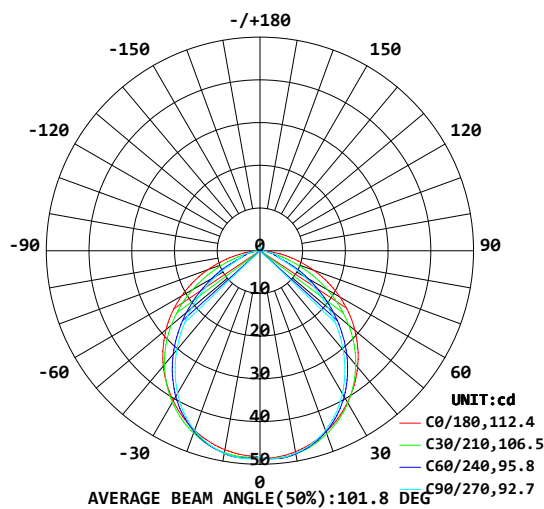


LUMINAIRE PHOTOMETRIC TEST REPORT

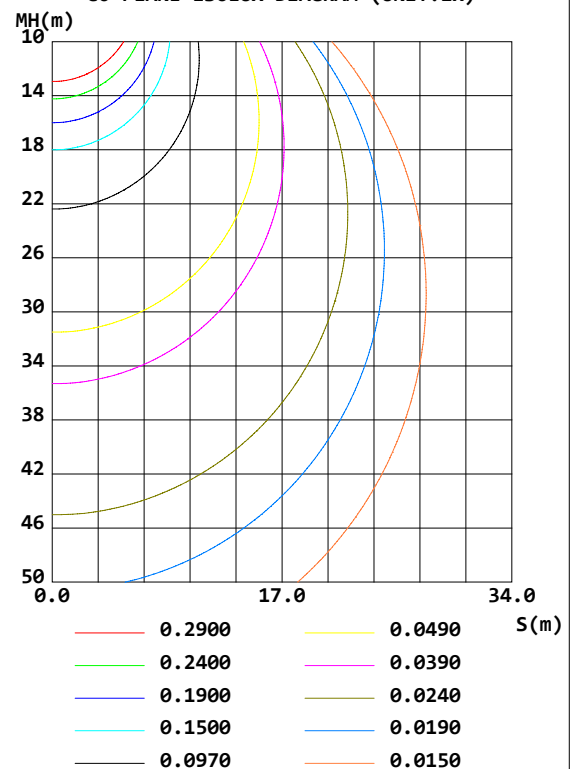
Test:U:23.998V I:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 43.74 lm/W
MODEL	RR20-SUPER-05-40	I _{max} (cd)	48.81	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	2.76	LOR(%)	100.0	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	119.87	h UP,DN(C0-180)	0.3,49.7	
NOMINAL FLUX(lm)	119.868	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.3,49.6	
LAMPS INSIDE	1	h up(%)	0.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	h down(%)	99.3	CIBSE SHR MAX	1.35	

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	47.77	48.33	48.11	48.15	47.30	48.15	48.11	48.33	0- 10	4.623	4.623	3.86, 3.86
20	45.14	45.41	44.74	45.28	44.72	45.28	44.74	45.41	10- 20	13.24	17.86	14.9, 14.9
30	40.98	40.33	38.58	40.27	40.63	40.27	38.58	40.33	20- 30	19.76	37.62	31.4, 31.4
40	35.55	33.20	30.31	33.20	35.22	33.20	30.31	33.20	30- 40	23.01	60.63	50.6, 50.6
50	29.03	24.59	20.89	24.64	28.72	24.64	20.89	24.59	40- 50	22.45	83.08	69.3, 69.3
60	21.55	15.17	11.91	15.24	21.22	15.24	11.91	15.17	50- 60	18.29	101.4	84.6, 84.6
70	13.42	6.082	4.973	6.149	12.98	6.149	4.973	6.082	60- 70	11.52	112.9	94.2, 94.2
80	5.455	2.141	2.197	2.081	5.029	2.081	2.197	2.141	70- 80	5.228	118.1	98.5, 98.5
90	0.0319	0.0075	0	0	0.0001	0	0	0.0075	80- 90	0.9433	119.1	99.3, 99.3
100	0	0	0	0	0	0	0	0	90-100	0.0092	119.1	99.3, 99.3
110	0.0222	0	0	0	0.0001	0	0	0	100-110	0.0110	119.1	99.3, 99.3
120	0.1340	0.0224	0	0.0150	0.1118	0.0150	0	0.0224	110-120	0.0299	119.1	99.4, 99.4
130	0.2088	0.1157	0.0897	0.1195	0.1939	0.1195	0.0897	0.1157	120-130	0.0775	119.2	99.4, 99.4
140	0.3503	0.2424	0.2015	0.2351	0.2982	0.2351	0.2015	0.2424	130-140	0.1428	119.3	99.5, 99.5
150	0.3730	0.3545	0.2987	0.3469	0.3582	0.3469	0.2987	0.3545	140-150	0.1819	119.5	99.7, 99.7
160	0.4402	0.4588	0.4255	0.4103	0.4028	0.4103	0.4255	0.4588	150-160	0.1785	119.7	99.8, 99.8
170	0.5591	0.5521	0.5523	0.4925	0.4625	0.4925	0.5523	0.5521	160-170	0.1329	119.8	100, 100
180	0.6939	0.6417	0.6790	0.5820	0.5820	0.5820	0.6790	0.6417	170-180	0.0536	119.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 72.163 lm

%lum = 60.2%

%lamp = 60.2%

Conical surface Flux(120deg): 101.36 lm

%lum = 84.6%

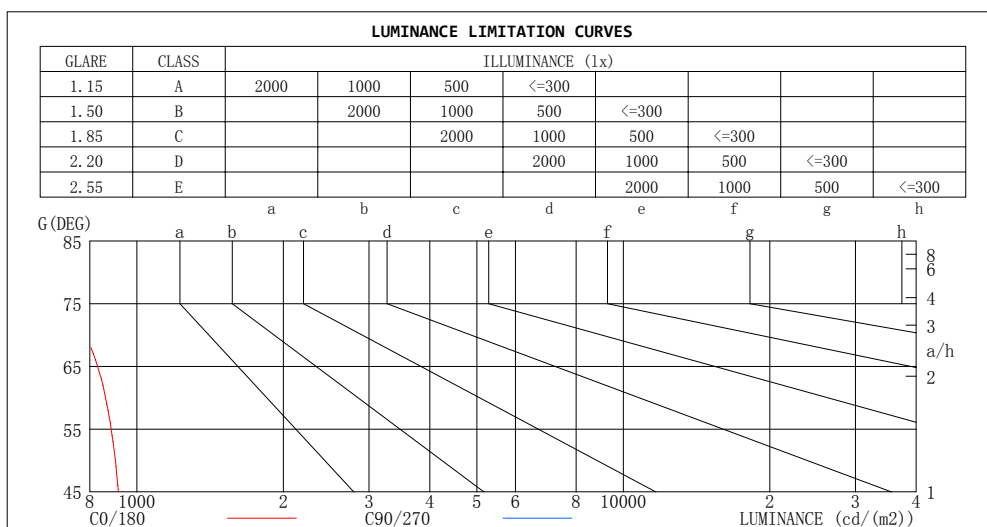
%lamp = 84.6%

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	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	493	22
80	628	253
75	719	328
70	785	291
65	830	343
60	862	476
55	885	566
50	903	650
45	917	726

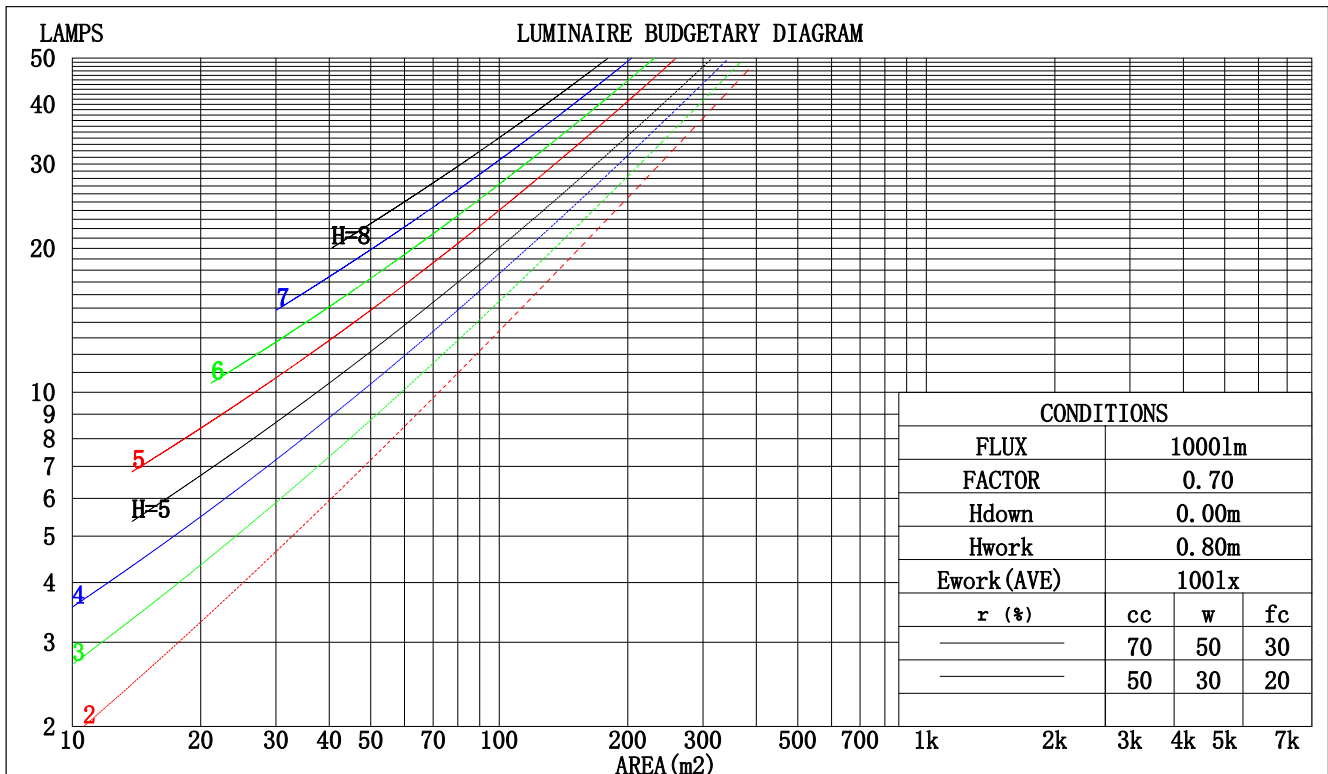
C Range: 0 - 180DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-04-06

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	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	1.05	1.02	.98	1.03	.90	.97	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.87	.82	.91	.85	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.72	.68	.64	.62
4.0	.74	.65	.59	.72	.64	.58	.70	.63	.58	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.63	.56	.50	.61	.55	.50	.59	.53	.49	.47
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.44	.55	.49	.44	.54	.48	.43	.41
7.0	.54	.46	.40	.53	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.50	.41	.36	.49	.41	.36	.48	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.46	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.30
10.0	.42	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27



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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm								
NAME: 硬灯条				TYPE:RR20-SUPER-05-40			WEIGHT:	
SPEC.:RR20-SUPER-05-40				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	.276	.157	.050	.269	.153	.049	.255	.146	.047	.243	.140	.045	.231	.134	.043	
2.0	.265	.145	.045	.259	.143	.044	.247	.137	.043	.236	.133	.042	.226	.128	.040	
3.0	.249	.133	.040	.244	.131	.039	.233	.126	.038	.224	.123	.038	.215	.119	.037	
4.0	.233	.121	.036	.228	.119	.035	.219	.116	.035	.210	.113	.034	.202	.110	.033	
5.0	.217	.111	.032	.213	.109	.032	.205	.106	.031	.197	.104	.031	.190	.101	.030	
6.0	.203	.102	.029	.199	.100	.029	.192	.098	.029	.185	.096	.028	.178	.094	.028	
7.0	.190	.094	.027	.186	.093	.026	.180	.091	.026	.174	.089	.026	.168	.087	.026	
8.0	.178	.087	.024	.175	.086	.024	.169	.084	.024	.164	.083	.024	.158	.081	.024	
9.0	.168	.081	.023	.165	.080	.023	.160	.079	.022	.155	.077	.022	.150	.076	.022	
10.0	.158	.076	.021	.156	.075	.021	.151	.074	.021	.146	.073	.021	.142	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.183	.162	.142	.157	.139	.122	.107	.095	.085	.062	.055	.049	.020	.018	.016	
2.0	.174	.137	.106	.149	.118	.092	.102	.082	.064	.059	.048	.038	.019	.015	.012	
3.0	.166	.119	.083	.142	.103	.072	.098	.072	.050	.056	.042	.030	.018	.014	.010	
4.0	.158	.106	.066	.136	.092	.057	.093	.064	.040	.054	.037	.024	.017	.012	.008	
5.0	.151	.095	.054	.130	.083	.047	.089	.058	.033	.052	.034	.020	.017	.011	.007	
6.0	.144	.087	.046	.124	.075	.040	.085	.053	.028	.050	.031	.017	.016	.010	.006	
7.0	.137	.080	.040	.118	.069	.035	.082	.049	.025	.047	.029	.015	.015	.009	.005	
8.0	.131	.074	.035	.113	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	
9.0	.125	.069	.031	.108	.060	.027	.075	.042	.019	.044	.025	.012	.014	.008	.004	
10.0	.120	.065	.028	.103	.056	.025	.072	.040	.018	.042	.023	.011	.014	.008	.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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm											
NAME: 硬灯条						TYPE:RR20-SUPER-05-40			WEIGHT:		
SPEC.:RR20-SUPER-05-40						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		12.6	14.1	12.9	14.3	14.5	10.2	11.6	10.5	11.8	12.1
	3H	14.2	15.5	14.5	15.7	16.0	10.7	12.0	11.0	12.2	12.5
	4H	14.8	16.0	15.1	16.3	16.5	11.0	12.2	11.3	12.5	12.7
	6H	15.2	16.3	15.5	16.6	16.9	11.2	12.4	11.5	12.6	12.9
	8H	15.3	16.4	15.6	16.7	17.0	11.2	12.3	11.5	12.6	12.9
	12H	15.3	16.4	15.7	16.7	17.0	11.2	12.2	11.5	12.5	12.9
4H	2H	12.8	14.1	13.1	14.3	14.6	10.8	12.0	11.1	12.3	12.6
	3H	14.4	15.5	14.8	15.8	16.1	11.3	12.4	11.7	12.7	13.0
	4H	15.1	16.1	15.5	16.4	16.8	11.7	12.7	12.1	13.0	13.3
	6H	15.6	16.5	16.0	16.8	17.2	12.0	12.9	12.4	13.2	13.6
	8H	15.7	16.6	16.2	16.9	17.3	12.0	12.8	12.5	13.2	13.6
	12H	15.8	16.6	16.3	17.0	17.4	12.0	12.7	12.4	13.1	13.6
8H	4H	15.0	15.8	15.5	16.2	16.6	11.8	12.6	12.2	13.0	13.4
	6H	15.6	16.2	16.0	16.6	17.1	12.2	12.9	12.7	13.3	13.8
	8H	15.7	16.3	16.2	16.8	17.2	12.3	12.9	12.8	13.3	13.8
	12H	15.9	16.4	16.3	16.8	17.3	12.3	12.8	12.8	13.2	13.7
12H	4H	15.0	15.7	15.4	16.1	16.6	11.8	12.5	12.2	12.9	13.3
	6H	15.5	16.1	16.0	16.6	17.0	12.2	12.8	12.7	13.3	13.7
	8H	15.7	16.2	16.2	16.7	17.2	12.3	12.8	12.8	13.3	13.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H		+ 0.5 / - 0.7					+ 0.5 / - 0.8				

CIE Pub.117, 119.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -7.4)

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

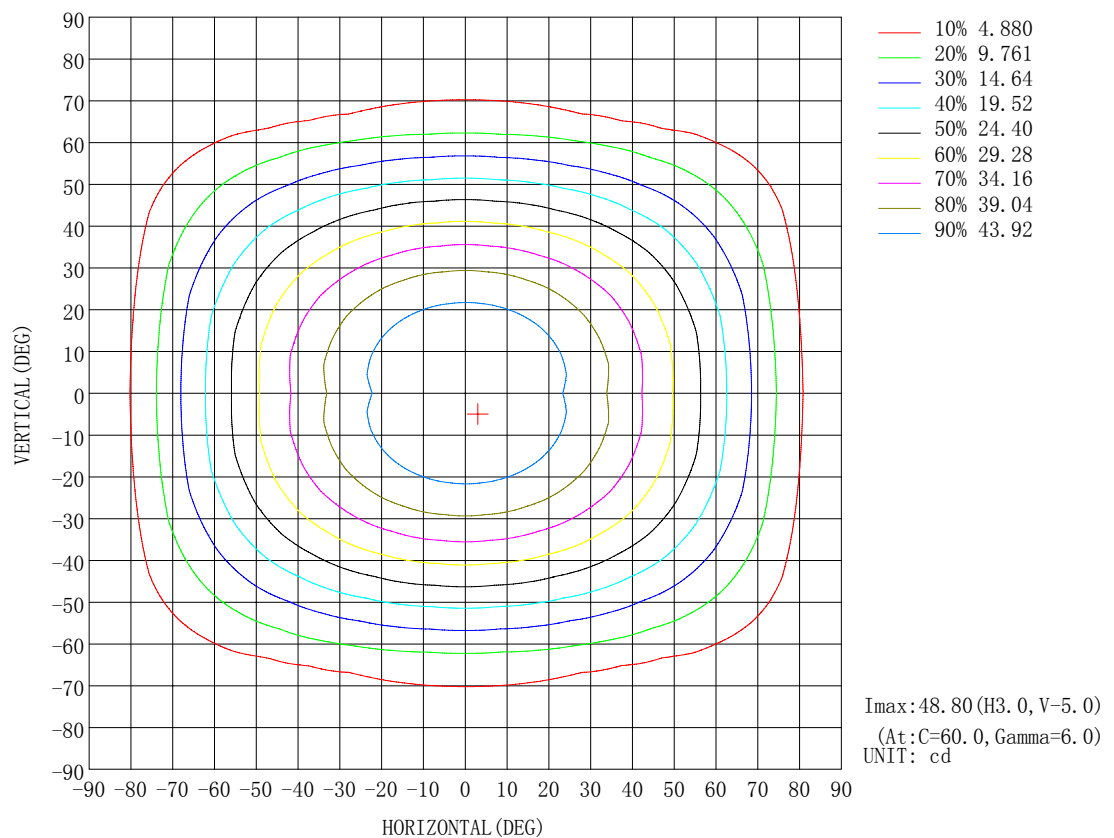
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	61	50	43	60	49	43	59	49	43	37
0.80	71	60	53	70	60	53	68	59	53	46
1.00	79	69	62	78	69	62	76	70	61	55
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	89	81	75	86	79	74	67
2.00	97	90	84	96	89	83	92	86	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

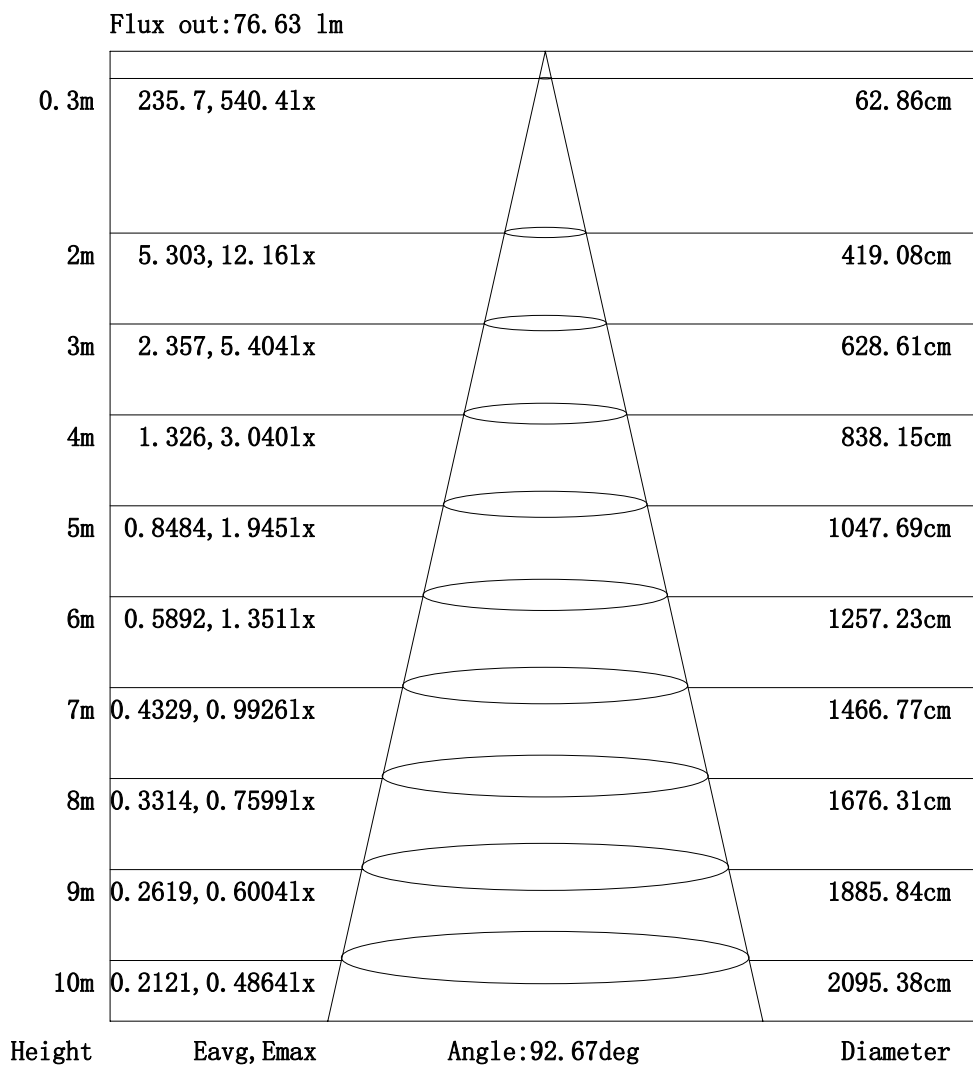


C Range: 0 - 180DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-04-06

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:



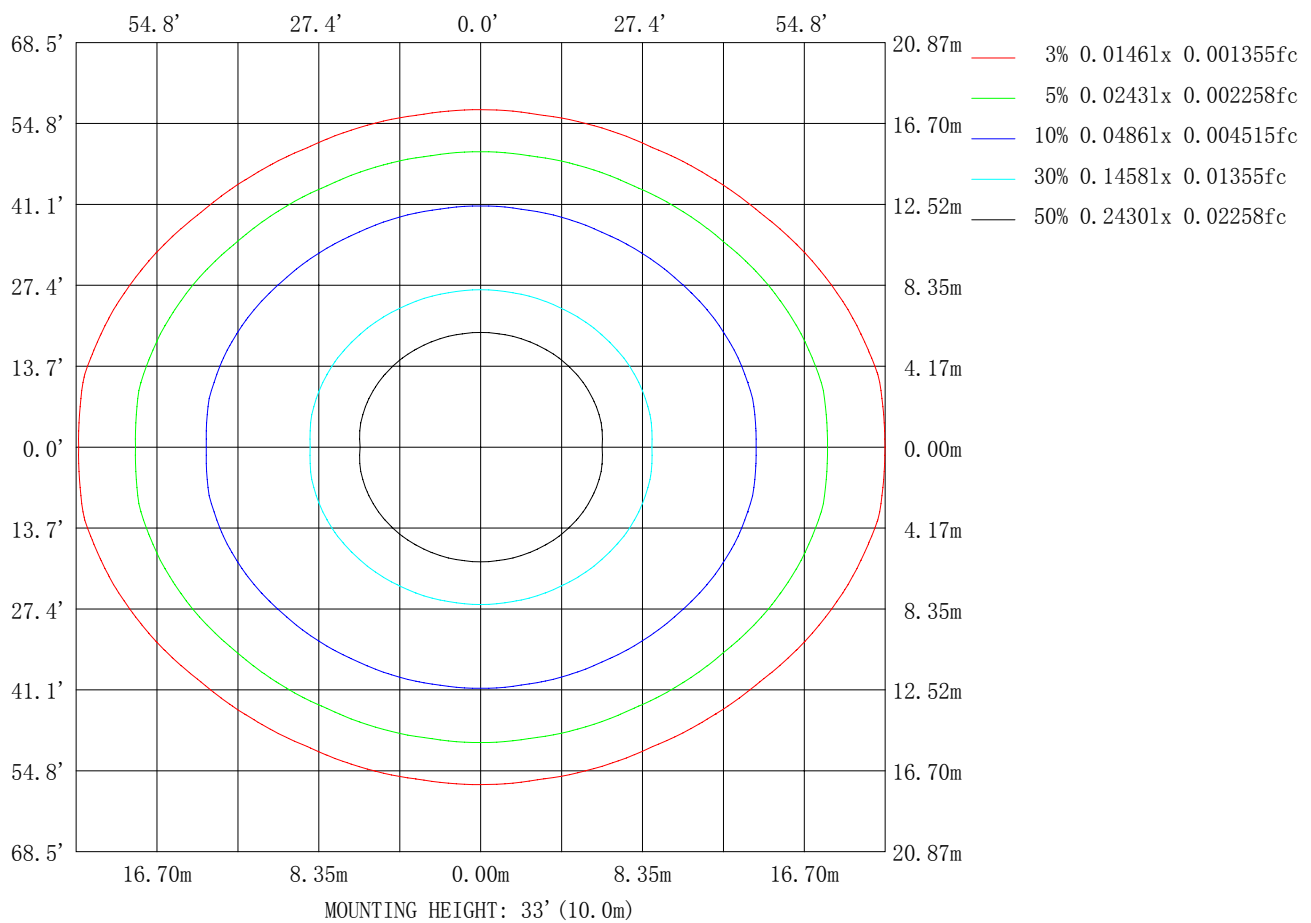
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	DIM.: 0.1X0.5	SERIAL No.:
MFR.: 乐的美光电	SUR.:0.1X0.5	Shielding Angle:

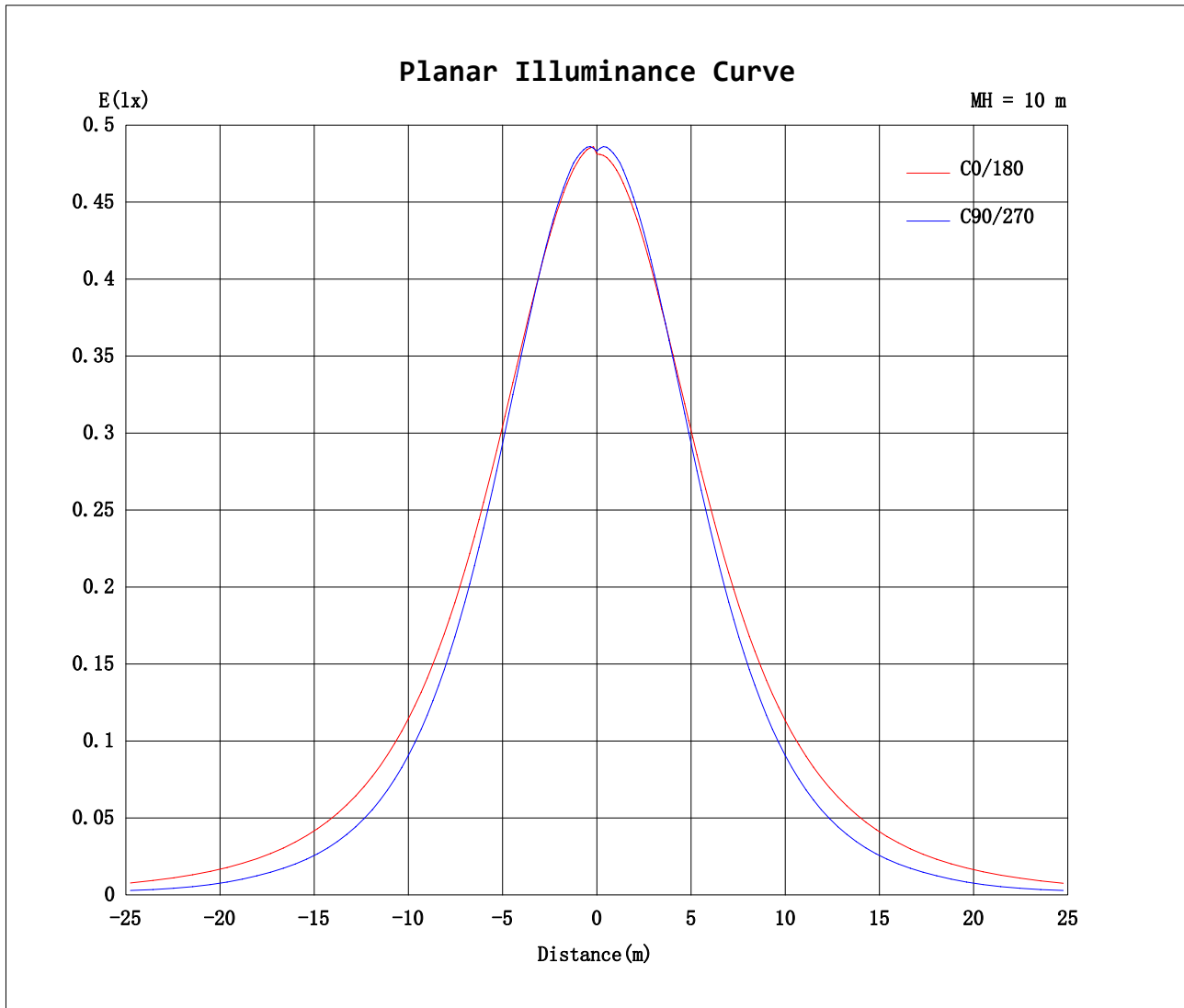
AvgL	cd/m2
L_0~180(65)av	821
L_0~180(75)av	702
L_0~180(85)av	455
L_90~270(65)av	343
L_90~270(75)av	328
L_90~270(85)av	22
L_45(65)av	500
L_45(75)av	220
L_45(85)av	110

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm		
NAME: 硬灯条	TYPE:RR20-SUPER-05-40	WEIGHT:
SPEC.:RR20-SUPER-05-40	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	48.6	48.6	48.6	48.5	48.5	48.5	48.4	48.4	48.4	48.3	48.3	48.3	48.3	48.2	48.2	48.2	48.2	48.1	48.1
5	48.4	48.5	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.7	48.7	48.7	48.7	48.6	48.5	48.4	48.3	48.1	48.0
10	47.8	48.0	48.3	48.2	48.4	48.3	48.3	48.2	48.2	48.1	48.2	48.1	48.2	48.1	48.2	48.0	47.9	47.6	47.3
15	46.7	47.0	47.2	47.2	47.2	47.1	47.0	46.9	46.9	46.8	46.8	46.8	46.9	46.9	47.0	47.0	47.0	46.7	46.2
20	45.1	45.6	45.8	45.6	45.5	45.3	45.1	44.9	44.8	44.7	44.8	44.9	45.0	45.2	45.4	45.4	45.5	45.3	44.7
25	43.2	43.8	43.8	43.6	43.3	43.0	42.6	42.3	42.1	42.0	42.1	42.3	42.5	42.9	43.2	43.4	43.6	43.5	42.9
30	41.0	41.5	41.4	41.1	40.6	40.1	39.4	39.0	38.6	38.6	38.6	39.0	39.4	40.0	40.5	41.0	41.2	41.3	40.6
35	38.4	39.0	38.7	38.2	37.4	36.6	35.7	35.2	34.7	34.6	34.7	35.2	35.7	36.6	37.3	38.1	38.5	38.8	38.1
40	35.5	36.0	35.6	34.9	33.7	32.7	31.6	30.9	30.3	30.3	30.4	31.0	31.6	32.7	33.7	34.8	35.5	35.8	35.2
45	32.4	32.8	32.2	31.2	29.7	28.4	27.1	26.4	25.7	25.7	25.7	26.4	27.2	28.5	29.7	31.2	32.1	32.6	32.1
50	29.0	29.3	28.5	27.1	25.3	23.8	22.4	21.6	20.9	20.9	21.0	21.6	22.5	23.9	25.4	27.1	28.4	29.2	28.7
55	25.4	25.6	24.5	22.8	20.7	19.1	17.6	16.9	16.3	16.2	16.3	16.9	17.7	19.2	20.8	22.8	24.4	25.5	25.1
60	21.5	21.7	20.2	18.2	16.0	14.4	13.0	12.4	11.9	11.9	11.9	12.5	13.1	14.5	16.0	18.2	20.1	21.5	21.2
65	17.5	17.5	15.7	13.5	11.3	9.87	8.54	7.78	7.26	7.25	7.29	7.83	8.62	9.95	11.4	13.6	15.6	17.3	17.2
70	13.4	13.2	11.1	8.93	6.90	5.26	4.73	4.87	4.95	4.97	4.94	4.86	4.71	5.33	6.97	8.92	11.0	13.0	13.0
75	9.30	8.87	6.67	4.64	3.06	2.95	3.48	3.86	4.20	4.24	4.19	3.83	3.44	2.94	2.97	4.61	6.55	8.63	8.87
80	5.45	4.75	2.69	1.80	2.11	2.17	2.19	2.17	2.15	2.20	2.17	2.21	2.21	2.15	2.01	1.62	2.57	4.55	5.03
85	2.15	1.34	1.05	0.79	0.59	0.41	0.29	0.18	0.14	0.10	0.15	0.19	0.30	0.39	0.53	0.66	0.84	1.16	1.81
90	0.03	0.08	0.10	0.01	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
95	0.01	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
105	0.00	0.11	0.04	0.03	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
110	0.02	0.10	0.03	0.04	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	0.00
115	0.08	0.13	0.04	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.11	0.09
120	0.13	0.18	0.08	0.12	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.09	0.16	0.11
125	0.19	0.23	0.12	0.16	0.05	0.07	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.08	0.06	0.16	0.10	0.20	0.16
130	0.21	0.28	0.20	0.20	0.08	0.15	0.04	0.10	0.01	0.09	0.01	0.10	0.04	0.15	0.09	0.21	0.15	0.25	0.19
135	0.25	0.33	0.22	0.28	0.16	0.21	0.09	0.16	0.08	0.14	0.09	0.16	0.10	0.22	0.16	0.25	0.20	0.30	0.23
140	0.35	0.36	0.27	0.32	0.22	0.27	0.16	0.22	0.13	0.20	0.11	0.22	0.16	0.27	0.20	0.30	0.22	0.32	0.30
145	0.34	0.41	0.33	0.37	0.28	0.33	0.21	0.28	0.21	0.26	0.21	0.28	0.23	0.33	0.24	0.34	0.27	0.36	0.34
150	0.37	0.46	0.37	0.43	0.34	0.37	0.27	0.33	0.23	0.30	0.25	0.35	0.32	0.38	0.31	0.37	0.34	0.39	0.36
155	0.40	0.49	0.42	0.46	0.37	0.43	0.33	0.39	0.35	0.37	0.33	0.42	0.35	0.43	0.33	0.40	0.34	0.41	0.37
160	0.44	0.52	0.45	0.51	0.44	0.48	0.38	0.45	0.36	0.43	0.37	0.48	0.40	0.46	0.37	0.43	0.35	0.45	0.40
165	0.46	0.55	0.47	0.54	0.45	0.53	0.44	0.51	0.43	0.49	0.44	0.51	0.44	0.49	0.40	0.48	0.40	0.48	0.44
170	0.56	0.61	0.54	0.60	0.52	0.58	0.48	0.56	0.47	0.55	0.48	0.57	0.46	0.54	0.45	0.51	0.46	0.52	0.46
175	0.59	0.66	0.57	0.65	0.56	0.63	0.58	0.61	0.56	0.62	0.57	0.63	0.55	0.58	0.48	0.56	0.49	0.59	0.54
180	0.69	0.68	0.66	0.66	0.60	0.68	0.62	0.62	0.60	0.68	0.63	0.66	0.60	0.60	0.57	0.57	0.59	0.59	0.58

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:0.1142A P:2.7406W PF:1.0000 Freq:50.04Hz Lamp Flux:119.868x1 lm																	
NAME: 硬灯条									TYPE:RR20-SUPER-05-40						WEIGHT:		
SPEC.:RR20-SUPER-05-40									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	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.6		
5	48.1	48.3	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.7	48.6	48.5		
10	47.6	47.9	48.0	48.2	48.1	48.2	48.1	48.2	48.1	48.2	48.2	48.3	48.3	48.4	48.2	48.3	48.0		
15	46.7	47.0	47.0	47.0	46.9	46.9	46.8	46.8	46.8	46.9	46.9	47.0	47.1	47.2	47.2	47.2	47.0		
20	45.3	45.5	45.4	45.4	45.2	45.0	44.9	44.8	44.7	44.8	44.9	45.1	45.3	45.5	45.6	45.8	45.6		
25	43.5	43.6	43.4	43.2	42.9	42.5	42.3	42.1	42.0	42.1	42.3	42.6	43.0	43.3	43.6	43.8	43.8		
30	41.3	41.2	41.0	40.5	40.0	39.4	39.0	38.6	38.6	38.6	39.0	39.4	40.1	40.6	41.1	41.4	41.5		
35	38.8	38.5	38.1	37.3	36.6	35.7	35.2	34.7	34.6	34.7	35.2	35.7	36.6	37.4	38.2	38.7	39.0		
40	35.8	35.5	34.8	33.7	32.7	31.6	31.0	30.4	30.3	30.3	30.9	31.6	32.7	33.7	34.9	35.6	36.0		
45	32.6	32.1	31.2	29.7	28.5	27.2	26.4	25.7	25.7	25.7	26.4	27.1	28.4	29.7	31.2	32.2	32.8		
50	29.2	28.4	27.1	25.4	23.9	22.5	21.6	21.0	20.9	20.9	21.6	22.4	23.8	25.3	27.1	28.5	29.3		
55	25.5	24.4	22.8	20.8	19.2	17.7	16.9	16.3	16.2	16.3	16.9	17.6	19.1	20.7	22.8	24.5	25.6		
60	21.5	20.1	18.2	16.0	14.5	13.1	12.5	11.9	11.9	11.9	12.4	13.0	14.4	16.0	18.2	20.2	21.7		
65	17.3	15.6	13.6	11.4	9.95	8.62	7.83	7.29	7.25	7.26	7.78	8.54	9.87	11.3	13.5	15.7	17.5		
70	13.0	11.0	8.92	6.97	5.33	4.71	4.86	4.94	4.97	4.95	4.87	4.73	5.26	6.90	8.93	11.1	13.2		
75	8.63	6.55	4.61	2.97	2.94	3.44	3.83	4.19	4.24	4.20	3.86	3.48	2.95	3.06	4.64	6.67	8.87		
80	4.55	2.57	1.62	2.01	2.15	2.21	2.21	2.17	2.20	2.15	2.17	2.19	2.17	2.11	1.80	2.69	4.75		
85	1.16	0.84	0.66	0.53	0.39	0.30	0.19	0.15	0.10	0.14	0.18	0.29	0.41	0.59	0.79	1.05	1.34		
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	0.02	0.01	0.10	0.08		
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	0.01	0.04	0.08		
100	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.09		
105	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	0.03	0.04	0.11		
110	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	0.04	0.03	0.10		
115	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.04	0.13		
120	0.16	0.09	0.10	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.12	0.08	0.18		
125	0.20	0.10	0.16	0.06	0.08	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.07	0.05	0.16	0.12	0.23		
130	0.25	0.15	0.21	0.09	0.15	0.04	0.10	0.01	0.09	0.01	0.10	0.04	0.15	0.08	0.20	0.20	0.28		
135	0.30	0.20	0.25	0.16	0.22	0.10	0.16	0.09	0.14	0.08	0.16	0.09	0.21	0.16	0.28	0.22	0.33		
140	0.32	0.22	0.30	0.20	0.27	0.16	0.22	0.11	0.20	0.13	0.22	0.16	0.27	0.22	0.32	0.27	0.36		
145	0.36	0.27	0.34	0.24	0.33	0.23	0.28	0.21	0.26	0.21	0.28	0.21	0.33	0.28	0.37	0.33	0.41		
150	0.39	0.34	0.37	0.31	0.38	0.32	0.35	0.25	0.30	0.23	0.33	0.27	0.37	0.34	0.43	0.37	0.46		
155	0.41	0.34	0.40	0.33	0.43	0.35	0.42	0.33	0.37	0.35	0.39	0.33	0.43	0.37	0.46	0.42	0.49		
160	0.45	0.35	0.43	0.37	0.46	0.40	0.48	0.37	0.43	0.36	0.45	0.38	0.48	0.44	0.51	0.45	0.52		
165	0.48	0.40	0.48	0.40	0.49	0.44	0.51	0.44	0.49	0.43	0.51	0.44	0.53	0.45	0.54	0.47	0.55		
170	0.52	0.46	0.51	0.45	0.54	0.46	0.57	0.48	0.55	0.47	0.56	0.48	0.58	0.52	0.60	0.54	0.61		
175	0.59	0.49	0.56	0.48	0.58	0.55	0.63	0.57	0.62	0.56	0.61	0.58	0.63	0.56	0.65	0.57	0.66		
180	0.59	0.59	0.57	0.57	0.60	0.60	0.66	0.63	0.68	0.60	0.62	0.62	0.68	0.60	0.66	0.66	0.68		

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: