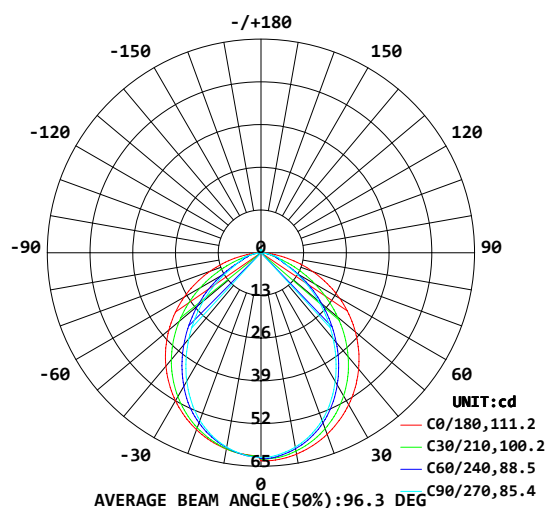


LUMINAIRE PHOTOMETRIC TEST REPORT

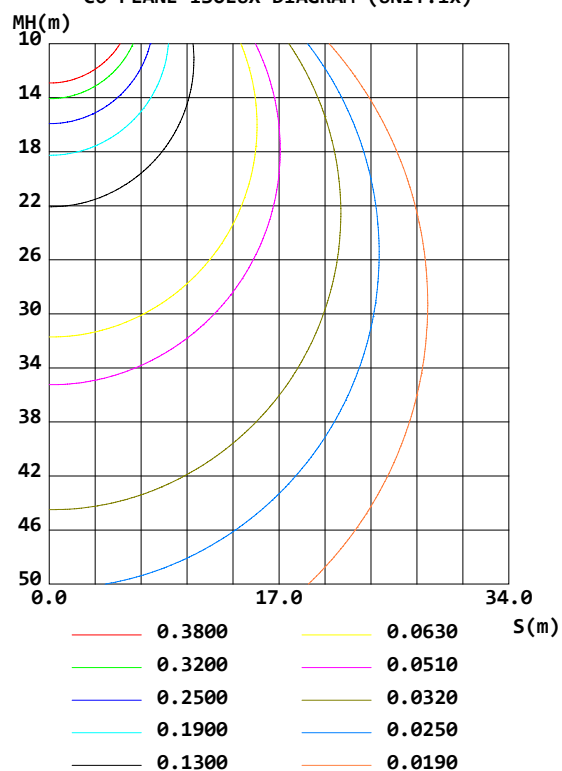
Test:U:23.998V I:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 24.60 lm/W
MODEL	RR18-SUPER-11-30	I _{max} (cd)	63.33	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	5.9	LOR(%)	100.0	S/MH(C90/270)	1.10	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	142.20	h UP,DN(C0-180)	0.5,49.6	
NOMINAL FLUX(lm)	142.2	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.5,49.5	
LAMPS INSIDE	1	h up(%)	1.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	h down(%)	99.0	CIBSE SHR MAX	1.25	

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	62.25	60.90	60.07	60.39	60.68	60.39	60.07	60.90	0- 10	5.875	5.875	4.13, 4.13
20	58.79	56.01	54.33	55.93	57.33	55.93	54.33	56.01	10- 20	16.54	22.42	15.8, 15.8
30	53.38	48.26	45.17	48.84	52.03	48.84	45.17	48.26	20- 30	24.24	46.65	32.8, 32.8
40	46.23	38.11	34.20	39.37	45.03	39.37	34.20	38.11	30- 40	27.59	74.25	52.2, 52.2
50	37.51	26.77	22.90	28.42	36.60	28.42	22.90	26.77	40- 50	26.26	100.5	70.7, 70.7
60	27.58	15.33	12.12	17.02	26.96	17.02	12.12	15.33	50- 60	20.77	121.3	85.3, 85.3
70	16.81	5.729	6.073	6.506	16.52	6.506	6.073	5.729	60- 70	12.75	134.0	94.3, 94.3
80	6.286	2.205	2.152	2.312	6.255	2.312	2.152	2.205	70- 80	5.904	139.9	98.4, 98.4
90	0.0002	0	0	0	0.0008	0	0	0	80- 90	0.8970	140.8	99, 99
100	0	0	0	0	0	0	0	0	90-100	0.0000	140.8	99, 99
110	0.0896	0.0075	0.0001	0.0112	0.0896	0.0112	0.0001	0.0075	100-110	0.0123	140.8	99, 99
120	0.2163	0.1046	0.1045	0.1418	0.2089	0.1418	0.1045	0.1046	110-120	0.0798	140.9	99.1, 99.1
130	0.3358	0.2388	0.2313	0.2984	0.3283	0.2984	0.2313	0.2388	120-130	0.1836	141.1	99.2, 99.2
140	0.4402	0.3991	0.3731	0.4290	0.4402	0.4290	0.3731	0.3991	130-140	0.2650	141.4	99.4, 99.4
150	0.5669	0.5223	0.5149	0.5298	0.5222	0.5298	0.5149	0.5223	140-150	0.2955	141.7	99.6, 99.6
160	0.6117	0.6343	0.6493	0.6156	0.5968	0.6156	0.6493	0.6343	150-160	0.2688	141.9	99.8, 99.8
170	0.7235	0.7610	0.7612	0.7051	0.6865	0.7051	0.7612	0.7610	160-170	0.1923	142.1	99.9, 99.9
180	0.8954	0.8543	0.9103	0.8208	0.8133	0.8208	0.9103	0.8543	170-180	0.0751	142.2	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 87.823 lm

%lum = 61.8%

%lamp = 61.8%

Conical surface Flux(120deg): 121.28 lm

%lum = 85.3%

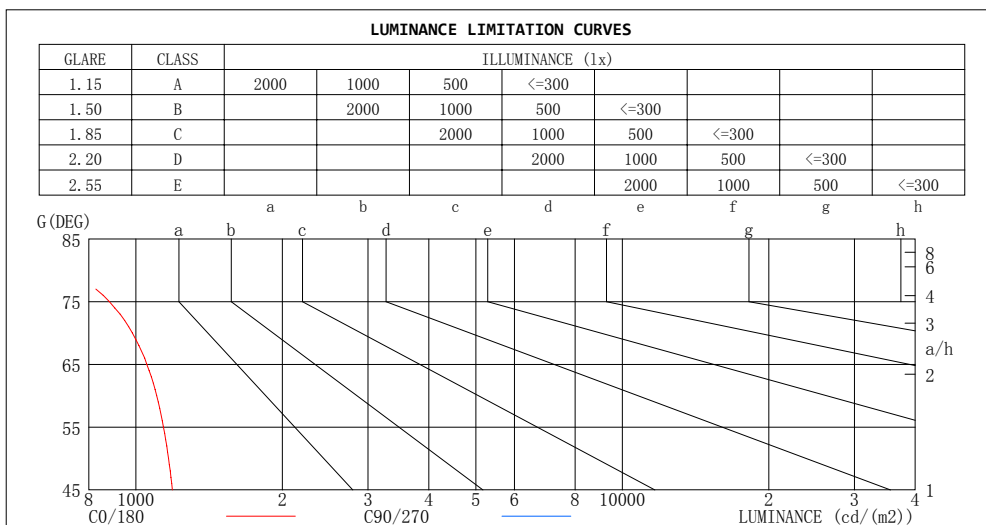
%lamp = 85.3%

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	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	451	0
80	724	248
75	882	388
70	983	355
65	1053	399
60	1103	485
55	1139	606
50	1167	712
45	1189	807

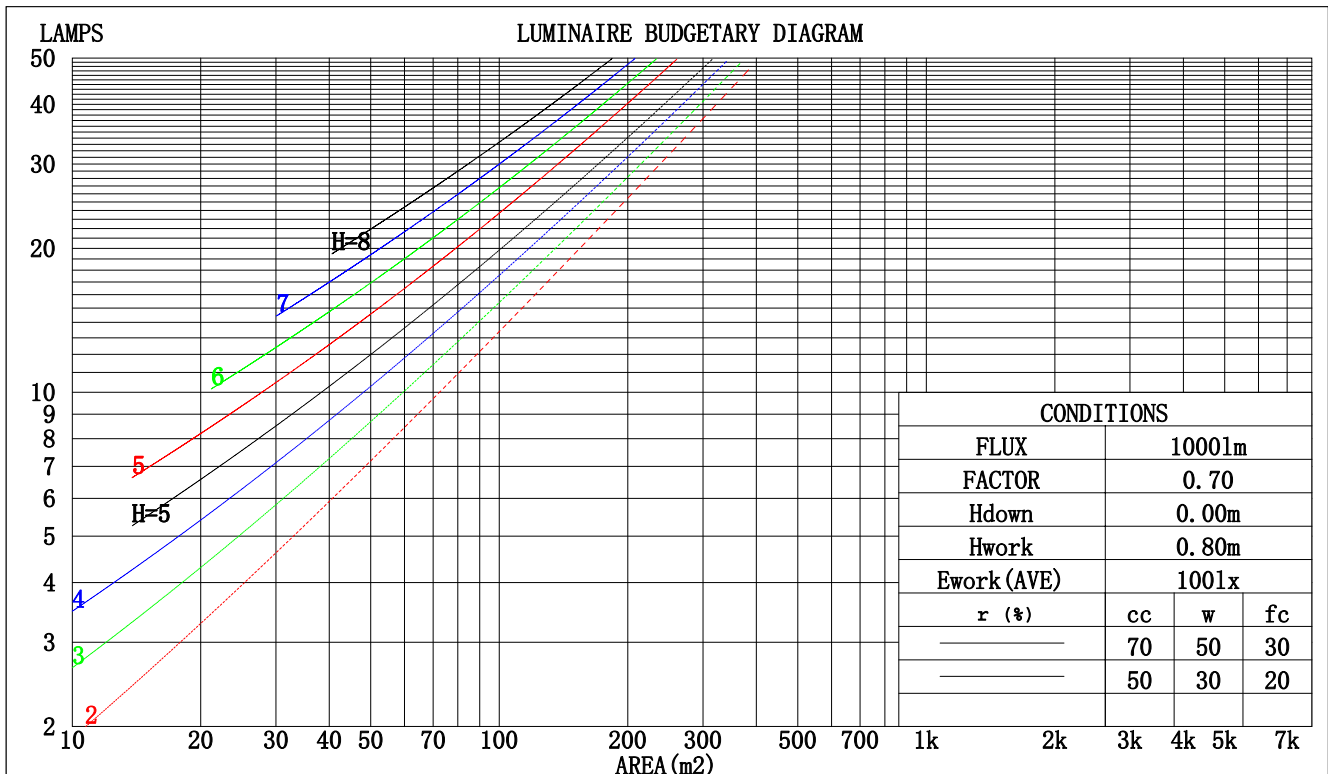
C Range: 0 - 180DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-06

