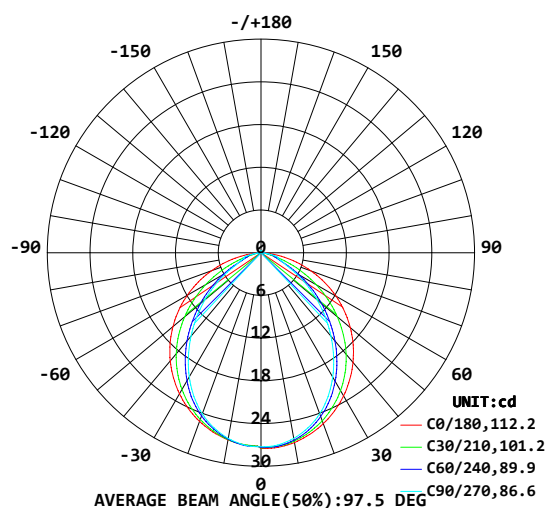


## LUMINAIRE PHOTOMETRIC TEST REPORT

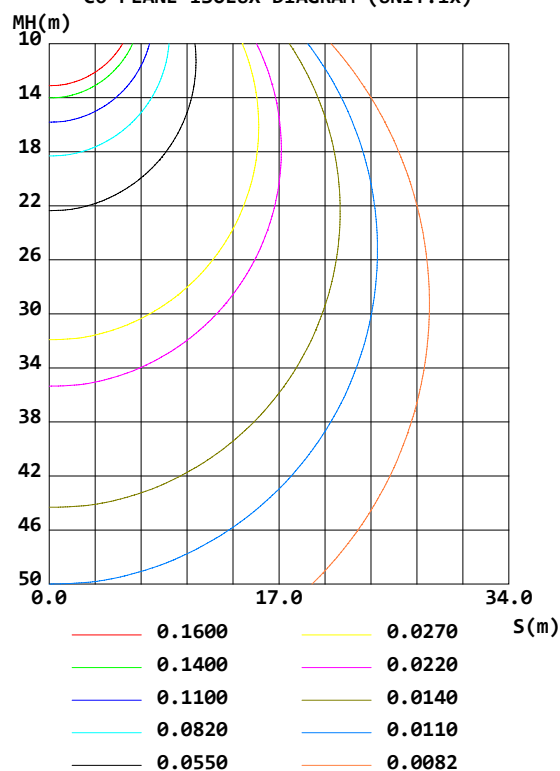
Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 22.84 lm/W
MODEL	RR18-SUPER-05-30	I <sub>max</sub> (cd)	27.49	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	2.79	LOR(%)	100.0	S/MH(C90/270)	1.12	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	62.871	h UP,DN(C0-180)	0.2,49.8	
NOMINAL FLUX(lm)	62.8714	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.2,49.8	
LAMPS INSIDE	1	h up(%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	h down(%)	99.6	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 12.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	27.06	26.78	26.47	26.61	26.68	26.61	26.47	26.78	0- 10	2.579	2.579	4.1, 4.1
20	25.56	24.80	24.09	24.66	25.21	24.66	24.09	24.80	10- 20	7.290	9.870	15.7, 15.7
30	23.21	21.61	20.16	21.51	22.89	21.51	20.16	21.61	20- 30	10.72	20.59	32.7, 32.7
40	20.11	17.29	15.31	17.26	19.83	17.26	15.31	17.29	30- 40	12.24	32.83	52.2, 52.2
50	16.38	12.34	10.27	12.34	16.16	12.34	10.27	12.34	40- 50	11.68	44.52	70.8, 70.8
60	12.13	7.245	5.480	7.275	11.96	7.275	5.480	7.245	50- 60	9.271	53.79	85.6, 85.6
70	7.496	2.650	2.752	2.673	7.384	2.673	2.752	2.650	60- 70	5.689	59.48	94.6, 94.6
80	2.937	1.111	1.274	1.096	2.885	1.096	1.274	1.111	70- 80	2.658	62.13	98.8, 98.8
90	0	0	0	0	0	0	0	0	80- 90	0.4570	62.59	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	62.59	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	62.59	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0.0023	62.59	99.6, 99.6
130	0.0297	0.0187	0.0150	0.0336	0.0448	0.0336	0.0150	0.0187	120-130	0.0141	62.61	99.6, 99.6
140	0.1045	0.0784	0.0748	0.1045	0.1045	0.1045	0.0748	0.0784	130-140	0.0430	62.65	99.6, 99.6
150	0.1045	0.1343	0.1418	0.1380	0.1045	0.1380	0.1418	0.1343	140-150	0.0701	62.72	99.8, 99.8
160	0.1343	0.1827	0.2015	0.1679	0.1416	0.1679	0.2015	0.1827	150-160	0.0701	62.79	99.9, 99.9
170	0.2015	0.2350	0.2612	0.2237	0.2238	0.2237	0.2612	0.2350	160-170	0.0576	62.85	100, 100
180	0.2985	0.2462	0.2761	0.2425	0.2388	0.2425	0.2761	0.2462	170-180	0.0228	62.87	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 38.87 lm

%lum = 61.8%

%lamp = 61.8%

Conical surface Flux(120deg): 53.788 lm

%lum = 85.6%

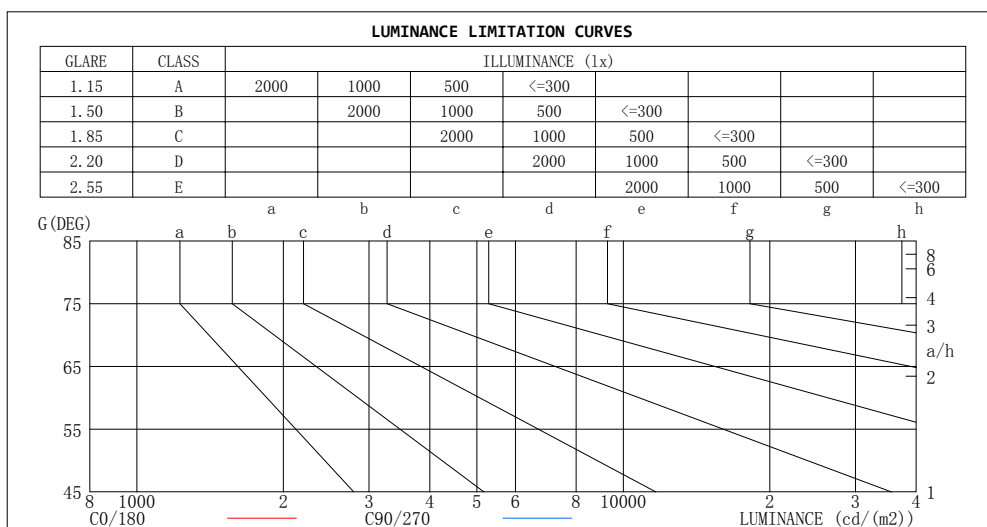
%lamp = 85.6%

C Range: 0 - 180DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-04-06

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:12.000m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	232	24
80	338	147
75	399	186
70	438	161
65	466	173
60	485	219
55	499	273
50	510	320
45	518	362

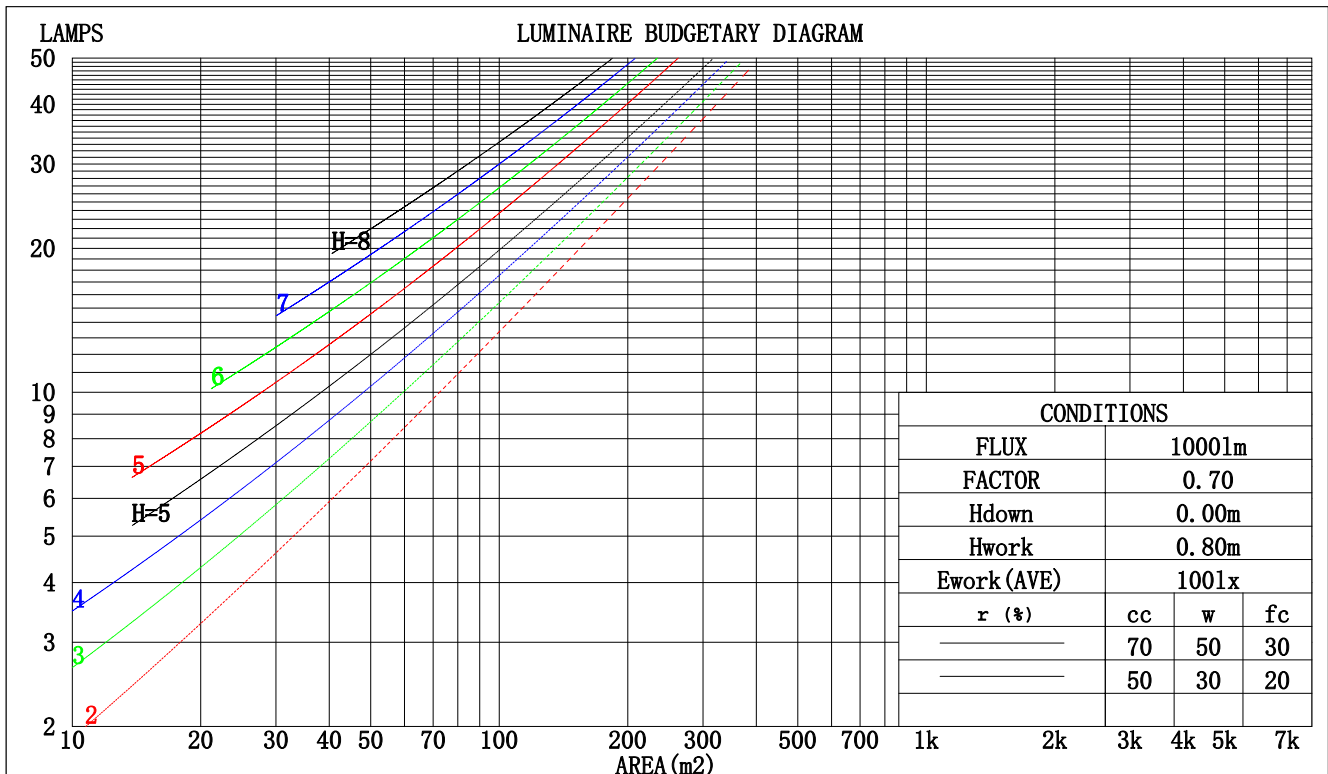
C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rhc	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	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.74
3.0	.83	.76	.70	.81	.75	.69	.78	.73	.68	.76	.71	.66	.73	.69	.65	.63
4.0	.74	.66	.60	.73	.65	.59	.70	.64	.59	.68	.62	.58	.66	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.64	.57	.51	.62	.55	.51	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.52	.46	.58	.51	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.53	.46	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.40	.34	.30	.28



C Range: 0 - 180DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-04-06

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:12.000m [K=1.0000]  
 Remarks:

### WEC AND CCEC

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm					
NAME: 硬灯条			TYPE:RR18-SUPER-05-30		WEIGHT:
SPEC.:RR18-SUPER-05-30			DIM.: 0.1X0.5		SERIAL No.:
MFR.: 乐的美光电			SUR.:0.1X0.5		Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.272	.154	.049	.265	.151	.048	.251	.144	.046	.239	.138	.044	.228	.132	.043	
2.0	.261	.143	.044	.255	.141	.043	.244	.135	.042	.233	.131	.041	.223	.126	.040	
3.0	.246	.131	.039	.240	.129	.039	.230	.125	.038	.221	.121	.037	.212	.117	.036	
4.0	.230	.119	.035	.225	.118	.035	.216	.114	.034	.207	.111	.034	.199	.108	.033	
5.0	.214	.109	.032	.210	.108	.031	.202	.105	.031	.195	.103	.031	.188	.100	.030	
6.0	.200	.101	.029	.197	.099	.029	.189	.097	.028	.183	.095	.028	.176	.093	.028	
7.0	.188	.093	.026	.184	.092	.026	.178	.090	.026	.172	.088	.026	.166	.086	.025	
8.0	.176	.086	.024	.173	.085	.024	.168	.084	.024	.162	.082	.024	.157	.081	.023	
9.0	.166	.080	.022	.163	.080	.022	.158	.078	.022	.153	.077	.022	.149	.075	.022	
10.0	.157	.075	.021	.154	.075	.021	.150	.073	.021	.145	.072	.020	.141	.071	.020	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.181	.160	.141	.155	.137	.121	.106	.094	.084	.061	.055	.049	.020	.018	.016	
2.0	.172	.136	.105	.147	.117	.091	.101	.081	.063	.058	.047	.037	.019	.015	.012	
3.0	.163	.118	.081	.140	.101	.070	.096	.070	.049	.056	.041	.029	.018	.013	.010	
4.0	.156	.104	.065	.133	.090	.056	.092	.063	.040	.053	.037	.023	.017	.012	.008	
5.0	.148	.093	.053	.127	.081	.046	.088	.056	.033	.051	.033	.019	.016	.011	.006	
6.0	.141	.085	.045	.121	.074	.039	.084	.052	.027	.049	.030	.016	.016	.010	.005	
7.0	.135	.078	.038	.116	.068	.033	.080	.047	.024	.047	.028	.014	.015	.009	.005	
8.0	.129	.072	.033	.111	.063	.029	.077	.044	.021	.045	.026	.012	.014	.009	.004	
9.0	.123	.067	.030	.106	.058	.026	.073	.041	.018	.043	.024	.011	.014	.008	.004	
10.0	.117	.063	.027	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	

C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm												
NAME: 硬灯条						TYPE:RR18-SUPER-05-30			WEIGHT:			
SPEC.:RR18-SUPER-05-30						DIM.: 0.1X0.5			SERIAL No.:			
MFR.: 乐的美光电						SUR.:0.1X0.5			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		10.5	11.9	10.7	12.1	12.3	7.5	8.9	7.7	9.1	9.3	
		3H	12.0	13.3	12.3	13.5	13.7	8.0	9.3	8.3	9.6	9.8
		4H	12.5	13.8	12.8	14.0	14.3	8.5	9.7	8.8	9.9	10.2
		6H	12.9	14.0	13.2	14.3	14.6	8.8	10.0	9.1	10.2	10.5
		8H	13.0	14.1	13.3	14.4	14.7	8.8	9.9	9.2	10.2	10.5
		12H	13.0	14.1	13.4	14.4	14.7	8.8	9.9	9.2	10.2	10.5
4H	2H	10.5	11.8	10.9	12.0	12.3	8.0	9.2	8.3	9.5	9.7	
	3H	12.1	13.2	12.5	13.5	13.8	8.7	9.7	9.0	10.0	10.3	
	4H	12.7	13.7	13.1	14.0	14.3	9.2	10.1	9.6	10.5	10.8	
	6H	13.1	14.0	13.5	14.3	14.7	9.6	10.5	10.0	10.8	11.2	
	8H	13.2	14.0	13.7	14.4	14.8	9.7	10.5	10.1	10.8	11.2	
	12H	13.3	14.0	13.7	14.4	14.8	9.7	10.4	10.1	10.8	11.2	
8H	4H	12.6	13.4	13.1	13.8	14.2	9.3	10.1	9.7	10.5	10.8	
	6H	13.1	13.7	13.5	14.2	14.6	9.8	10.5	10.3	10.9	11.3	
	8H	13.2	13.8	13.7	14.2	14.7	9.9	10.5	10.4	10.9	11.4	
	12H	13.3	13.8	13.8	14.2	14.7	9.9	10.4	10.4	10.9	11.4	
12H	4H	12.6	13.3	13.0	13.7	14.1	9.3	10.0	9.7	10.4	10.8	
	6H	13.1	13.6	13.5	14.1	14.5	9.8	10.4	10.3	10.8	11.3	
	8H	13.2	13.7	13.7	14.2	14.6	10.0	10.5	10.4	10.9	11.4	
Variations with the observer position at spacings:												
S = 1.0H		+ 0.2 / - 0.2					+ 0.4 / - 0.5					
1.5H		+ 0.3 / - 0.3					+ 0.2 / - 0.3					
2.0H		+ 0.8 / - 1.2					+ 0.6 / - 1.0					

CIE Pub.117, 62.87 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -9.6)

C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

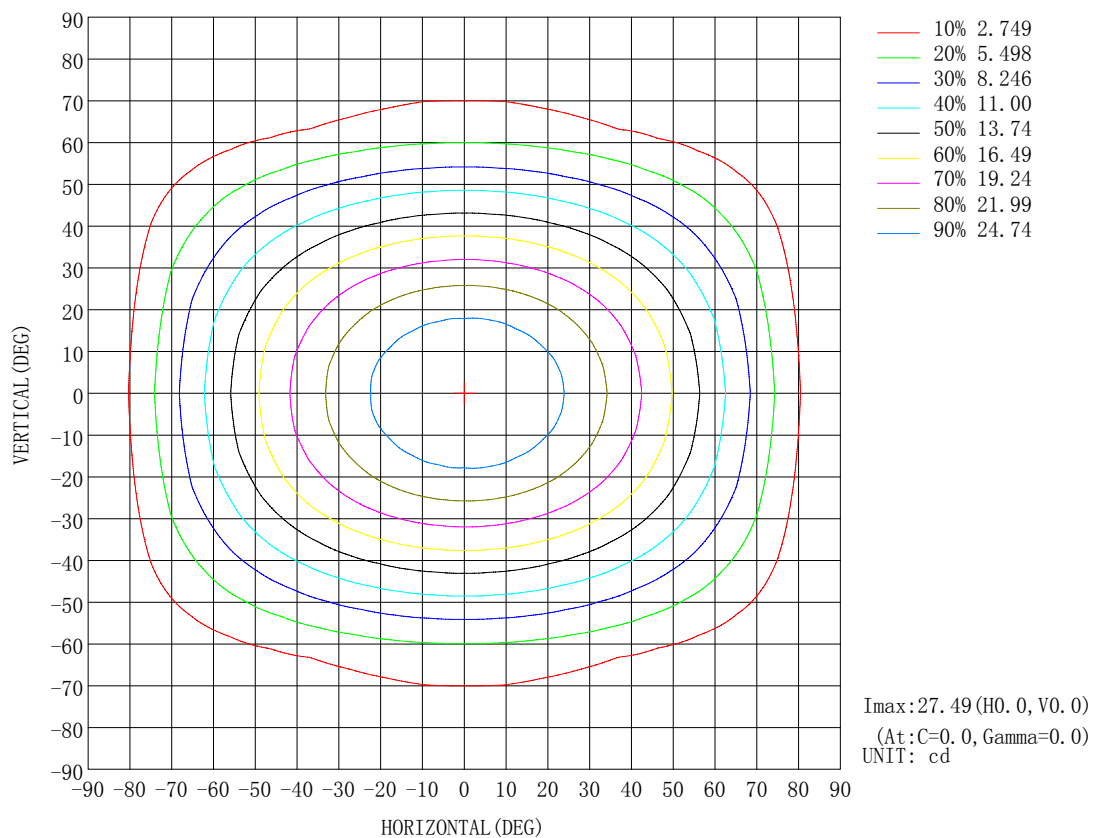
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	51	44	61	51	44	60	50	44	38
0.80	72	61	54	71	61	54	69	60	54	47
1.00	80	70	63	79	70	63	77	71	63	56
1.25	87	78	71	86	77	71	83	75	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	91	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	96	91	86	79
3.00	104	98	94	102	97	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



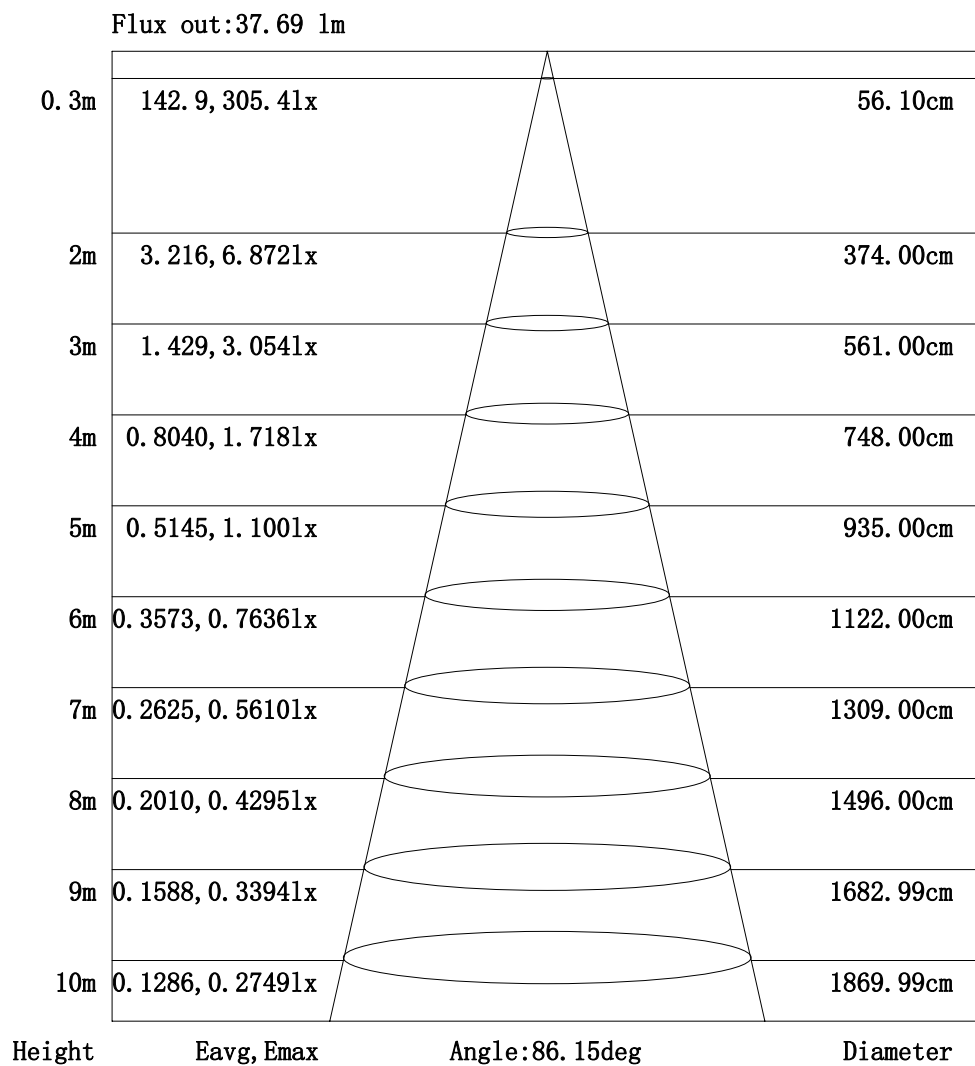
C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 12.000m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



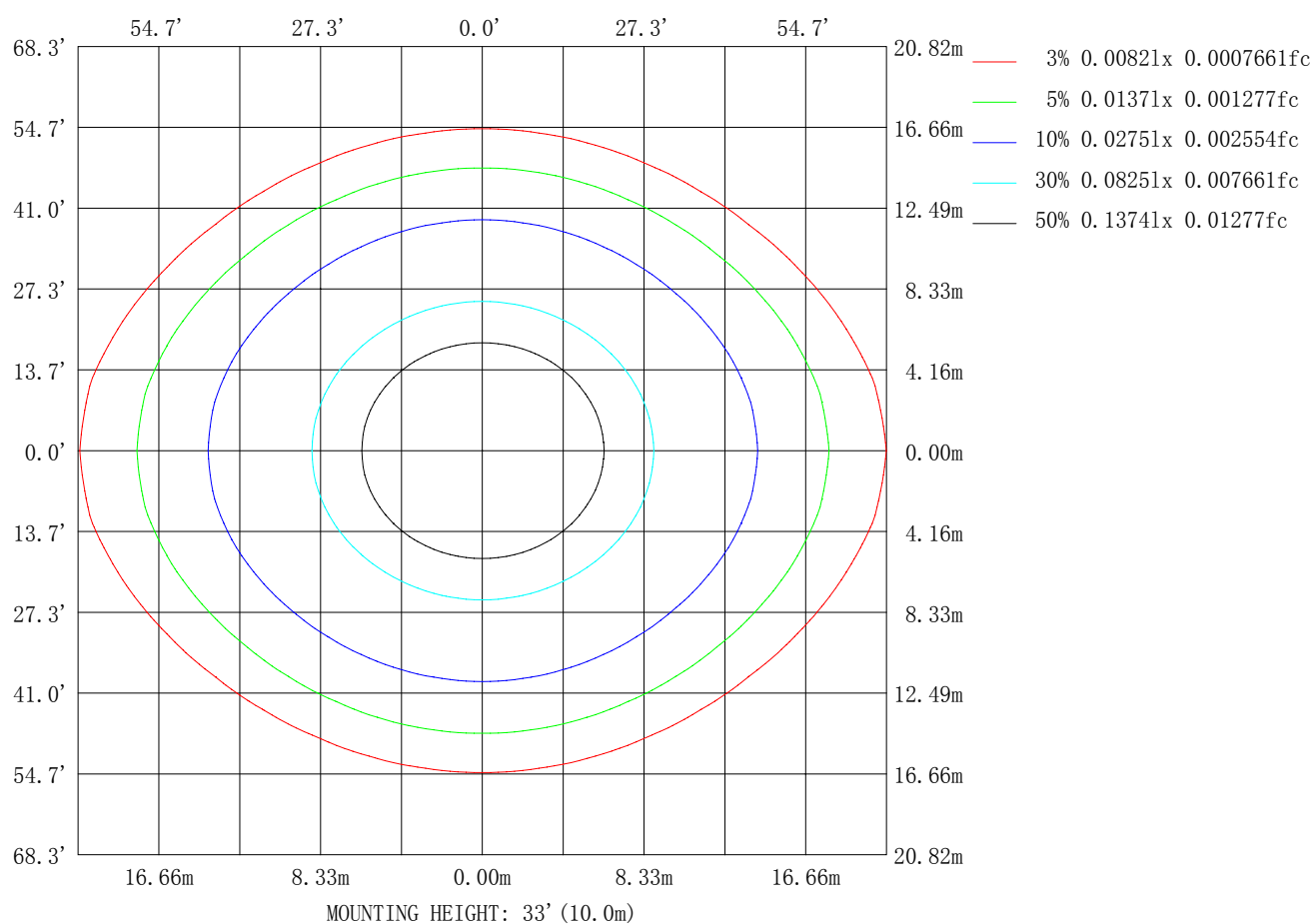
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-04-06

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:12.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 12.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

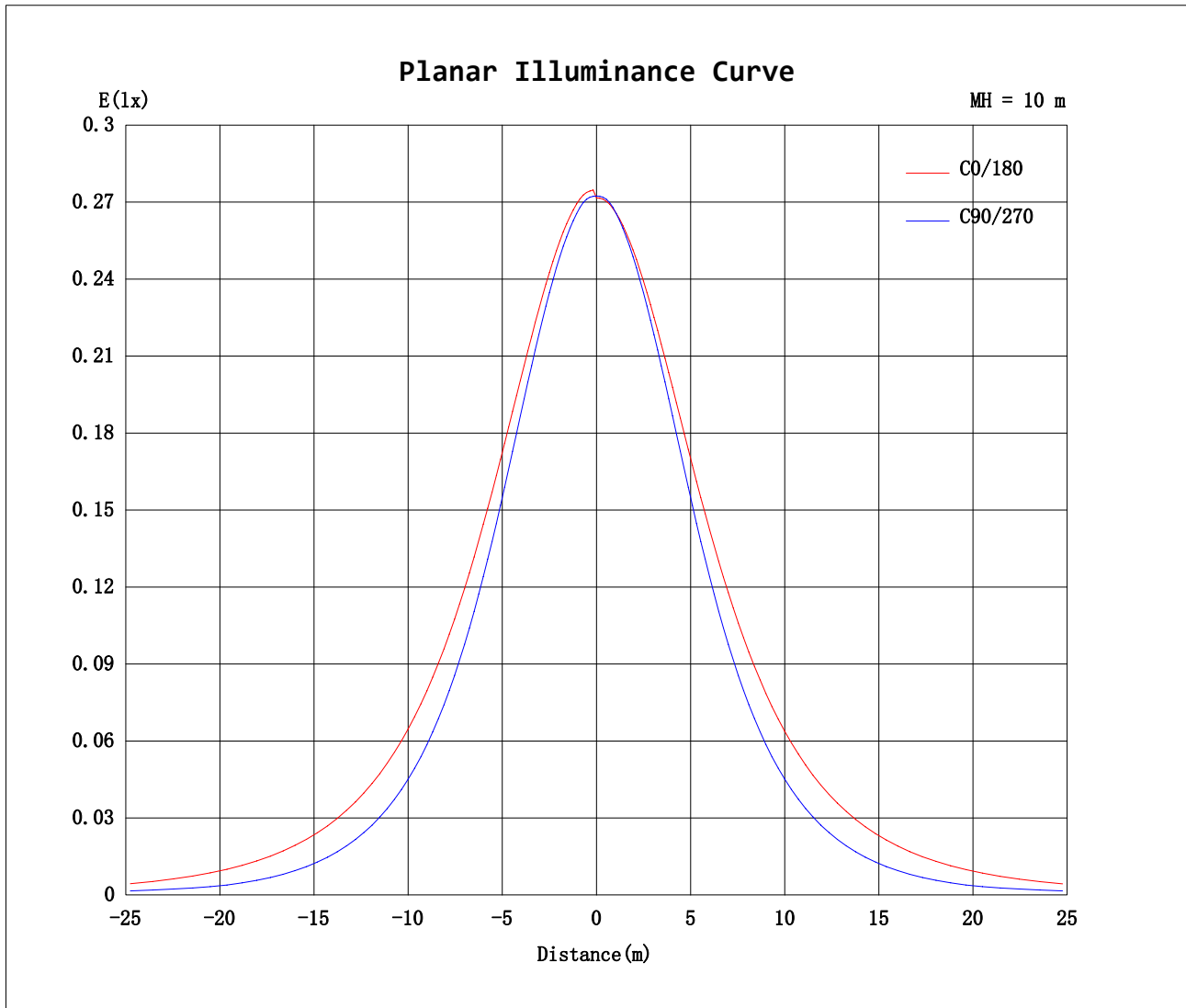
AvgL	cd/m2
L_0~180(65)av	463
L_0~180(75)av	396
L_0~180(85)av	230
L_90~270(65)av	173
L_90~270(75)av	186
L_90~270(85)av	24
L_45(65)av	226
L_45(75)av	118
L_45(85)av	50

Standard: GB/T 29293-2012

C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity: 65.0%  
Test Distance: 12.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-05-30	WEIGHT:
SPEC.:RR18-SUPER-05-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

Table--1																	UNIT: cd			
C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
0	27.5	27.4	27.4	27.4	27.4	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.1	27.2	
5	27.4	27.3	27.4	27.3	27.4	27.2	27.3	27.2	27.2	27.1	27.2	27.1	27.2	27.1	27.2	27.1	27.1	27.0	27.1	
10	27.1	27.0	27.0	26.9	26.9	26.7	26.7	26.6	26.6	26.5	26.5	26.5	26.6	26.5	26.7	26.6	26.8	26.6	26.7	
15	26.4	26.4	26.3	26.1	26.0	25.8	25.8	25.6	25.6	25.5	25.5	25.5	25.7	25.7	25.9	25.9	26.1	26.0	26.1	
20	25.6	25.5	25.4	25.1	24.9	24.7	24.5	24.3	24.2	24.1	24.1	24.2	24.4	24.5	24.8	24.9	25.1	25.2	25.2	
25	24.5	24.4	24.2	23.9	23.5	23.2	22.8	22.6	22.4	22.3	22.4	22.5	22.8	23.1	23.4	23.7	24.0	24.2	24.1	
30	23.2	23.1	22.8	22.3	21.9	21.3	20.9	20.5	20.2	20.2	20.2	20.4	20.8	21.3	21.8	22.2	22.6	22.9	22.9	
35	21.7	21.6	21.2	20.6	19.9	19.2	18.6	18.2	17.9	17.8	17.9	18.1	18.6	19.1	19.8	20.5	21.0	21.4	21.4	
40	20.1	19.9	19.4	18.6	17.7	16.9	16.2	15.7	15.4	15.3	15.4	15.7	16.2	16.9	17.7	18.5	19.2	19.7	19.8	
45	18.3	18.1	17.4	16.4	15.3	14.4	13.7	13.2	12.9	12.8	12.8	13.2	13.6	14.4	15.3	16.3	17.3	17.9	18.1	
50	16.4	16.1	15.2	14.0	12.8	11.9	11.1	10.6	10.3	10.3	10.3	10.6	11.1	11.9	12.8	14.0	15.1	15.9	16.2	
55	14.3	13.9	12.8	11.5	10.3	9.31	8.59	8.16	7.89	7.83	7.89	8.17	8.59	9.32	10.3	11.5	12.8	13.8	14.1	
60	12.1	11.6	10.4	8.93	7.69	6.80	6.14	5.76	5.53	5.48	5.53	5.77	6.15	6.82	7.73	8.98	10.4	11.6	12.0	
65	9.85	9.26	7.81	6.38	5.21	4.38	3.85	3.61	3.67	3.65	3.66	3.61	3.86	4.42	5.27	6.44	7.86	9.25	9.71	
70	7.50	6.80	5.28	3.96	2.91	2.39	2.58	2.64	2.77	2.75	2.76	2.62	2.55	2.39	2.96	4.03	5.36	6.84	7.38	
75	5.17	4.35	2.92	1.79	1.58	1.56	1.95	2.16	2.42	2.40	2.40	2.15	1.91	1.54	1.58	1.86	3.01	4.41	5.09	
80	2.94	2.07	0.99	0.80	1.10	1.13	1.20	1.20	1.28	1.27	1.28	1.20	1.20	1.11	1.08	0.80	1.06	2.15	2.88	
85	1.01	0.35	0.40	0.27	0.26	0.17	0.19	0.11	0.16	0.10	0.17	0.11	0.20	0.19	0.26	0.29	0.40	0.41	0.99	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
115	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	
120	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	
125	0.00	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.00	0.07	0.00	
130	0.03	0.10	0.00	0.07	0.00	0.04	0.00	0.02	0.00	0.01	0.00	0.03	0.00	0.07	0.00	0.08	0.00	0.10	0.04	
135	0.10	0.13	0.04	0.10	0.00	0.07	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.10	0.01	0.11	0.04	0.12	0.08	
140	0.10	0.15	0.09	0.13	0.05	0.10	0.01	0.10	0.00	0.07	0.00	0.10	0.04	0.13	0.08	0.13	0.09	0.15	0.10	
145	0.10	0.17	0.10	0.16	0.10	0.14	0.07	0.11	0.03	0.11	0.04	0.13	0.09	0.16	0.10	0.14	0.09	0.16	0.10	
150	0.10	0.20	0.10	0.19	0.10	0.17	0.09	0.15	0.10	0.14	0.10	0.16	0.13	0.18	0.10	0.17	0.10	0.17	0.10	
155	0.12	0.22	0.13	0.20	0.12	0.19	0.10	0.17	0.10	0.17	0.10	0.20	0.12	0.19	0.10	0.18	0.10	0.19	0.11	
160	0.13	0.23	0.15	0.23	0.14	0.22	0.13	0.20	0.12	0.20	0.13	0.23	0.16	0.22	0.12	0.19	0.11	0.21	0.14	
165	0.18	0.25	0.19	0.25	0.22	0.24	0.16	0.23	0.17	0.23	0.21	0.25	0.22	0.23	0.13	0.22	0.14	0.23	0.16	
170	0.20	0.28	0.20	0.25	0.22	0.25	0.21	0.25	0.21	0.26	0.22	0.28	0.23	0.25	0.20	0.25	0.21	0.25	0.22	
175	0.22	0.28	0.22	0.25	0.22	0.25	0.21	0.25	0.21	0.28	0.22	0.31	0.23	0.25	0.21	0.25	0.22	0.25	0.22	
180	0.30	0.29	0.25	0.25	0.24	0.25	0.24	0.25	0.25	0.28	0.28	0.31	0.25	0.25	0.24	0.25	0.24	0.25	0.24	

C Range: 0 - 180DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-04-06

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:12.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.1147A P:2.7526W PF:1.0000 Freq:50.04Hz Lamp Flux:62.8714x1 lm																	
NAME: 硬灯条									TYPE:RR18-SUPER-05-30						WEIGHT:		
SPEC.:RR18-SUPER-05-30									DIM.: 0.1X0.5						SERIAL No.:		
MFR.: 乐的美光电									SUR.:0.1X0.5						Shielding Angle:		

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4		
5	27.0	27.1	27.1	27.2	27.1	27.2	27.1	27.2	27.1	27.2	27.2	27.3	27.2	27.4	27.3	27.4	27.3		
10	26.6	26.8	26.6	26.7	26.5	26.6	26.5	26.5	26.5	26.6	26.6	26.7	26.7	26.9	26.9	27.0	27.0		
15	26.0	26.1	25.9	25.9	25.7	25.7	25.5	25.5	25.5	25.6	25.6	25.8	25.8	26.0	26.1	26.3	26.4		
20	25.2	25.1	24.9	24.8	24.5	24.4	24.2	24.1	24.1	24.2	24.3	24.5	24.7	24.9	25.1	25.4	25.5		
25	24.2	24.0	23.7	23.4	23.1	22.8	22.5	22.4	22.3	22.4	22.6	22.8	23.2	23.5	23.9	24.2	24.4		
30	22.9	22.6	22.2	21.8	21.3	20.8	20.4	20.2	20.2	20.2	20.5	20.9	21.3	21.9	22.3	22.8	23.1		
35	21.4	21.0	20.5	19.8	19.1	18.6	18.1	17.9	17.8	17.9	18.2	18.6	19.2	19.9	20.6	21.2	21.6		
40	19.7	19.2	18.5	17.7	16.9	16.2	15.7	15.4	15.3	15.4	15.7	16.2	16.9	17.7	18.6	19.4	19.9		
45	17.9	17.3	16.3	15.3	14.4	13.6	13.2	12.8	12.8	12.9	13.2	13.7	14.4	15.3	16.4	17.4	18.1		
50	15.9	15.1	14.0	12.8	11.9	11.1	10.6	10.3	10.3	10.3	10.6	11.1	11.9	12.8	14.0	15.2	16.1		
55	13.8	12.8	11.5	10.3	9.32	8.59	8.17	7.89	7.83	7.89	8.16	8.59	9.31	10.3	11.5	12.8	13.9		
60	11.6	10.4	8.98	7.73	6.82	6.15	5.77	5.53	5.48	5.53	5.76	6.14	6.80	7.69	8.93	10.4	11.6		
65	9.25	7.86	6.44	5.27	4.42	3.86	3.61	3.66	3.65	3.67	3.61	3.85	4.38	5.21	6.38	7.81	9.26		
70	6.84	5.36	4.03	2.96	2.39	2.55	2.62	2.76	2.75	2.77	2.64	2.58	2.39	2.91	3.96	5.28	6.80		
75	4.41	3.01	1.86	1.58	1.54	1.91	2.15	2.40	2.40	2.42	2.16	1.95	1.56	1.58	1.79	2.92	4.35		
80	2.15	1.06	0.80	1.08	1.11	1.20	1.20	1.28	1.27	1.28	1.20	1.20	1.13	1.10	0.80	0.99	2.07		
85	0.41	0.40	0.29	0.26	0.19	0.20	0.11	0.17	0.10	0.16	0.11	0.19	0.17	0.26	0.27	0.40	0.35		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02		
120	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04		
125	0.07	0.00	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.07		
130	0.10	0.00	0.08	0.00	0.07	0.00	0.03	0.00	0.01	0.00	0.02	0.00	0.04	0.00	0.07	0.00	0.10		
135	0.12	0.04	0.11	0.01	0.10	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.07	0.00	0.10	0.04	0.13		
140	0.15	0.09	0.13	0.08	0.13	0.04	0.10	0.00	0.07	0.00	0.10	0.01	0.10	0.05	0.13	0.09	0.15		
145	0.16	0.09	0.14	0.10	0.16	0.09	0.13	0.04	0.11	0.03	0.11	0.07	0.14	0.10	0.16	0.10	0.17		
150	0.17	0.10	0.17	0.10	0.18	0.13	0.16	0.10	0.14	0.10	0.15	0.09	0.17	0.10	0.19	0.10	0.20		
155	0.19	0.10	0.18	0.10	0.19	0.12	0.20	0.10	0.17	0.10	0.17	0.10	0.19	0.12	0.20	0.13	0.22		
160	0.21	0.11	0.19	0.12	0.22	0.16	0.23	0.13	0.20	0.12	0.20	0.13	0.22	0.14	0.23	0.15	0.23		
165	0.23	0.14	0.22	0.13	0.23	0.22	0.25	0.21	0.23	0.17	0.23	0.16	0.24	0.22	0.25	0.19	0.25		
170	0.25	0.21	0.25	0.20	0.25	0.23	0.28	0.22	0.26	0.21	0.25	0.21	0.25	0.22	0.25	0.20	0.28		
175	0.25	0.22	0.25	0.21	0.25	0.23	0.31	0.22	0.28	0.21	0.25	0.21	0.25	0.22	0.25	0.22	0.28		
180	0.25	0.24	0.25	0.24	0.25	0.25	0.31	0.28	0.28	0.25	0.25	0.24	0.25	0.24	0.25	0.25	0.29		

C Range: 0 - 180DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2018-04-06

g Range: 0 - 180DEG

g Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:12.000m [K=1.0000]

Remarks: