9	25- 30	55.69	336.3	71.8,71.8
35	66.88	58.28	70.49	92.30	120.1	118.2	114.2	89.48	30- 35	36.97	373.3	79.7,79.7
40	38.33	31.94	37.75	48.20	64.17	63.20	64.79	51.16	35- 40	22.57	395.8	84.5,84.5
45	28.11	24.35	25.93	30.49	39.98	39.94	42.74	34.46	40- 45	14.84	410.7	87.7,87.7
50	22.24	21.07	22.05	24.70	29.37	30.09	30.05	25.22	45- 50	11.78	422.4	90.2,90.2
55	19.58	18.71	18.63	20.69	23.91	25.91	25.03	22.05	50- 55	10.15	432.6	92.4,92.4
60	17.22	16.96	16.78	18.43	20.61	22.95	21.44	19.41	55- 60	9.473	442.1	94.4,94.4
65	14.13	14.12	14.32	15.99	18.12	19.89	18.33	16.05	60- 65	8.730	450.8	96.2,96.2
70	11.03	10.89	10.86	11.92	14.13	16.04	14.25	12.65	65- 70	7.327	458.1	97.8,97.8
75	6.873	7.641	7.952	8.941	9.942	10.37	8.270	7.454	70- 75	5.587	463.7	99,99
80	2.695	3.077	3.767	4.384	4.479	3.498	2.957	2.657	75- 80	3.096	466.8	99.7,99.7
85	0.5297	0.7481	1.038	1.207	0.9213	0.5566	0.4124	0.3778	80- 85	1.021	467.8	99.9,99.9
90	0.0762	0.5055	0.8773	0.4758	0.0214	0.0392	0.0690	0.1295	85- 90	0.2231	468.1	99.9,99.9
95	0.0550	0.1496	0.3311	0.2189	0.0038	0.0119	0.0387	0.0794	90- 95	0.0887	468.1	100,100
100	0.0503	0.1064	0.2532	0.1749	0.0038	0.0093	0.0240	0.0612	95-100	0.0527	468.2	100,100
105	0.0329	0.0862	0.1708	0.1508	0.0038	0.0088	0.0419	0.0249	100-105	0.0413	468.2	100,100
110	0.0275	0.0616	0.1144	0.0937	0.0050	0.0096	0.0522	0.0153	105-110	0.0281	468.3	100,100
115	0.0250	0.0429	0.0818	0.0797	0.0048	0.0106	0.0462	0.0144	110-115	0.0214	468.3	100,100
120	0.0230	0.0321	0.0586	0.0535	0.0131	0.0106	0.0302	0.0109	115-120	0.0164	468.3	100,100
125	0.0197	0.0260	0.0374	0.0404	0.0134	0.0109	0.0141	0.0086	120-125	0.0116	468.3	100,100
130	0.0189	0.0217	0.0275	0.0280	0.0134	0.0131	0.0131	0.0058	125-130	0.0083	468.3	100,100
135	0.0205	0.0197	0.0232	0.0168	0.0134	0.0141	0.0131	0.0056	130-135	0.0069	468.3	100,100
140	0.0217	0.0194	0.0210	0.0187	0.0134	0.0139	0.0134	0.0078	135-140	0.0060	468.3	100,100
145	0.0230	0.0194	0.0202	0.0169	0.0129	0.0141	0.0141	0.0081	140-145	0.0054	468.3	100,100
150	0.0235	0.0194	0.0199	0.0169	0.0116	0.0103	0.0149	0.0116	145-150	0.0047	468.3	100,100
155	0.0283	0.0204	0.0192	0.0187	0.0111	0.0081	0.0156	0.0121	150-155	0.0041	468.3	100,100
160	0.0260	0.0224	0.0209	0.0249	0.0116	0.0081	0.0192	0.0205	155-160	0.0036	468.4	100,100
165	0.0365	0.0364	0.0447	0.0409	0.0131	0.0088	0.0298	0.0357	160-165	0.0039	468.4	100,100
170	0.0549	0.0413	0.0621	0.0681	0.0093	0.0088	0.0624	0.0586	165-170	0.0047	468.4	100,100
175	0.0714	0.0669	0.0108	0.0685	0.0086	0.0078	0.0623	0.0349	170-175	0.0033	468.4	100,100
180	0	0	0	0	0	0	0	0	175-180	0.0004	468.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 410.67 lm

%lum = 87.7%

%lamp = 87.7%

Conical surface Flux(120deg): 442.07 lm

%lum = 94.4%

%lamp = 94.4%

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

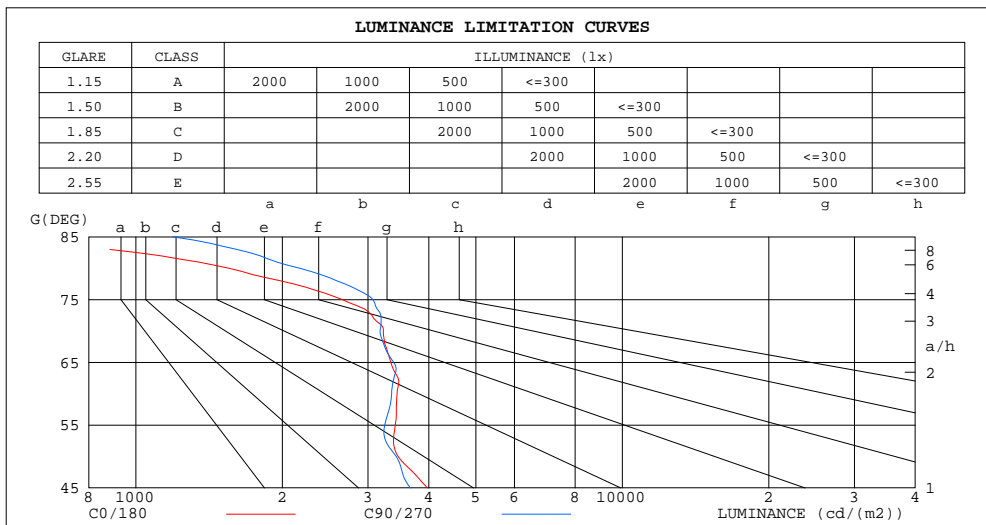
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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	608	1191
80	1552	2169
75	2655	3073
70	3225	3176
65	3344	3388
60	3444	3355
55	3413	3248
50	3460	3430
45	3975	3667

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:

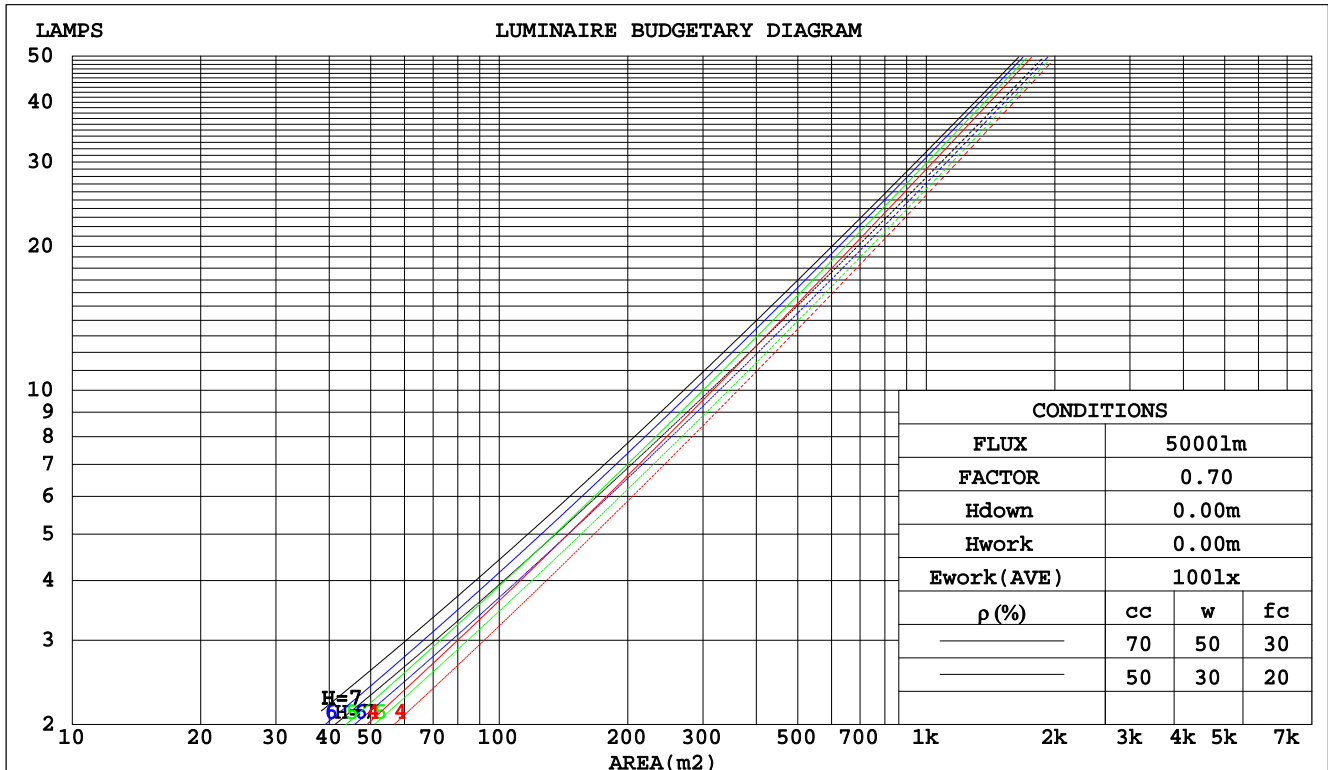
Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.83	.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	.62	.70	.66	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
9.0	.66	.60	.56	.65	.60	.56	.64	.59	.56	.64	.59	.56	.63	.58	.55	.54
10.0	.63	.57	.53	.62	.57	.53	.61	.56	.53	.61	.56	.53	.60	.56	.53	.51



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:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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	.195	.111	.035	.189	.108	.034	.176	.101	.032	.164	.095	.030	.153	.089	.029		
2.0	.185	.102	.031	.180	.099	.030	.169	.094	.029	.159	.089	.028	.150	.085	.027		
3.0	.174	.093	.028	.169	.091	.027	.160	.087	.026	.151	.083	.025	.143	.079	.025		
4.0	.163	.085	.025	.159	.083	.025	.151	.080	.024	.144	.077	.023	.137	.074	.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	.020		
7.0	.138	.068	.019	.135	.067	.019	.129	.065	.019	.124	.064	.019	.120	.062	.018		
8.0	.131	.064	.018	.128	.063	.018	.123	.062	.018	.119	.060	.017	.115	.059	.017		
9.0	.124	.060	.017	.122	.059	.017	.118	.058	.017	.114	.057	.016	.110	.056	.016		
10.0	.119	.057	.016	.117	.056	.016	.113	.055	.016	.109	.054	.015	.106	.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	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.173	.158	.144	.148	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016		
2.0	.159	.133	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013		
3.0	.147	.114	.088	.126	.098	.077	.086	.068	.054	.050	.040	.032	.016	.013	.010		
4.0	.136	.100	.072	.117	.086	.062	.080	.060	.044	.047	.035	.026	.015	.011	.009		
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.044	.031	.022	.014	.010	.007		
6.0	.120	.079	.049	.103	.068	.043	.071	.048	.030	.041	.028	.018	.013	.009	.006		
7.0	.113	.071	.042	.097	.062	.037	.067	.043	.026	.039	.026	.015	.013	.008	.005		
8.0	.107	.065	.036	.092	.056	.032	.064	.040	.022	.037	.023	.013	.012	.008	.004		
9.0	.101	.060	.032	.087	.052	.028	.061	.036	.020	.035	.022	.012	.011	.007	.004		
10.0	.097	.055	.028	.083	.048	.024	.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:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm											
NAME: LED5405##5CD					TYPE:LED			WEIGHT:			
SPEC.:5.5W 2700K 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		15.5	16.5	15.7	16.6	16.8	15.4	16.4	15.7	16.6	16.8
3H		16.9	17.8	17.2	18.0	18.2	16.9	17.8	17.1	18.0	18.2
4H		17.4	18.3	17.7	18.5	18.8	17.5	18.4	17.8	18.6	18.8
6H		17.6	18.4	17.9	18.7	18.9	17.8	18.7	18.1	18.9	19.2
8H		17.6	18.4	17.9	18.7	18.9	17.9	18.7	18.2	18.9	19.2
12H		17.6	18.3	17.9	18.6	18.9	17.9	18.6	18.2	18.9	19.2
4H 2H		16.0	16.9	16.3	17.1	17.4	16.0	16.9	16.3	17.1	17.3
3H		17.7	18.4	18.0	18.7	19.0	17.7	18.4	18.0	18.7	19.0
4H		18.3	19.0	18.7	19.3	19.6	18.4	19.1	18.8	19.4	19.7
6H		18.6	19.2	18.9	19.5	19.9	18.8	19.4	19.2	19.8	20.1
8H		18.6	19.1	19.0	19.5	19.9	18.9	19.4	19.3	19.8	20.2
12H		18.5	19.1	19.0	19.4	19.8	18.9	19.4	19.3	19.8	20.2
8H 4H		18.5	19.1	18.9	19.5	19.8	18.6	19.2	19.0	19.5	19.9
6H		18.8	19.3	19.3	19.7	20.1	19.1	19.5	19.5	19.9	20.4
8H		18.9	19.3	19.3	19.7	20.1	19.2	19.6	19.6	20.0	20.5
12H		18.8	19.2	19.3	19.6	20.1	19.2	19.6	19.7	20.0	20.5
12H 4H		18.5	19.0	18.9	19.4	19.8	18.6	19.1	19.0	19.5	19.9
6H		18.8	19.2	19.3	19.7	20.1	19.1	19.5	19.5	19.9	20.3
8H		18.9	19.2	19.3	19.7	20.1	19.2	19.5	19.6	20.0	20.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H		+ 0.5 / - 0.2					+ 0.6 / - 0.2				
2.0H		+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 468.4 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -2.6$ )

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

### UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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	75	70	82	75	70	81	74	70	66
0.80	90	83	79	89	83	78	88	82	78	74
1.00	95	88	84	94	88	84	92	88	83	79
1.25	99	93	89	98	93	89	96	91	88	83
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	102	105	102	99	93
4.00	112	109	106	110	107	105	107	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

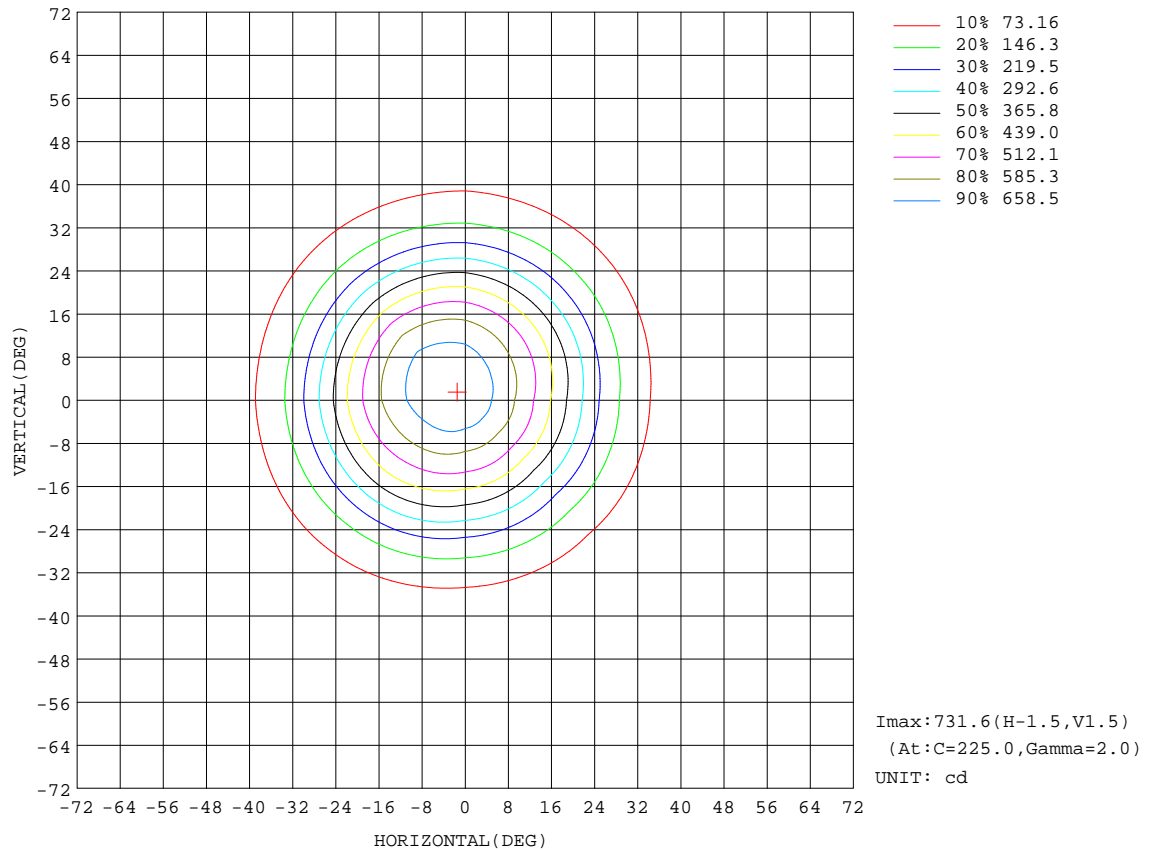
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
 Humidity:60%  
 Test Distance:2.178m [K=1.0000]  
 Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### ISOCANDELA DIAGRAM

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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:

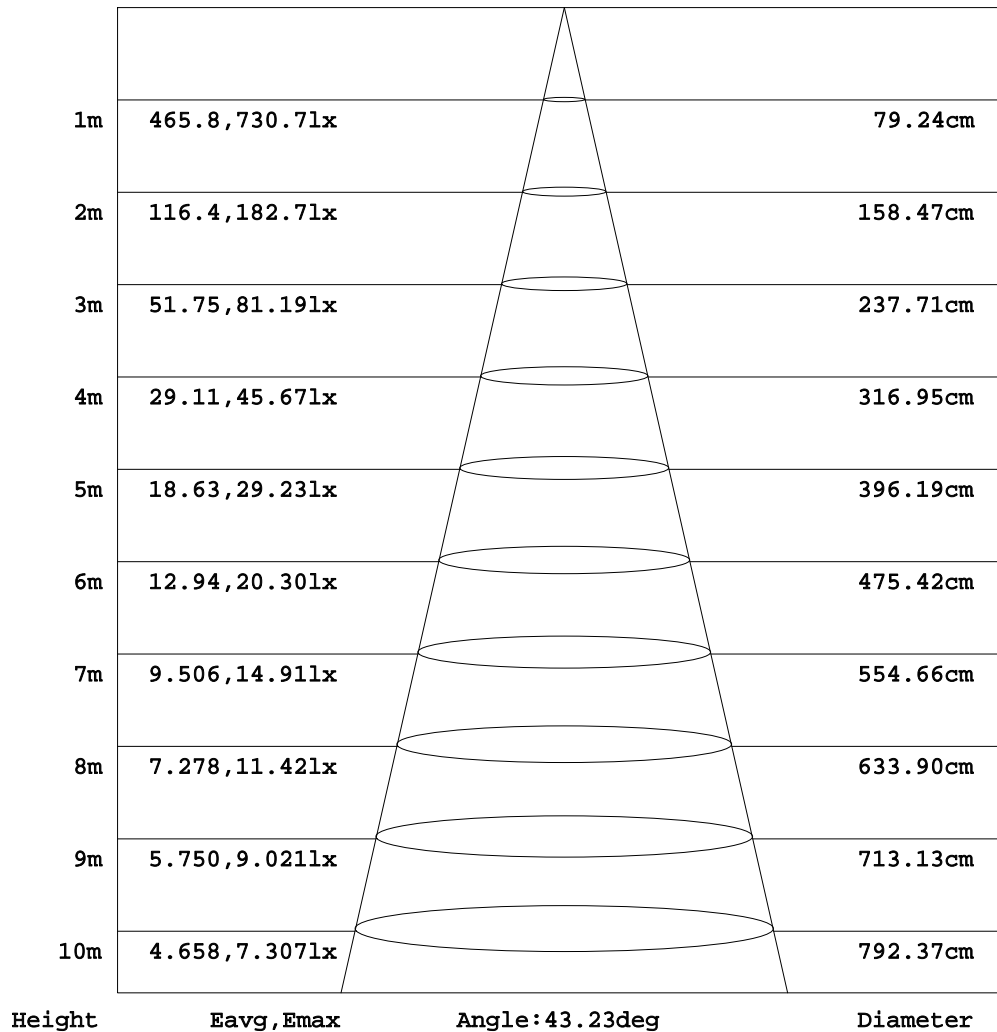
standards: LM-79-08 INSTRUMENT:OP42001



### AAI Figure

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

Flux out:238.9 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

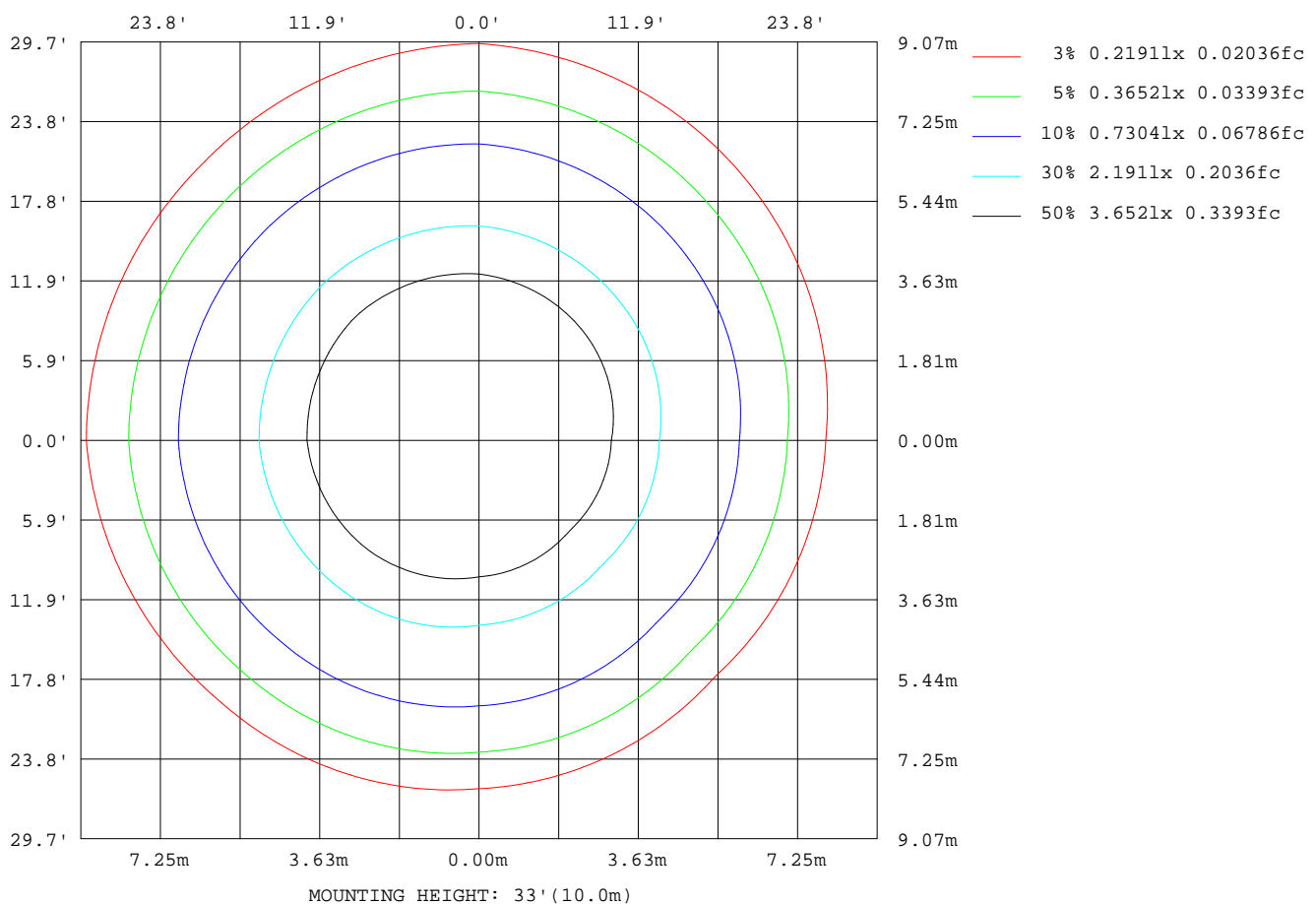
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### ISOLUX DIAGRAM

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K 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:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	3816
L_0~180(75)av	3248
L_0~180(85)av	832
L_90~270(65)av	3863
L_90~270(75)av	3134
L_90~270(85)av	832
L_45(65)av	3907
L_45(75)av	3323
L_45(85)av	829

Standard: GB/T 29293-2012

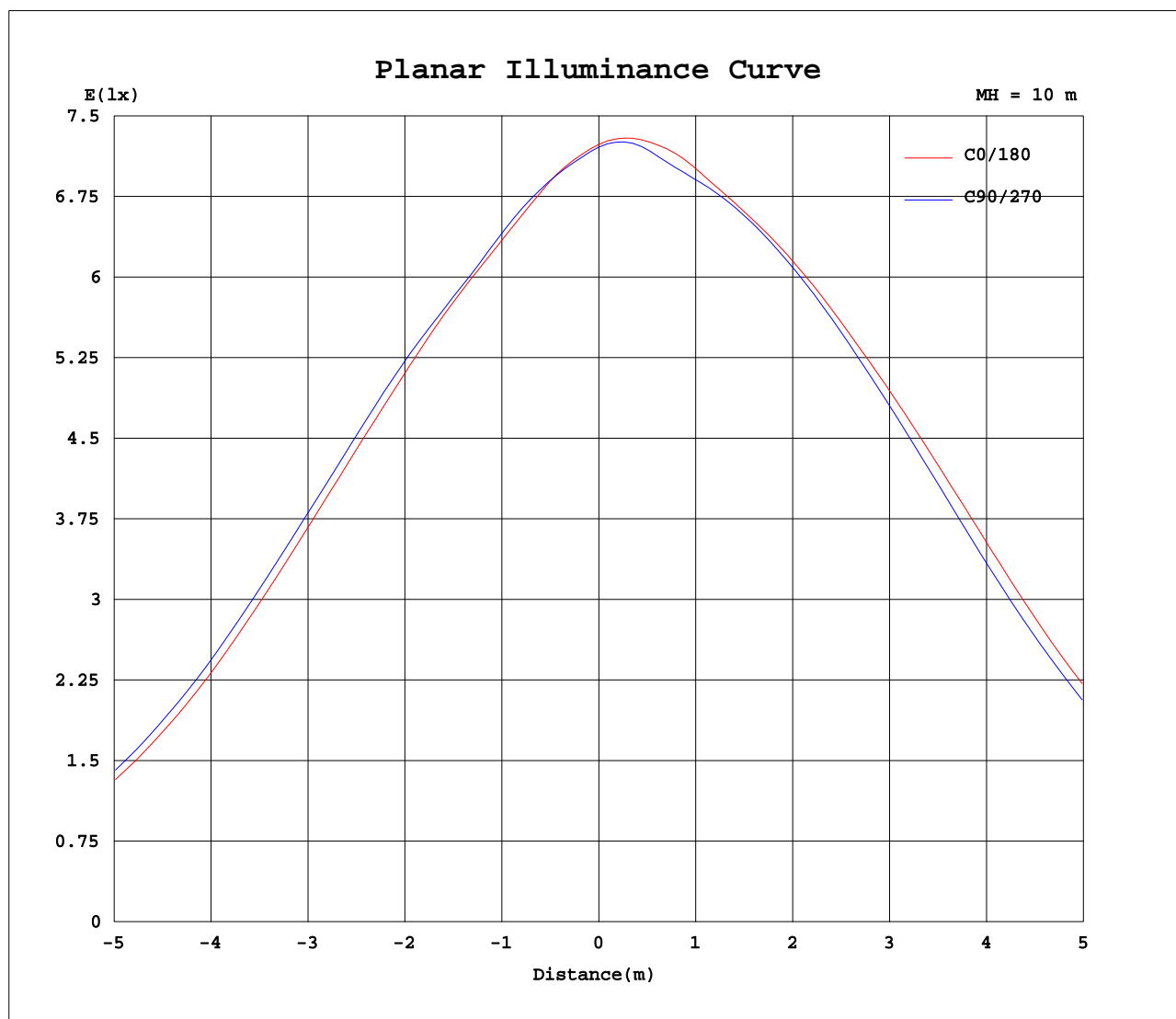
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

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

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

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.0247A P:4.770W PF:0.8396 Freq:50.00Hz Lamp Flux:468.363x1 lm		
NAME: LED5405##5CD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	723	722	721	721	723	722	721	721										
5	656	650	663	694	718	721	706	679										
10	569	559	577	619	668	690	663	613										
15	459	444	473	530	594	619	582	522										
20	335	317	350	425	488	504	466	402										
25	216	200	229	291	351	356	329	270										
30	124	114	134	172	218	218	202	161										
35	66.9	58.3	70.5	92.3	120	118	114	89.5										
40	38.3	31.9	37.7	48.2	64.2	63.2	64.8	51.2										
45	28.1	24.3	25.9	30.5	40.0	39.9	42.7	34.5										
50	22.2	21.1	22.0	24.7	29.4	30.1	30.1	25.2										
55	19.6	18.7	18.6	20.7	23.9	25.9	25.0	22.0										
60	17.2	17.0	16.8	18.4	20.6	22.9	21.4	19.4										
65	14.1	14.1	14.3	16.0	18.1	19.9	18.3	16.0										
70	11.0	10.9	10.9	11.9	14.1	16.0	14.2	12.7										
75	6.87	7.64	7.95	8.94	9.94	10.4	8.27	7.45										
80	2.70	3.08	3.77	4.38	4.48	3.50	2.96	2.66										
85	0.53	0.75	1.04	1.21	0.92	0.56	0.41	0.38										
90	0.08	0.51	0.88	0.48	0.02	0.04	0.07	0.13										
95	0.06	0.15	0.33	0.22	0.00	0.01	0.04	0.08										
100	0.05	0.11	0.25	0.17	0.00	0.01	0.02	0.06										
105	0.03	0.09	0.17	0.15	0.00	0.01	0.04	0.02										
110	0.03	0.06	0.11	0.09	0.01	0.01	0.05	0.02										
115	0.02	0.04	0.08	0.08	0.00	0.01	0.05	0.01										
120	0.02	0.03	0.06	0.05	0.01	0.01	0.03	0.01										
125	0.02	0.03	0.04	0.04	0.01	0.01	0.01	0.01										
130	0.02	0.02	0.03	0.03	0.01	0.01	0.01	0.01										
135	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01										
140	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01										
145	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01										
150	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01										
155	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.01										
160	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.02										
165	0.04	0.04	0.04	0.04	0.01	0.01	0.03	0.04										
170	0.05	0.04	0.06	0.07	0.01	0.01	0.06	0.06										
175	0.07	0.07	0.01	0.07	0.01	0.01	0.06	0.03										
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										

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