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	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	1.01	1.01	1.01	.99
1.0	1.06	1.02	.99	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.91	.89	.88	.86
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.81	.78	.75	.73
3.0	.83	.76	.70	.81	.75	.69	.78	.72	.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	.63	.57	.51	.61	.55	.51	.60	.54	.50	.48
6.0	.60	.52	.46	.60	.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	.42	.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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	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	.270	.154	.049	.263	.150	.048	.249	.143	.046	.237	.136	.044	.225	.130	.042		
2.0	.260	.143	.044	.254	.140	.043	.242	.135	.042	.231	.130	.041	.221	.125	.039		
3.0	.245	.130	.039	.239	.128	.039	.229	.124	.038	.219	.120	.037	.210	.116	.036		
4.0	.229	.119	.035	.224	.117	.035	.215	.114	.034	.206	.111	.033	.198	.108	.033		
5.0	.214	.109	.032	.209	.107	.031	.201	.105	.031	.193	.102	.030	.186	.099	.030		
6.0	.200	.100	.029	.196	.099	.028	.189	.097	.028	.182	.094	.028	.175	.092	.027		
7.0	.187	.093	.026	.184	.092	.026	.177	.090	.026	.171	.088	.026	.165	.086	.025		
8.0	.176	.086	.024	.173	.085	.024	.167	.083	.024	.161	.082	.024	.156	.080	.023		
9.0	.166	.080	.022	.163	.079	.022	.157	.078	.022	.152	.076	.022	.148	.075	.022		
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.144	.072	.020	.140	.070	.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	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021		
1.0	.185	.164	.145	.158	.141	.125	.108	.097	.086	.062	.056	.050	.020	.018	.016		
2.0	.176	.140	.109	.150	.120	.094	.103	.083	.066	.059	.048	.039	.019	.016	.013		
3.0	.167	.122	.085	.143	.105	.074	.098	.073	.052	.057	.043	.031	.018	.014	.010		
4.0	.159	.108	.069	.137	.093	.060	.094	.065	.042	.054	.038	.025	.018	.012	.008		
5.0	.152	.097	.057	.131	.084	.050	.090	.059	.035	.052	.035	.021	.017	.011	.007		
6.0	.145	.089	.049	.125	.077	.042	.086	.054	.030	.050	.032	.018	.016	.010	.006		
7.0	.139	.082	.042	.119	.071	.037	.082	.050	.026	.048	.029	.016	.015	.010	.005		
8.0	.133	.076	.038	.114	.066	.033	.079	.046	.023	.046	.027	.014	.015	.009	.005		
9.0	.127	.071	.034	.109	.062	.029	.076	.043	.021	.044	.026	.012	.014	.008	.004		
10.0	.121	.067	.031	.105	.058	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004		

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm											
NAME: 硬灯条						TYPE:RR18-SUPER-11-30			WEIGHT:		
SPEC.:RR18-SUPER-11-30						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		13.1	14.5	13.4	14.7	14.9	10.1	11.5	10.3	11.7	11.9
	3H	14.5	15.8	14.8	16.0	16.3	10.7	12.0	11.0	12.2	12.5
	4H	15.0	16.2	15.3	16.5	16.8	11.1	12.3	11.4	12.6	12.9
	6H	15.3	16.5	15.7	16.8	17.0	11.3	12.4	11.6	12.7	13.0
	8H	15.4	16.5	15.7	16.8	17.1	11.3	12.4	11.6	12.7	13.0
	12H	15.4	16.5	15.8	16.8	17.1	11.2	12.3	11.6	12.6	12.9
4H	2H	13.1	14.3	13.4	14.6	14.9	10.5	11.8	10.9	12.0	12.3
	3H	14.6	15.6	14.9	15.9	16.3	11.3	12.3	11.6	12.6	13.0
	4H	15.1	16.1	15.5	16.4	16.8	11.8	12.8	12.2	13.1	13.4
	6H	15.5	16.3	15.9	16.7	17.1	12.1	12.9	12.5	13.3	13.7
	8H	15.6	16.4	16.0	16.7	17.1	12.1	12.9	12.5	13.2	13.6
	12H	15.6	16.3	16.0	16.7	17.2	12.0	12.7	12.5	13.1	13.6
8H	4H	15.1	15.9	15.5	16.2	16.6	11.9	12.7	12.3	13.1	13.5
	6H	15.5	16.1	15.9	16.5	17.0	12.2	12.9	12.7	13.3	13.8
	8H	15.6	16.1	16.0	16.6	17.1	12.3	12.8	12.7	13.3	13.7
	12H	15.6	16.1	16.1	16.6	17.1	12.2	12.7	12.7	13.2	13.7
12H	4H	15.0	15.8	15.5	16.2	16.6	11.9	12.6	12.3	13.0	13.4
	6H	15.4	16.0	15.9	16.4	16.9	12.2	12.8	12.7	13.3	13.7
	8H	15.5	16.0	16.0	16.5	17.0	12.3	12.8	12.8	13.2	13.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.5 / - 0.5				
1.5H		+ 0.4 / - 0.6					+ 0.1 / - 0.3				
2.0H		+ 1.1 / - 1.5					+ 0.8 / - 1.2				

CIE Pub.117, 142.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -6.8)

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

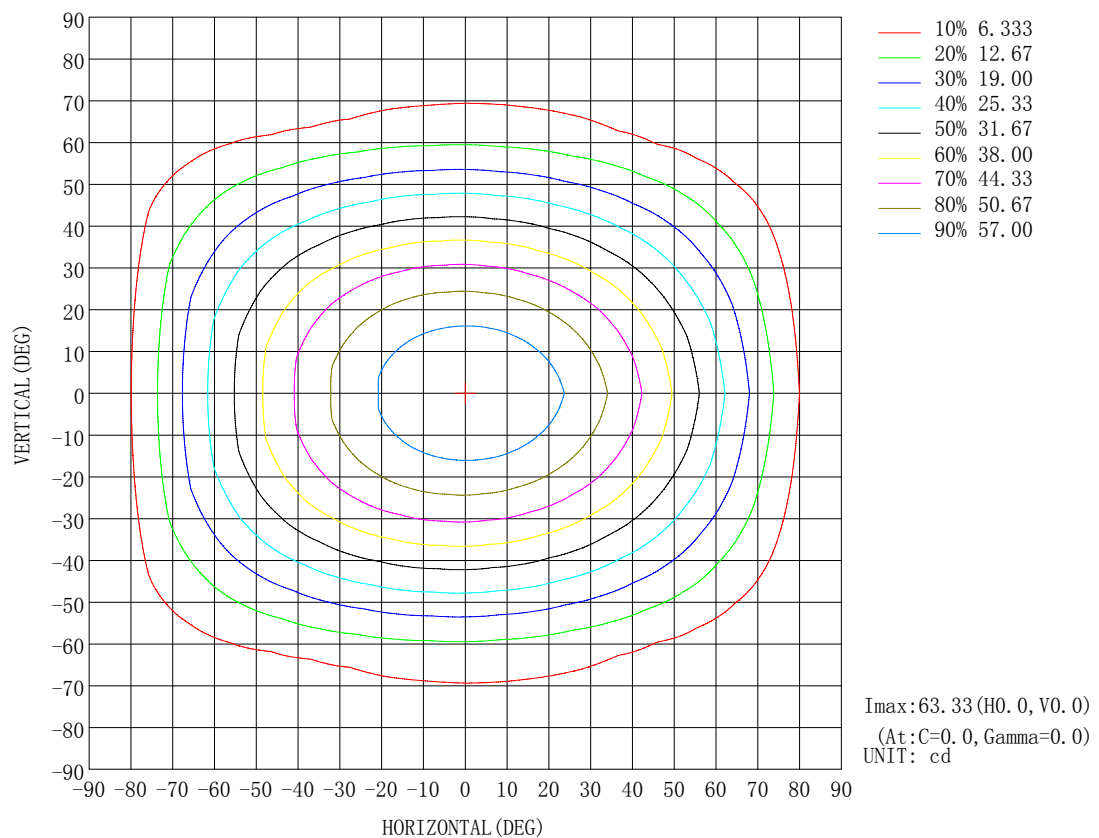
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	54	71	61	54	69	60	54	47
1.00	80	70	64	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	90	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	96	90	86	78
3.00	104	98	94	102	97	92	98	94	90	82
4.00	108	103	99	105	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	97	88
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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

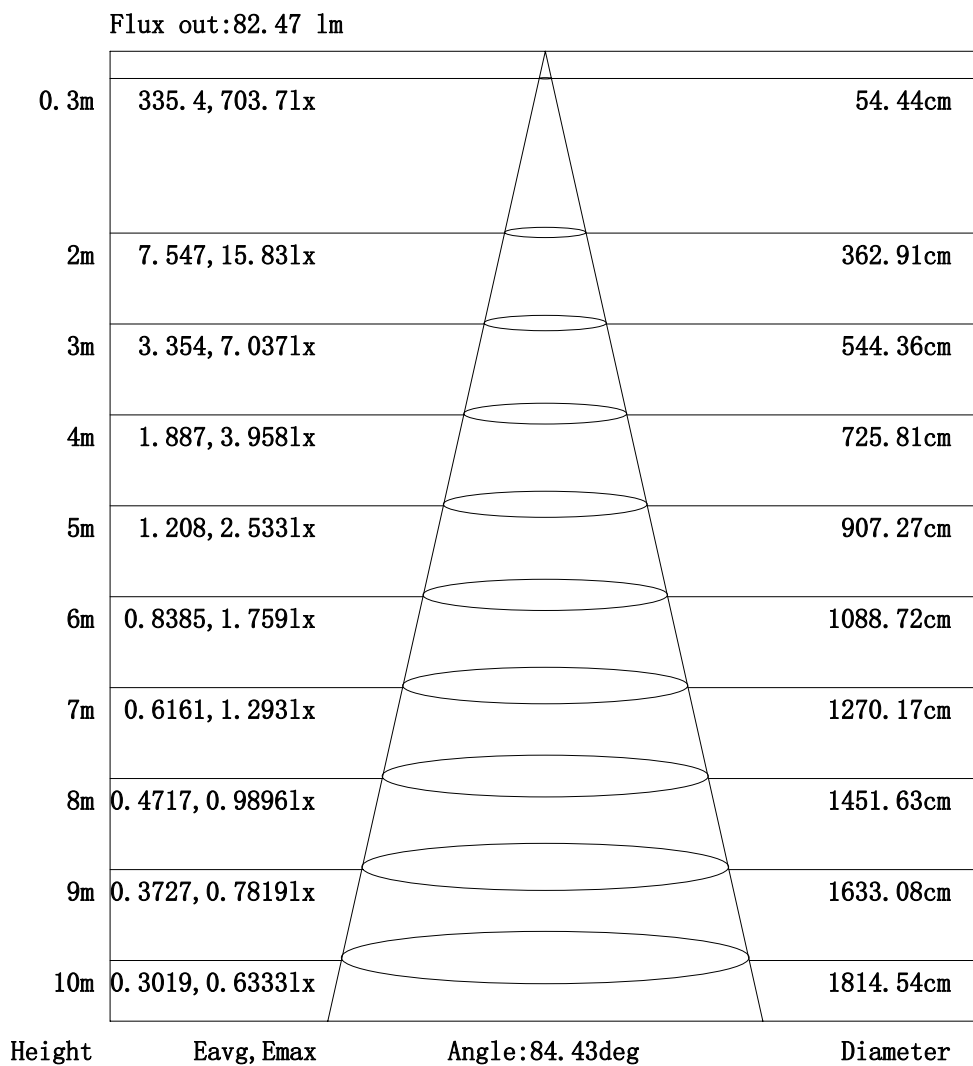


C Range: 0 - 180DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-06

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



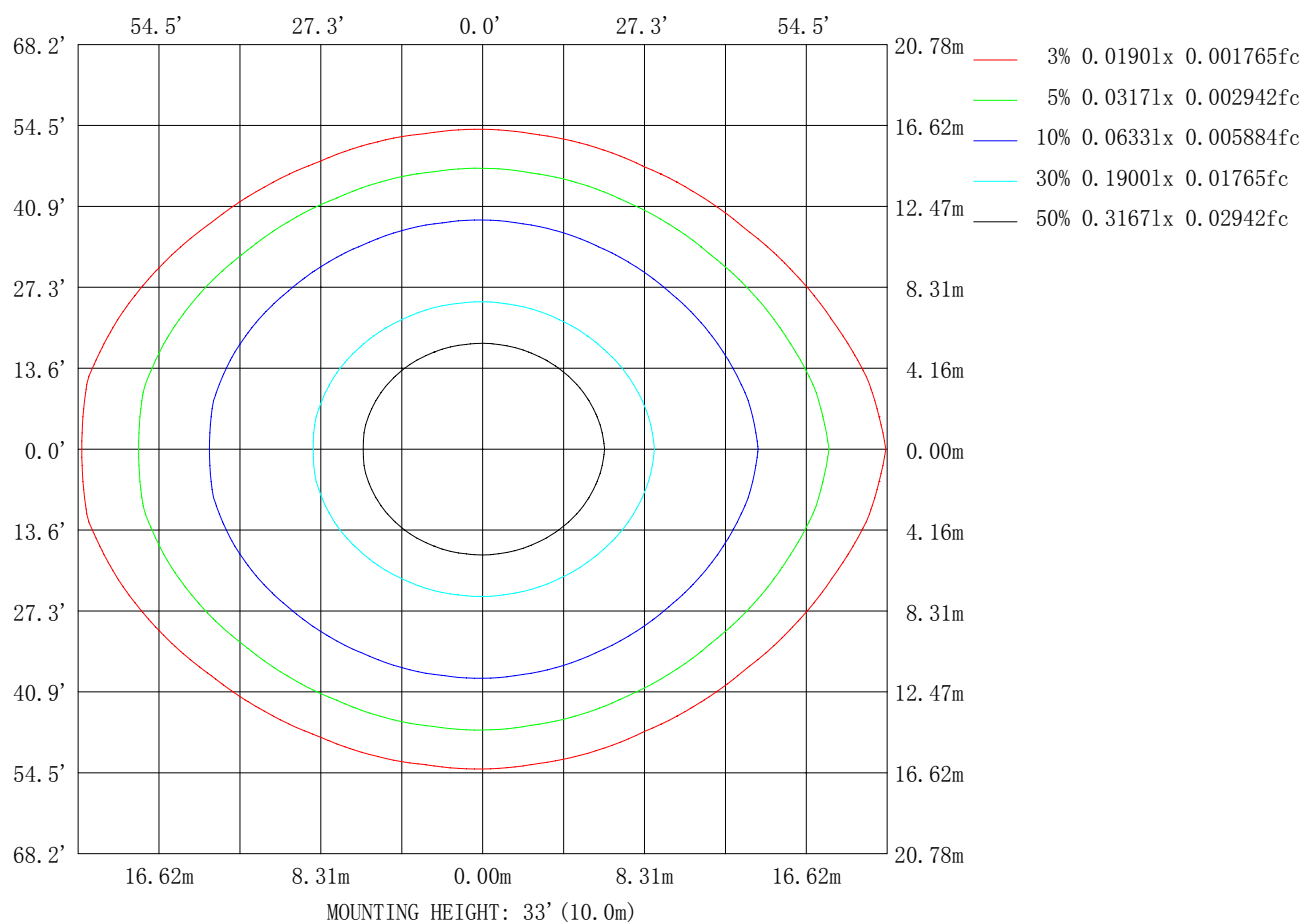
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

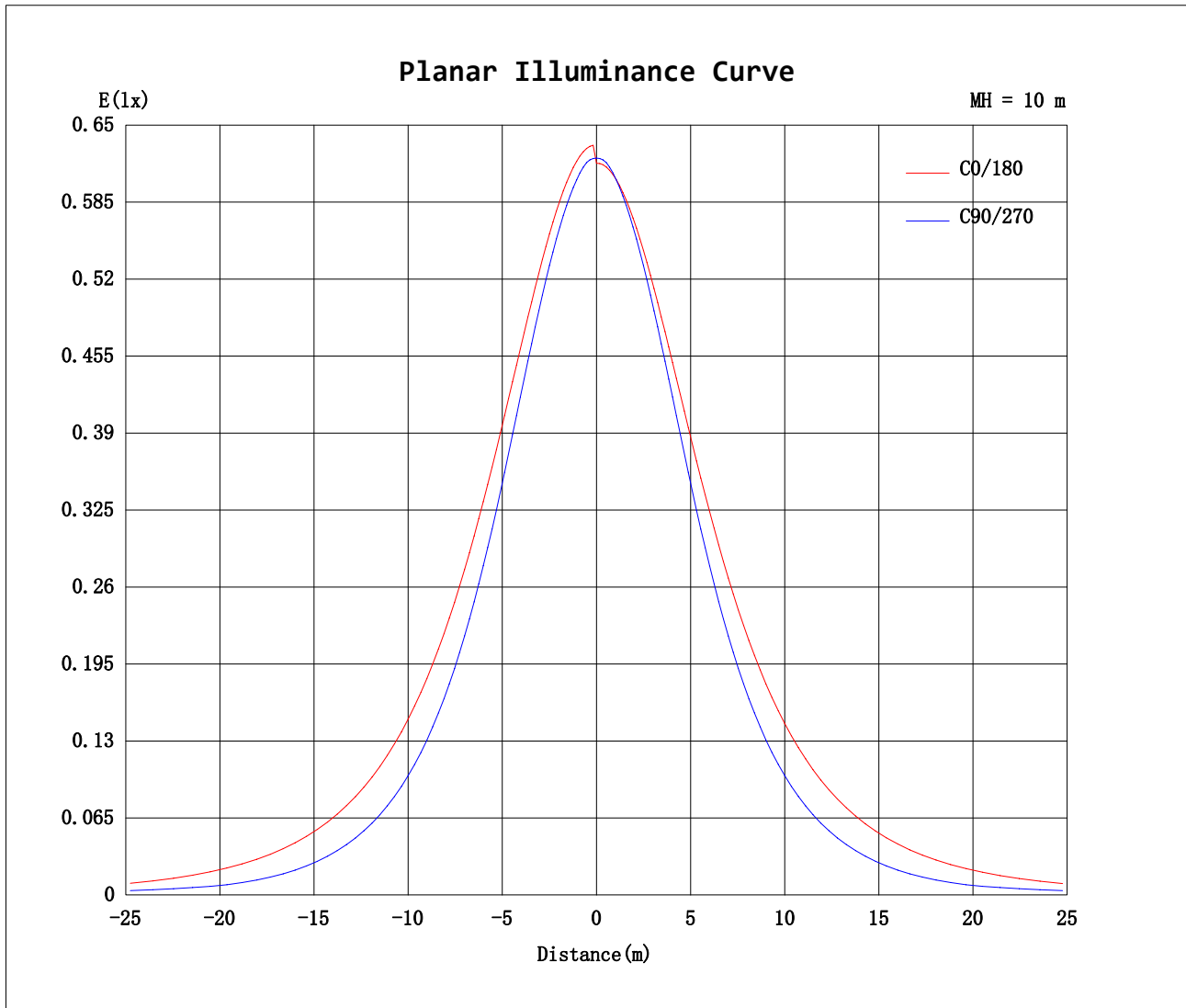
AvgL	cd/m2
L_0~180(65)av	1043
L_0~180(75)av	876
L_0~180(85)av	457
L_90~270(65)av	399
L_90~270(75)av	388
L_90~270(85)av	0
L_45(65)av	502
L_45(75)av	274
L_45(85)av	61

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm		
NAME: 硬灯条	TYPE:RR18-SUPER-11-30	WEIGHT:
SPEC.:RR18-SUPER-11-30	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	63.3	63.0	63.0	62.8	62.8	62.6	62.6	62.4	62.4	62.2	62.2	62.1	62.1	62.0	62.0	61.9	61.9	61.8	61.8	
5	63.1	62.8	62.8	62.5	62.5	62.1	62.1	61.8	61.9	61.7	61.7	61.6	61.7	61.6	61.8	61.6	61.7	61.5	61.5	
10	62.2	61.9	61.8	61.3	61.1	60.7	60.5	60.3	60.2	60.1	60.1	60.1	60.2	60.3	60.5	60.6	60.8	60.7	60.7	
15	60.8	60.4	60.0	59.5	59.1	58.6	58.2	57.9	57.7	57.6	57.7	57.8	58.1	58.3	58.7	58.9	59.3	59.3	59.3	
20	58.8	58.3	57.7	57.0	56.3	55.7	55.1	54.7	54.4	54.3	54.4	54.7	55.1	55.7	56.2	56.7	57.1	57.5	57.3	
25	56.3	55.7	54.9	53.9	53.0	52.0	51.1	50.6	50.1	50.1	50.2	50.8	51.5	52.3	53.1	53.9	54.6	55.1	54.9	
30	53.4	52.6	51.5	50.3	48.9	47.6	46.4	45.7	45.2	45.2	45.3	46.1	47.0	48.3	49.4	50.6	51.5	52.2	52.0	
35	50.0	49.0	47.7	46.1	44.2	42.6	41.2	40.4	39.8	39.8	40.0	40.9	42.0	43.6	45.1	46.8	48.0	48.9	48.7	
40	46.2	45.1	43.3	41.3	39.0	37.2	35.6	34.8	34.1	34.2	34.4	35.4	36.6	38.4	40.3	42.5	44.0	45.2	45.0	
45	42.0	40.7	38.5	36.0	33.5	31.6	29.9	29.1	28.4	28.5	28.7	29.7	30.9	33.0	35.1	37.7	39.7	41.1	41.0	
50	37.5	36.0	33.3	30.5	27.7	25.8	24.2	23.4	22.8	22.9	23.1	24.1	25.3	27.3	29.6	32.5	34.9	36.7	36.6	
55	32.7	30.9	27.7	24.7	21.9	20.1	18.6	17.8	17.3	17.4	17.6	18.5	19.6	21.6	23.9	27.0	29.9	32.0	31.9	
60	27.6	25.5	22.0	18.9	16.2	14.5	13.1	12.5	12.0	12.1	12.2	13.1	14.0	15.9	18.1	21.3	24.5	27.0	27.0	
65	22.3	19.9	16.2	13.2	10.7	9.13	8.19	8.20	8.41	8.42	8.27	8.23	8.83	10.5	12.6	15.6	18.9	21.8	21.8	
70	16.8	14.2	10.6	7.85	5.77	5.69	5.77	5.83	6.11	6.07	5.89	5.86	5.76	5.71	7.30	10.1	13.3	16.5	16.5	
75	11.4	8.63	5.45	3.64	3.45	3.94	4.52	4.81	4.97	5.02	4.88	4.60	4.13	3.49	3.68	5.13	7.90	11.2	11.2	
80	6.29	3.78	2.14	2.16	2.25	2.16	2.05	2.05	2.09	2.15	2.08	2.14	2.22	2.31	2.31	2.09	3.26	6.05	6.26	
85	1.96	0.83	0.71	0.42	0.26	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.27	0.47	0.72	0.96	1.81	2.02	
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	0.02	0.00	
105	0.00	0.07	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	0.07	0.00	
110	0.09	0.13	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.07	0.14	0.09	
115	0.17	0.20	0.10	0.12	0.00	0.06	0.00	0.04	0.00	0.05	0.00	0.04	0.00	0.08	0.06	0.18	0.11	0.22	0.14	
120	0.22	0.28	0.16	0.19	0.08	0.13	0.03	0.10	0.01	0.10	0.01	0.10	0.04	0.16	0.12	0.24	0.22	0.28	0.21	
125	0.32	0.34	0.22	0.26	0.13	0.20	0.09	0.16	0.08	0.16	0.08	0.17	0.11	0.25	0.20	0.30	0.24	0.34	0.28	
130	0.34	0.40	0.31	0.33	0.21	0.27	0.20	0.23	0.15	0.23	0.16	0.24	0.21	0.33	0.27	0.37	0.32	0.40	0.33	
135	0.40	0.46	0.36	0.41	0.34	0.35	0.25	0.31	0.22	0.30	0.22	0.32	0.33	0.40	0.33	0.43	0.35	0.44	0.38	
140	0.44	0.53	0.44	0.48	0.37	0.43	0.34	0.39	0.32	0.37	0.34	0.40	0.38	0.47	0.39	0.49	0.42	0.49	0.44	
145	0.48	0.57	0.48	0.54	0.45	0.50	0.38	0.46	0.42	0.45	0.37	0.50	0.45	0.54	0.44	0.52	0.45	0.53	0.46	
150	0.57	0.63	0.56	0.60	0.50	0.54	0.45	0.52	0.44	0.51	0.46	0.57	0.53	0.58	0.48	0.56	0.47	0.57	0.52	
155	0.57	0.67	0.59	0.66	0.56	0.62	0.52	0.58	0.48	0.58	0.55	0.65	0.57	0.63	0.57	0.60	0.51	0.60	0.57	
160	0.61	0.71	0.63	0.70	0.60	0.67	0.57	0.63	0.60	0.65	0.60	0.72	0.61	0.66	0.57	0.64	0.57	0.65	0.60	
165	0.69	0.75	0.69	0.75	0.66	0.72	0.63	0.70	0.63	0.70	0.69	0.76	0.68	0.69	0.60	0.68	0.59	0.69	0.65	
170	0.72	0.82	0.73	0.81	0.72	0.80	0.69	0.78	0.69	0.76	0.73	0.81	0.69	0.73	0.68	0.74	0.69	0.77	0.69	
175	0.82	0.87	0.81	0.85	0.83	0.84	0.78	0.84	0.78	0.86	0.81	0.86	0.78	0.81	0.72	0.81	0.74	0.83	0.77	
180	0.90	0.91	0.84	0.85	0.84	0.87	0.83	0.84	0.85	0.91	0.89	0.90	0.83	0.83	0.81	0.83	0.81	0.83	0.81	

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:0.2409A P:5.7811W PF:1.0000 Freq:50.04Hz Lamp Flux:142.2x1 lm																	
NAME: 硬灯条									TYPE:RR18-SUPER-11-30						WEIGHT:		
SPEC.:RR18-SUPER-11-30									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	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.2	62.2	62.4	62.4	62.6	62.6	62.8	62.8	63.0	63.0		
5	61.5	61.7	61.6	61.8	61.6	61.7	61.6	61.7	61.7	61.9	61.8	62.1	62.1	62.5	62.5	62.8	62.8		
10	60.7	60.8	60.6	60.5	60.3	60.2	60.1	60.1	60.1	60.2	60.3	60.5	60.7	61.1	61.3	61.8	61.9		
15	59.3	59.3	58.9	58.7	58.3	58.1	57.8	57.7	57.6	57.7	57.9	58.2	58.6	59.1	59.5	60.0	60.4		
20	57.5	57.1	56.7	56.2	55.7	55.1	54.7	54.4	54.3	54.4	54.7	55.1	55.7	56.3	57.0	57.7	58.3		
25	55.1	54.6	53.9	53.1	52.3	51.5	50.8	50.2	50.1	50.1	50.6	51.1	52.0	53.0	53.9	54.9	55.7		
30	52.2	51.5	50.6	49.4	48.3	47.0	46.1	45.3	45.2	45.2	45.7	46.4	47.6	48.9	50.3	51.5	52.6		
35	48.9	48.0	46.8	45.1	43.6	42.0	40.9	40.0	39.8	39.8	40.4	41.2	42.6	44.2	46.1	47.7	49.0		
40	45.2	44.0	42.5	40.3	38.4	36.6	35.4	34.4	34.2	34.1	34.8	35.6	37.2	39.0	41.3	43.3	45.1		
45	41.1	39.7	37.7	35.1	33.0	30.9	29.7	28.7	28.5	28.4	29.1	29.9	31.6	33.5	36.0	38.5	40.7		
50	36.7	34.9	32.5	29.6	27.3	25.3	24.1	23.1	22.9	22.8	23.4	24.2	25.8	27.7	30.5	33.3	36.0		
55	32.0	29.9	27.0	23.9	21.6	19.6	18.5	17.6	17.4	17.3	17.8	18.6	20.1	21.9	24.7	27.7	30.9		
60	27.0	24.5	21.3	18.1	15.9	14.0	13.1	12.2	12.1	12.0	12.5	13.1	14.5	16.2	18.9	22.0	25.5		
65	21.8	18.9	15.6	12.6	10.5	8.83	8.23	8.27	8.42	8.41	8.20	8.19	9.13	10.7	13.2	16.2	19.9		
70	16.5	13.3	10.1	7.30	5.71	5.76	5.86	5.89	6.07	6.11	5.83	5.77	5.69	5.77	7.85	10.6	14.2		
75	11.2	7.90	5.13	3.68	3.49	4.13	4.60	4.88	5.02	4.97	4.81	4.52	3.94	3.45	3.64	5.45	8.63		
80	6.05	3.26	2.09	2.31	2.31	2.22	2.14	2.08	2.15	2.09	2.05	2.05	2.16	2.25	2.16	2.14	3.78		
85	1.81	0.96	0.72	0.47	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.26	0.42	0.71	0.83		
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	0.02	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	0.00		
105	0.07	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	0.07		
110	0.14	0.07	0.09	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.13		
115	0.22	0.11	0.18	0.06	0.08	0.00	0.04	0.00	0.05	0.00	0.04	0.00	0.06	0.00	0.12	0.10	0.20		
120	0.28	0.22	0.24	0.12	0.16	0.04	0.10	0.01	0.10	0.01	0.10	0.03	0.13	0.08	0.19	0.16	0.28		
125	0.34	0.24	0.30	0.20	0.25	0.11	0.17	0.08	0.16	0.08	0.16	0.09	0.20	0.13	0.26	0.22	0.34		
130	0.40	0.32	0.37	0.27	0.33	0.21	0.24	0.16	0.23	0.15	0.23	0.20	0.27	0.21	0.33	0.31	0.40		
135	0.44	0.35	0.43	0.33	0.40	0.33	0.32	0.22	0.30	0.22	0.31	0.25	0.35	0.34	0.41	0.36	0.46		
140	0.49	0.42	0.49	0.39	0.47	0.38	0.40	0.34	0.37	0.32	0.39	0.34	0.43	0.37	0.48	0.44	0.53		
145	0.53	0.45	0.52	0.44	0.54	0.45	0.50	0.37	0.45	0.42	0.46	0.38	0.50	0.45	0.54	0.48	0.57		
150	0.57	0.47	0.56	0.48	0.58	0.53	0.57	0.46	0.51	0.44	0.52	0.45	0.54	0.50	0.60	0.56	0.63		
155	0.60	0.51	0.60	0.57	0.63	0.57	0.65	0.55	0.58	0.48	0.58	0.52	0.62	0.56	0.66	0.59	0.67		
160	0.65	0.57	0.64	0.57	0.66	0.61	0.72	0.60	0.65	0.60	0.63	0.57	0.67	0.60	0.70	0.63	0.71		
165	0.69	0.59	0.68	0.60	0.69	0.68	0.76	0.69	0.70	0.63	0.70	0.63	0.72	0.66	0.75	0.69	0.75		
170	0.77	0.69	0.74	0.68	0.73	0.69	0.81	0.73	0.76	0.69	0.78	0.69	0.80	0.72	0.81	0.73	0.82		
175	0.83	0.74	0.81	0.72	0.81	0.78	0.86	0.81	0.86	0.78	0.84	0.78	0.84	0.83	0.85	0.81	0.87		
180	0.83	0.81	0.83	0.81	0.83	0.83	0.90	0.89	0.91	0.85	0.84	0.83	0.87	0.84	0.85	0.84	0.91		

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: