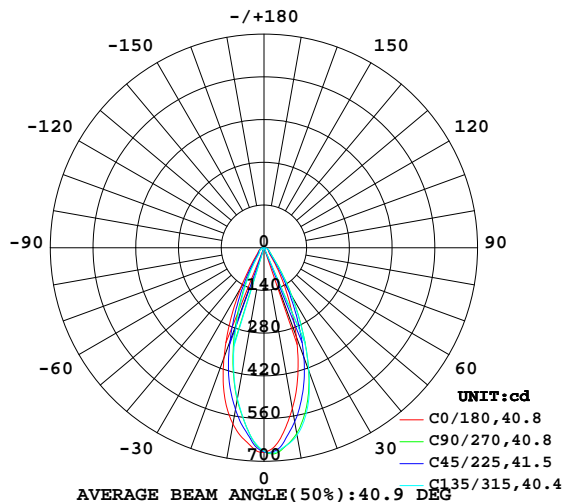


**LUMINAIRE PHOTOMETRIC TEST REPORT**

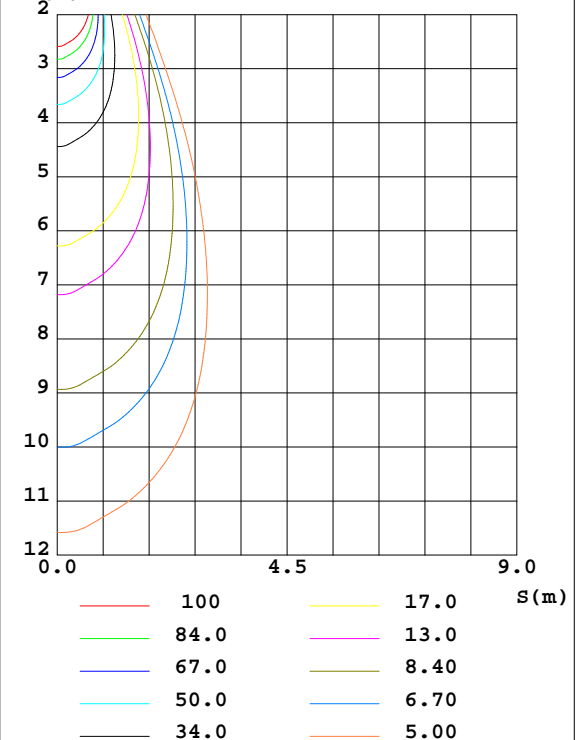
Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx1 lm		
NAME: LED5405##5WD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.47 lm/W			
MODEL	L114-13	I <sub>max</sub> (cd)	676.2	S/MH(C0/180)	0.61
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	407.28	η UP,DN(C0-180)	0.1,45.1
NOMINAL FLUX(lm)	407.281	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
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	640.0	614.1	601.5	602.3	626.2	652.1	664.9	660.6	0- 5	15.55	15.55	3.82,3.82
10	586.7	538.3	506.2	502.5	534.9	579.6	618.0	624.0	5- 10	42.51	58.06	14.3,14.3
15	501.1	444.5	393.2	386.5	429.7	491.0	539.0	547.7	10- 15	60.88	118.9	29.2,29.2
20	383.4	326.2	274.1	261.5	310.6	382.5	428.3	430.2	15- 20	67.06	186.0	45.7,45.7
25	258.2	209.5	169.8	157.7	199.9	259.8	297.6	294.3	20- 25	60.20	246.2	60.4,60.4
30	153.6	120.9	95.43	87.17	115.9	155.9	184.2	178.9	25- 30	45.50	291.7	71.6,71.6
35	85.14	65.41	49.63	45.77	62.55	84.51	104.8	99.50	30- 35	30.08	321.8	79,79
40	50.59	37.59	29.84	27.82	34.79	46.26	58.56	55.79	35- 40	18.82	340.6	83.6,83.6
45	35.47	27.52	23.83	22.59	25.08	30.31	38.02	36.34	40- 45	13.01	353.6	86.8,86.8
50	26.63	21.82	19.96	20.06	21.67	24.65	28.31	26.68	45- 50	10.73	364.3	89.5,89.5
55	22.71	19.25	17.66	17.34	18.49	20.66	22.95	22.49	50- 55	9.466	373.8	91.8,91.8
60	19.73	16.99	15.50	15.50	16.51	18.13	19.22	19.35	55- 60	8.682	382.5	93.9,93.9
65	16.45	13.97	12.69	12.95	14.48	16.08	16.85	16.60	60- 65	7.990	390.5	95.9,95.9
70	13.43	11.28	10.01	9.797	11.44	12.48	13.54	13.23	65- 70	6.793	397.3	97.5,97.5
75	7.668	6.778	6.951	7.184	8.573	9.273	9.425	8.416	70- 75	5.278	402.5	98.8,98.8
80	2.548	2.541	2.914	3.539	4.268	4.683	4.185	3.259	75- 80	3.047	405.6	99.6,99.6
85	0.2407	0.3413	0.5874	0.9497	1.334	1.294	0.7029	0.4159	80- 85	1.043	406.6	99.8,99.8
90	0.3413	0.2139	0.0836	0.2259	0.1323	0.1299	0.0404	0.3215	85- 90	0.2104	406.8	99.9,99.9
95	0.3679	0.2235	0.0936	0.1152	0.0480	0.0611	0.0357	0.1571	90- 95	0.0819	406.9	99.9,99.9
100	0.3079	0.2859	0.1307	0.0982	0.0406	0.0315	0.0353	0.1398	95-100	0.0728	407.0	99.9,99.9
105	0.2968	0.2016	0.1266	0.0902	0.0086	0.0257	0.0389	0.1638	100-105	0.0672	407.1	99.9,99.9
110	0.2240	0.1586	0.0806	0.0654	0.0063	0.0214	0.0401	0.1098	105-110	0.0551	407.1	100,100
115	0.1375	0.1279	0.0576	0.0528	0.0056	0.0159	0.0285	0.0967	110-115	0.0389	407.2	100,100
120	0.0865	0.0740	0.0530	0.0442	0.0048	0.0129	0.0280	0.0666	115-120	0.0268	407.2	100,100
125	0.0579	0.0500	0.0487	0.0334	0.0053	0.0109	0.0270	0.0462	120-125	0.0186	407.2	100,100
130	0.0505	0.0442	0.0467	0.0276	0.0056	0.0085	0.0235	0.0376	125-130	0.0141	407.2	100,100
135	0.0482	0.0414	0.0457	0.0250	0.0063	0.0045	0.0201	0.0297	130-135	0.0118	407.2	100,100
140	0.0394	0.0369	0.0439	0.0222	0.0096	0.0050	0.0144	0.0111	135-140	0.0094	407.2	100,100
145	0.0373	0.0341	0.0434	0.0199	0.0111	0.0073	0.0103	0.0146	140-145	0.0074	407.3	100,100
150	0.0346	0.0251	0.0439	0.0207	0.0126	0.0078	0.0101	0.0157	145-150	0.0065	407.3	100,100
155	0.0351	0.0207	0.0429	0.0225	0.0136	0.0076	0.0103	0.0215	150-155	0.0054	407.3	100,100
160	0.0418	0.0377	0.0437	0.0290	0.0174	0.0028	0.0134	0.0204	155-160	0.0049	407.3	100,100
165	0.0565	0.0676	0.0497	0.0592	0.0265	0.0048	0.0200	0.0235	160-165	0.0052	407.3	100,100
170	0.0666	0.0520	0.0767	0.0696	0.0086	0.0045	0.0375	0.0314	165-170	0.0049	407.3	100,100
175	0.0749	0.0157	0.0503	0.0732	0.0033	0.0025	0.0568	0.0327	170-175	0.0031	407.3	100,100
180	0	0	0	0	0	0	0	0	175-180	0.0004	407.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 353.6 lm

%lum = 86.8%

%lamp = 86.8%

Conical surface Flux(120deg): 382.49 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

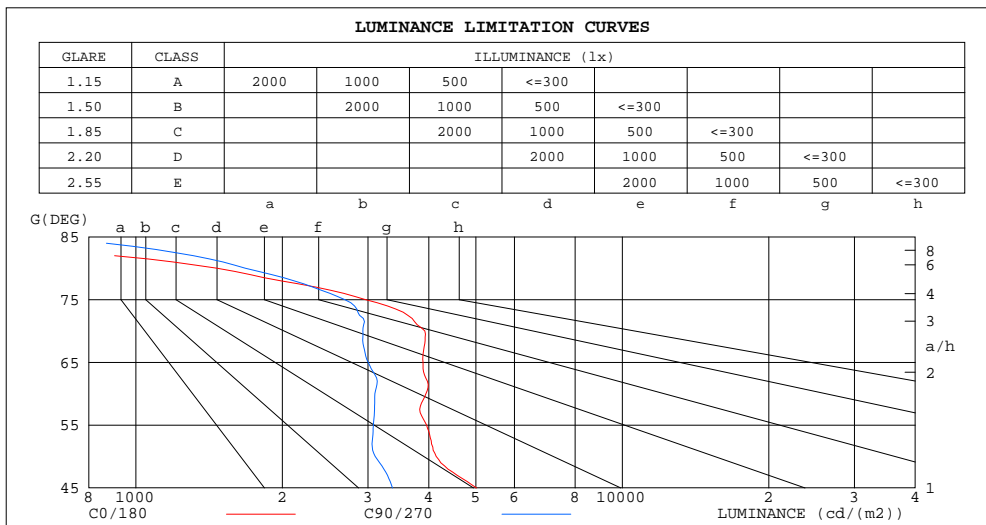
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

### LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx1 lm		
NAME: LED5405##5WD	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	276	674
80	1467	1678
75	2963	2686
70	3927	2928
65	3893	3003
60	3947	3100
55	3959	3078
50	4142	3105
45	5016	3370

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:

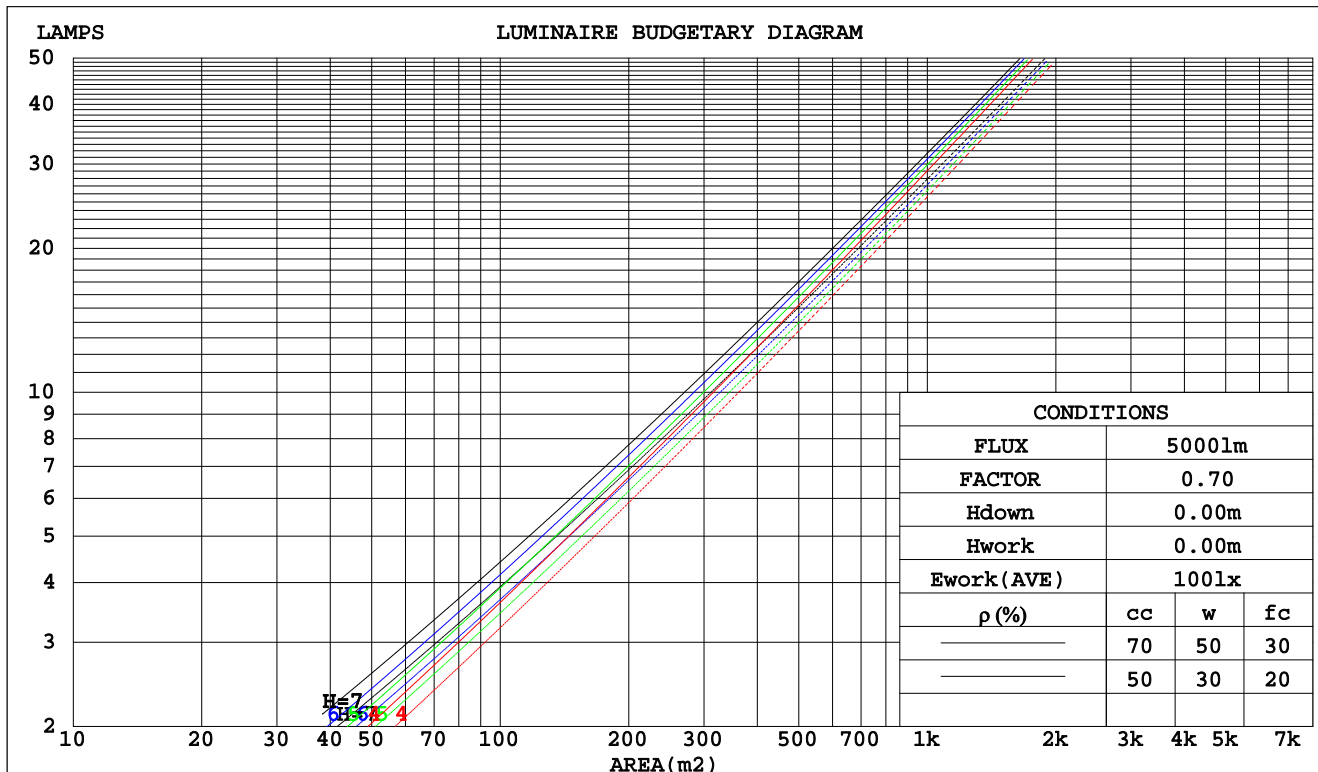
Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx1 lm		
NAME: LED5405##5WD	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	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	.74	.73
5.0	.82	.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	.70	.64	.59	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
9.0	.66	.60	.56	.66	.60	.56	.65	.59	.56	.64	.59	.56	.63	.59	.55	.54
10.0	.63	.57	.53	.62	.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:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.281x1 lm		
NAME: LED5405##5WD	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	.197	.112	.035	.190	.108	.034	.177	.102	.032	.166	.095	.031	.155	.090	.029		
2.0	.186	.102	.031	.181	.099	.031	.170	.094	.029	.160	.090	.028	.151	.085	.027		
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.026	.152	.083	.026	.144	.080	.025		
4.0	.164	.085	.025	.160	.084	.025	.152	.080	.024	.144	.077	.023	.137	.075	.023		
5.0	.154	.079	.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	.137	.068	.019	.135	.067	.019	.129	.065	.019	.124	.064	.019	.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	.110	.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	.087	.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	.102	.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:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.281x1 lm										
NAME: LED5405##5WD					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	17.3	18.3	17.5	18.5	18.6	16.0	17.0	16.2	17.2	17.3
3H	18.8	19.7	19.1	19.9	20.1	17.4	18.3	17.7	18.5	18.7
4H	19.3	20.2	19.6	20.4	20.6	18.0	18.9	18.3	19.1	19.3
6H	19.4	20.2	19.7	20.5	20.7	18.2	19.0	18.5	19.3	19.5
8H	19.4	20.2	19.7	20.4	20.7	18.2	19.0	18.6	19.3	19.6
12H	19.3	20.1	19.7	20.4	20.7	18.2	19.0	18.5	19.2	19.5
4H 2H	17.7	18.6	18.0	18.8	19.0	16.7	17.5	17.0	17.8	18.0
3H	19.4	20.2	19.7	20.4	20.7	18.3	19.1	18.6	19.3	19.6
4H	20.0	20.7	20.3	21.0	21.3	18.9	19.6	19.3	19.9	20.3
6H	20.2	20.8	20.5	21.1	21.5	19.2	19.8	19.6	20.2	20.5
8H	20.1	20.7	20.5	21.1	21.4	19.3	19.8	19.7	20.2	20.6
12H	20.1	20.6	20.5	21.0	21.4	19.2	19.8	19.6	20.1	20.5
8H 4H	20.1	20.7	20.5	21.0	21.4	19.2	19.7	19.5	20.1	20.4
6H	20.3	20.8	20.7	21.2	21.6	19.5	20.0	19.9	20.3	20.8
8H	20.3	20.7	20.7	21.1	21.6	19.5	19.9	20.0	20.4	20.8
12H	20.2	20.6	20.7	21.0	21.5	19.5	19.9	20.0	20.3	20.8
12H 4H	20.1	20.6	20.5	21.0	21.4	19.1	19.6	19.5	20.0	20.4
6H	20.3	20.7	20.7	21.1	21.5	19.5	19.9	19.9	20.3	20.7
8H	20.3	20.6	20.7	21.1	21.5	19.5	19.9	20.0	20.3	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.9 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.6 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 407.3 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -3.1$ )

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:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.281x1 lm		
NAME: LED5405##5WD	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	74	70	81	74	70	80	74	70	65
0.80	89	82	78	89	82	78	87	81	77	73
1.00	94	88	83	94	87	83	92	87	83	78
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	104	99	96	101	97	94	89
2.50	108	103	100	106	102	99	103	99	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	107	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

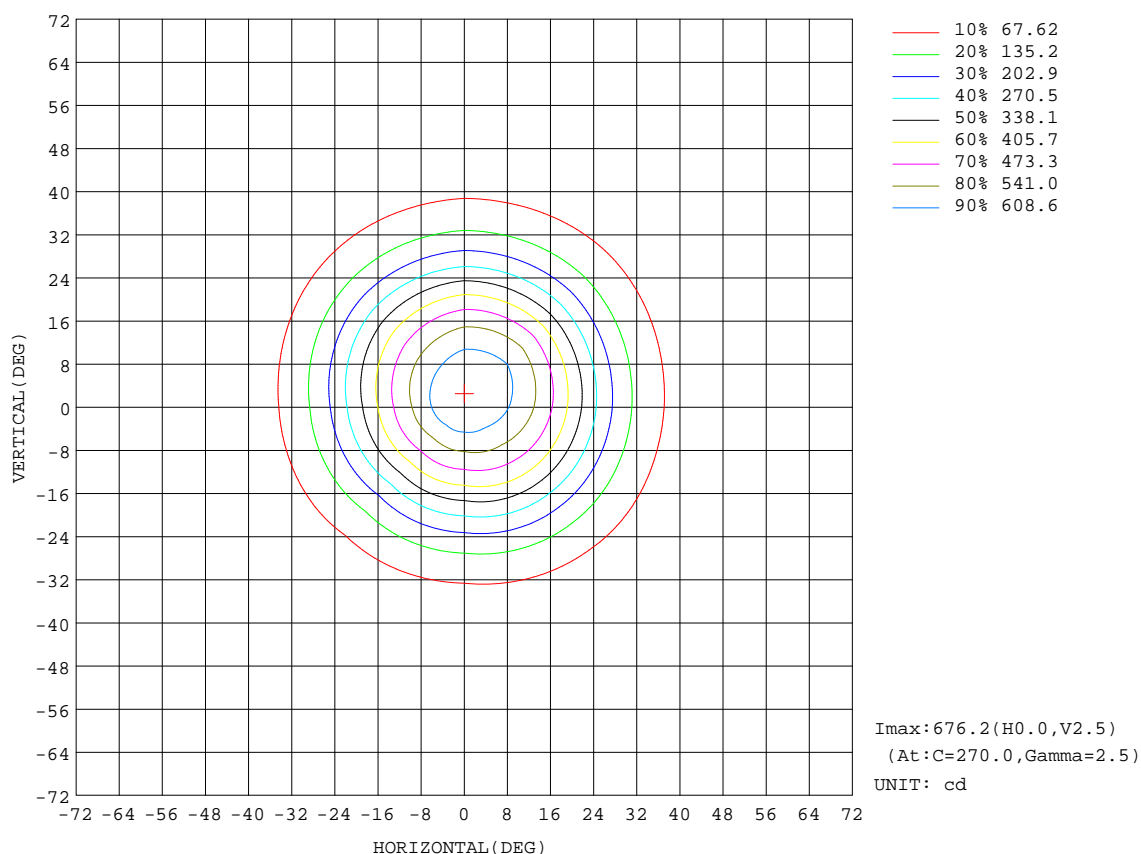
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
 Humidity:60%  
 Test Distance:2.178m [K=1.0000]  
 Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

# ISOCANDELA DIAGRAM

Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx1 lm		
NAME: LED5405##5WD	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:

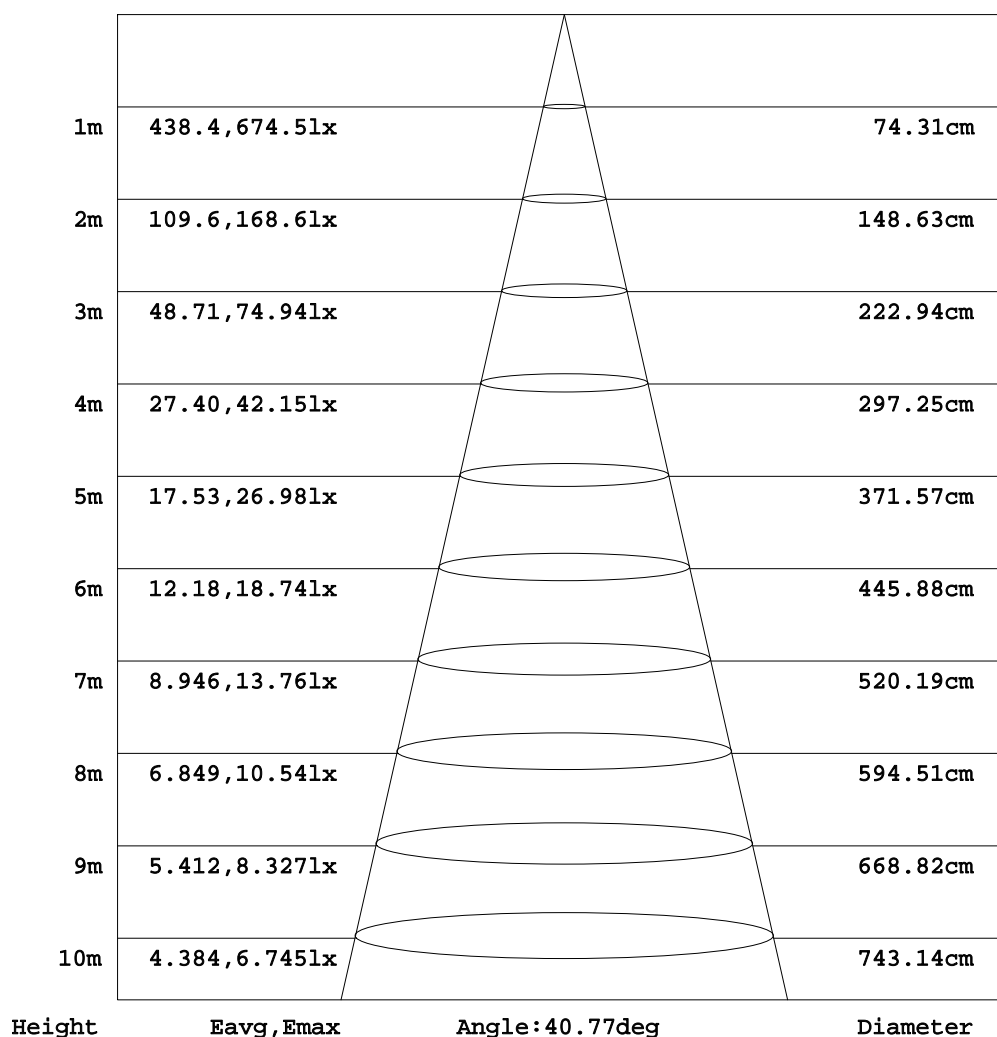
standards: LM-79-08 INSTRUMENT: OP42001



### AAI Figure

Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx1 lm		
NAME: LED5405##5WD	TYPE:LED	WEIGHT:
SPEC.:5.5W 2700K Fire, Air & Acoustic-Rated	DIM.:	SERIAL No.:170330002G
MFR.: Scolmore International Ltd.	SUR.:	Shielding Angle:

Flux out:192.5 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

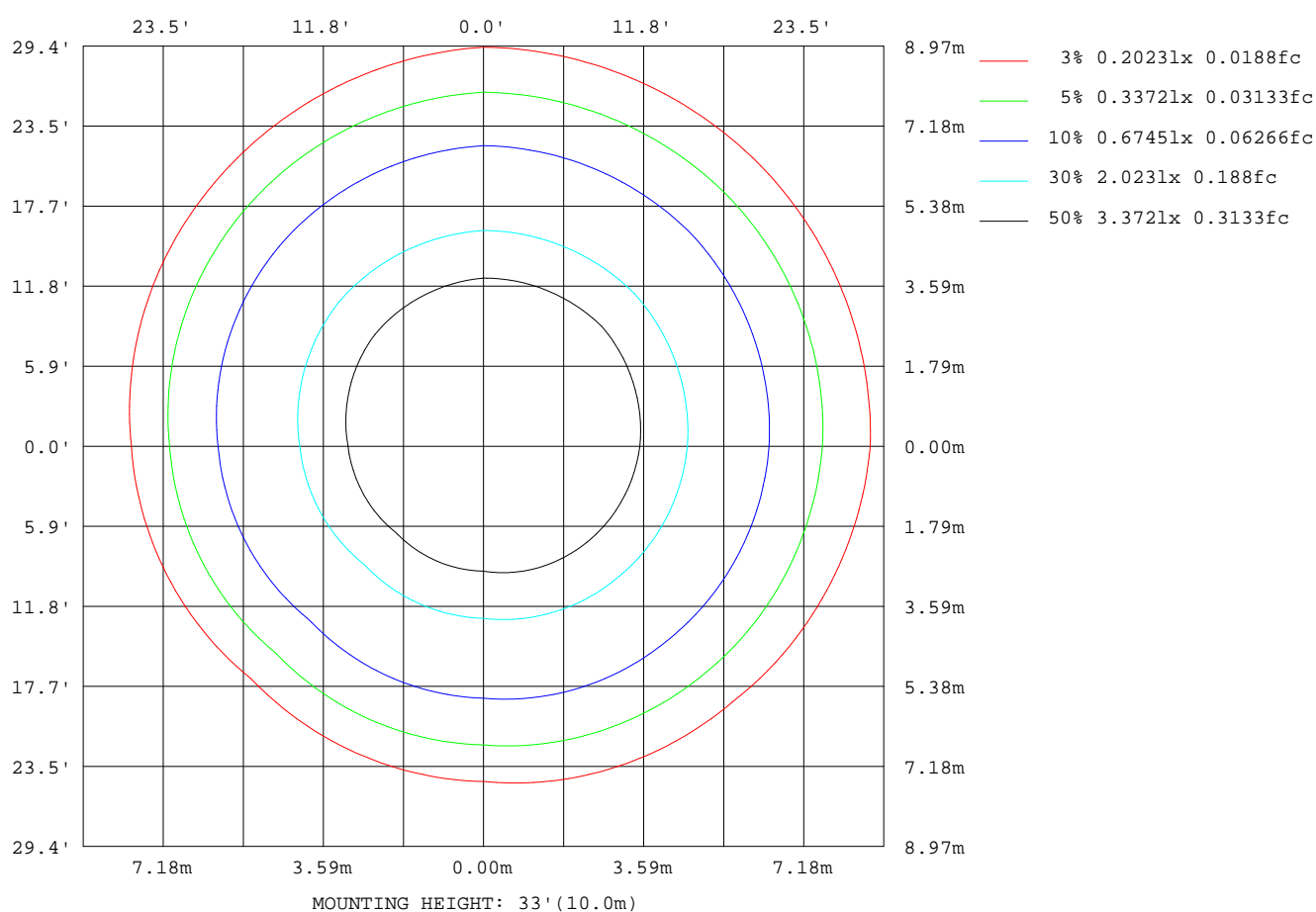
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.361  
Humidity:60%  
Test Distance:2.178m [K=1.0000]  
Remarks:

Assessor:

standards: LM-79-08 INSTRUMENT:OP42001

# ISOLUX DIAGRAM

Test:U:230.0V I:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.28lx 1m		
NAME: LED5405##5WD	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:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.281x1 lm		
NAME: LED5405##5WD	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	3659
L_0~180(75)av	3138
L_0~180(85)av	904
L_90~270(65)av	3495
L_90~270(75)av	3164
L_90~270(85)av	740
L_45(65)av	3525
L_45(75)av	3057
L_45(85)av	861

Standard: GB/T 29293-2012

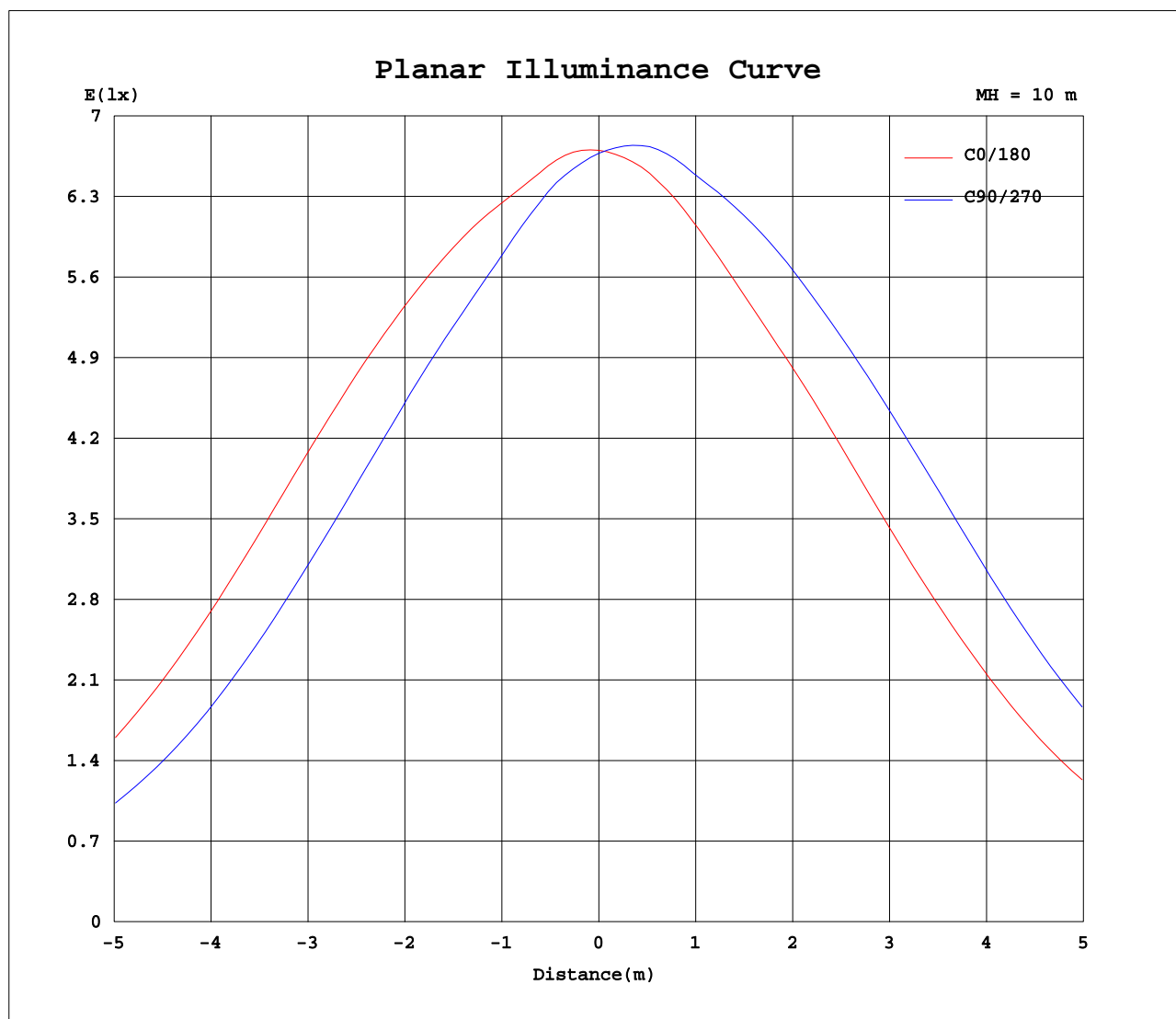
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:24.6DEG  
Operators:WANG Yiwei  
Test Date:30 March 2017

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:0.0244A P:4.710W PF:0.8392 Freq:50.00Hz Lamp Flux:407.281x1 lm		
NAME: LED5405##5WD	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	670	669	668	667	670	669	668	667										
5	640	614	601	602	626	652	665	661										
10	587	538	506	503	535	580	618	624										
15	501	445	393	387	430	491	539	548										
20	383	326	274	262	311	383	428	430										
25	258	209	170	158	200	260	298	294										
30	154	121	95.4	87.2	116	156	184	179										
35	85.1	65.4	49.6	45.8	62.5	84.5	105	99.5										
40	50.6	37.6	29.8	27.8	34.8	46.3	58.6	55.8										
45	35.5	27.5	23.8	22.6	25.1	30.3	38.0	36.3										
50	26.6	21.8	20.0	20.1	21.7	24.6	28.3	26.7										
55	22.7	19.3	17.7	17.3	18.5	20.7	22.9	22.5										
60	19.7	17.0	15.5	15.5	16.5	18.1	19.2	19.4										
65	16.5	14.0	12.7	12.9	14.5	16.1	16.9	16.6										
70	13.4	11.3	10.0	9.80	11.4	12.5	13.5	13.2										
75	7.67	6.78	6.95	7.18	8.57	9.27	9.42	8.42										
80	2.55	2.54	2.91	3.54	4.27	4.68	4.18	3.26										
85	0.24	0.34	0.59	0.95	1.33	1.29	0.70	0.42										
90	0.34	0.21	0.08	0.23	0.13	0.13	0.04	0.32										
95	0.37	0.22	0.09	0.12	0.05	0.06	0.04	0.16										
100	0.31	0.29	0.13	0.10	0.04	0.03	0.04	0.14										
105	0.30	0.20	0.13	0.09	0.01	0.03	0.04	0.16										
110	0.22	0.16	0.08	0.07	0.01	0.02	0.04	0.11										
115	0.14	0.13	0.06	0.05	0.01	0.02	0.03	0.10										
120	0.09	0.07	0.05	0.04	0.00	0.01	0.03	0.07										
125	0.06	0.05	0.05	0.03	0.01	0.01	0.03	0.05										
130	0.05	0.04	0.05	0.03	0.01	0.01	0.02	0.04										
135	0.05	0.04	0.05	0.02	0.01	0.00	0.02	0.03										
140	0.04	0.04	0.04	0.02	0.01	0.01	0.01	0.01										
145	0.04	0.03	0.04	0.02	0.01	0.01	0.01	0.01										
150	0.03	0.03	0.04	0.02	0.01	0.01	0.01	0.02										
155	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0.02										
160	0.04	0.04	0.04	0.03	0.02	0.00	0.01	0.02										
165	0.06	0.07	0.05	0.06	0.03	0.00	0.02	0.02										
170	0.07	0.05	0.08	0.07	0.01	0.00	0.04	0.03										
175	0.07	0.02	0.05	0.07	0.00	0.00	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