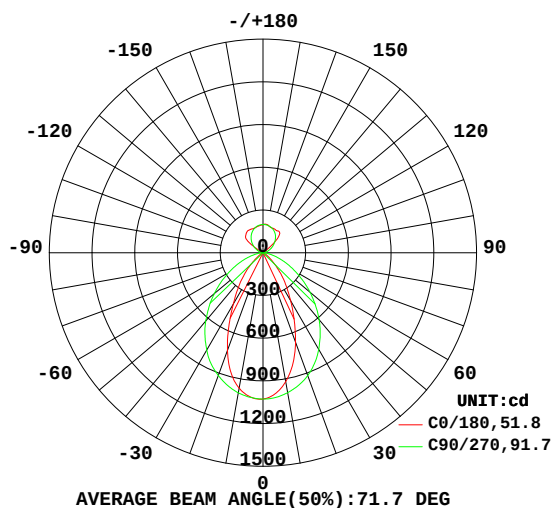


LUMINAIRE PHOTOMETRIC TEST REPORT

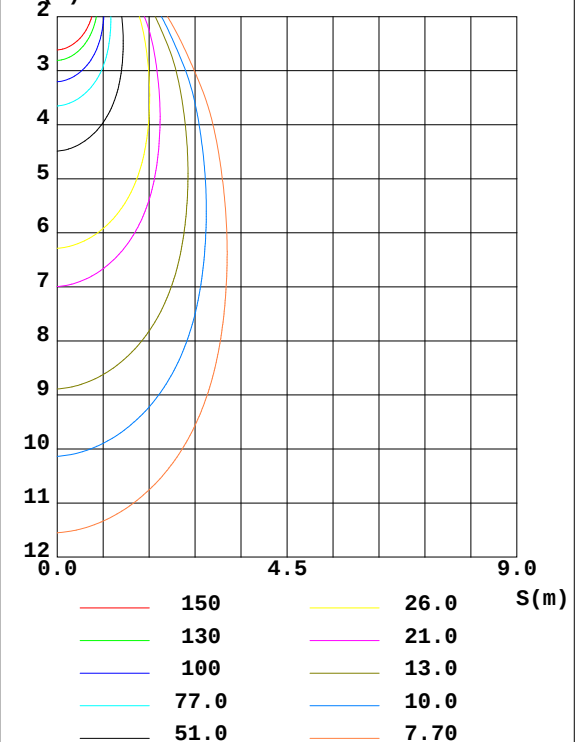
Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.72 lm/W			
MODEL	上下发光	I _{max} (cd)	1032	S/MH(C0/180)	0.78
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1941.7	η UP, DN(C0-180)	13.0, 37.5
NOMINAL FLUX(lm)	1941.67	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.7, 36.8
LAMPS INSIDE	1	η up(%)	25.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	74.3	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

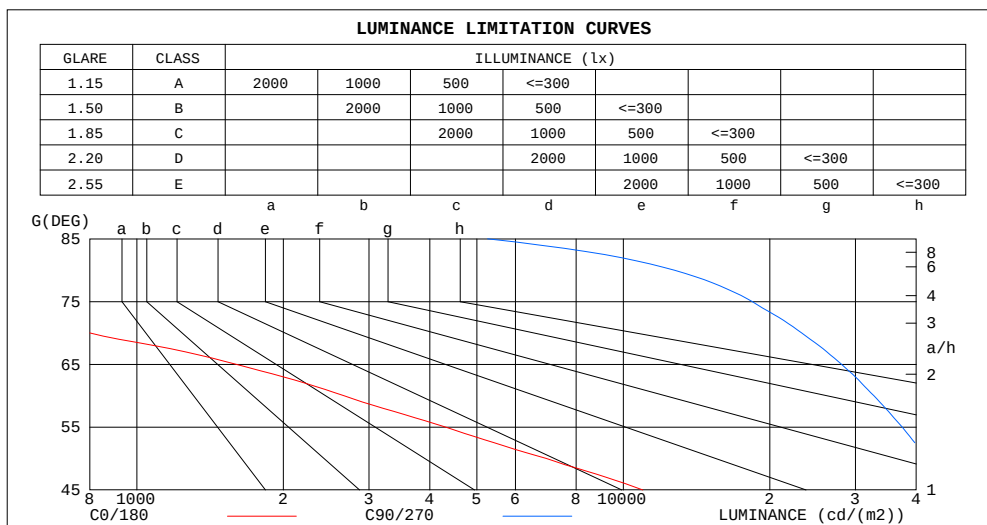
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	919.5	955.9	998.0	1002	965.7	983.1	999.4	938.4	0- 10	95.32	95.32	4.91,4.91
20	669.2	784.7	918.1	870.1	730.7	832.3	917.5	754.7	10- 20	252.4	347.7	17.9,17.9
30	388.9	546.0	783.4	633.1	419.7	584.4	790.4	515.1	20- 30	320.5	668.3	34.4,34.4
40	199.5	330.0	613.7	382.4	212.7	350.8	626.3	310.9	30- 40	297.6	965.8	49.7,49.7
50	71.39	182.5	431.9	214.6	70.80	194.5	446.3	172.0	40- 50	228.2	1194	61.5,61.5
60	21.31	72.42	261.8	87.06	19.59	77.64	278.2	70.52	50- 60	146.1	1340	69,69
70	4.378	17.39	127.3	19.80	3.562	18.76	139.9	17.97	60- 70	71.82	1412	72.7,72.7
80	1.594	2.216	35.39	2.418	1.351	2.418	43.03	2.402	70- 80	26.13	1438	74.1,74.1
90	0.7497	1.340	0.1481	1.615	0.8115	1.542	0.0822	1.400	80- 90	4.673	1443	74.3,74.3
100	1.039	1.752	13.43	3.422	2.081	3.292	11.21	1.699	90-100	2.454	1445	74.4,74.4
110	2.755	4.637	37.23	17.28	4.673	19.36	32.39	4.626	100-110	9.172	1454	74.9,74.9
120	6.402	51.81	68.93	111.0	21.52	107.1	62.32	54.04	110-120	34.90	1489	76.7,76.7
130	60.28	140.1	103.6	145.9	157.7	139.1	97.68	136.1	120-130	85.39	1575	81.1,81.1
140	183.3	154.4	136.8	162.4	182.1	154.1	130.5	151.1	130-140	110.3	1685	86.8,86.8
150	183.5	169.4	165.7	170.7	187.2	164.8	150.1	165.5	140-150	103.0	1788	92.1,92.1
160	185.8	181.2	185.0	181.9	183.9	179.7	180.9	181.6	150-160	81.41	1869	96.3,96.3
170	198.9	198.0	195.9	192.1	190.7	190.9	194.6	198.5	160-170	53.38	1923	99,99
180	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	170-180	18.81	1942	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:何俊伟
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.3263]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	722	5259
80	574	12737
75	558	18398
70	800	23259
65	1600	28094
60	2664	32729
55	4309	37424
50	6941	41994
45	10958	46071

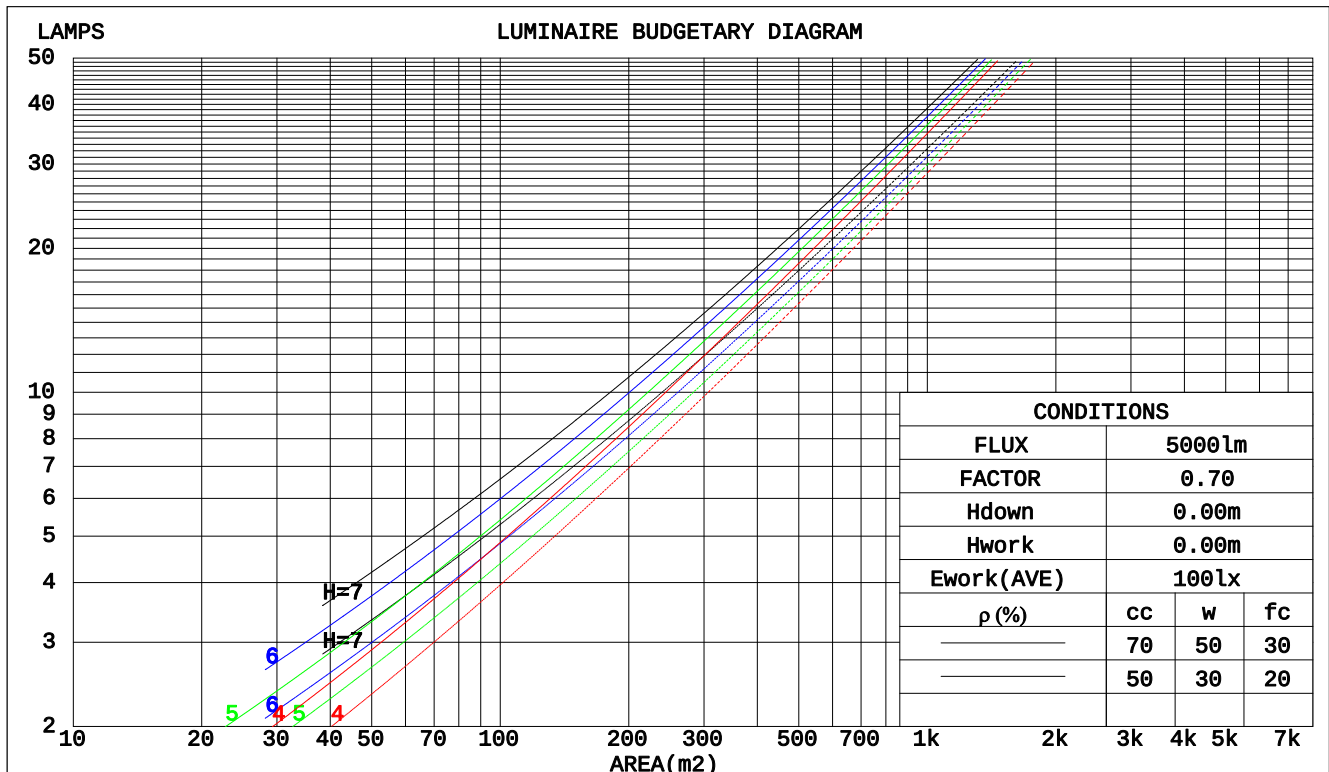
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	1.01	.98	.95	.97	.94	.91	.88	.86	.84	.80	.78	.77	.72	.71	.70	.67
2.0	.91	.86	.81	.87	.82	.78	.80	.76	.73	.73	.70	.67	.66	.64	.62	.59
3.0	.82	.75	.70	.79	.73	.68	.72	.67	.64	.66	.63	.59	.61	.58	.55	.52
4.0	.74	.67	.62	.71	.65	.60	.66	.60	.56	.60	.56	.53	.56	.52	.50	.47
5.0	.67	.60	.54	.65	.58	.53	.60	.54	.50	.55	.51	.47	.51	.48	.45	.42
6.0	.62	.54	.49	.59	.52	.48	.55	.49	.45	.51	.46	.43	.47	.44	.41	.38
7.0	.56	.49	.44	.54	.48	.43	.51	.45	.41	.47	.42	.39	.44	.40	.37	.35
8.0	.52	.45	.40	.50	.44	.39	.47	.41	.37	.44	.39	.36	.41	.37	.34	.32
9.0	.48	.41	.36	.47	.40	.36	.44	.38	.34	.41	.36	.33	.38	.34	.31	.29
10.0	.45	.38	.33	.43	.37	.33	.41	.35	.31	.38	.34	.30	.36	.32	.29	.27



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:何俊伟
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.3263]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.237	.135	.043	.223	.127	.040	.195	.112	.036	.170	.098	.031	.147	.085	.027		
2.0	.226	.124	.038	.213	.118	.036	.189	.105	.033	.166	.093	.029	.145	.082	.026		
3.0	.213	.114	.034	.202	.108	.033	.179	.097	.030	.159	.087	.027	.140	.077	.024		
4.0	.201	.104	.031	.190	.099	.029	.170	.090	.027	.151	.081	.024	.133	.072	.022		
5.0	.188	.096	.028	.179	.092	.027	.160	.083	.025	.143	.075	.022	.127	.068	.020		
6.0	.177	.089	.025	.168	.085	.024	.151	.078	.023	.135	.070	.021	.121	.064	.019		
7.0	.167	.082	.023	.159	.079	.023	.143	.072	.021	.128	.066	.019	.115	.060	.018		
8.0	.157	.077	.022	.150	.074	.021	.135	.068	.019	.122	.062	.018	.109	.056	.016		
9.0	.149	.072	.020	.142	.069	.019	.129	.064	.018	.116	.058	.017	.104	.053	.015		
10.0	.141	.068	.019	.135	.065	.018	.122	.060	.017	.110	.055	.016	.099	.050	.014		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.386	.386	.386	.330	.330	.330	.225	.225	.225	.129	.129	.129	.041	.041	.041	
1.0	.373	.354	.337	.319	.304	.290	.218	.209	.201	.126	.121	.117	.040	.039	.038	
2.0	.362	.331	.305	.310	.285	.263	.213	.197	.184	.123	.115	.108	.039	.037	.035	
3.0	.353	.314	.282	.303	.271	.245	.208	.188	.172	.120	.110	.101	.039	.036	.033	
4.0	.345	.301	.266	.296	.260	.231	.204	.181	.163	.118	.106	.096	.038	.035	.032	
5.0	.338	.290	.255	.291	.251	.222	.200	.175	.156	.116	.103	.093	.037	.034	.031	
6.0	.332	.282	.246	.285	.244	.215	.197	.171	.152	.114	.101	.090	.037	.033	.030	
7.0	.326	.275	.240	.280	.239	.209	.194	.167	.148	.112	.099	.088	.036	.032	.029	
8.0	.320	.270	.235	.276	.234	.205	.191	.164	.145	.111	.097	.087	.036	.032	.029	
9.0	.315	.265	.231	.271	.230	.202	.188	.162	.143	.109	.095	.085	.035	.031	.028	
10.0	.310	.261	.228	.267	.227	.199	.185	.159	.142	.108	.094	.084	.035	.031	.028	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm											
NAME: 12代 2FT 黑色					TYPE:20W 3000K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: WS					SUR.:0.38*0.017+0.605*0.017			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		15.6	16.7	16.2	17.2	17.9	23.4	24.4	23.9	24.9	25.6
	3H	15.4	16.3	16.0	16.9	17.6	24.3	25.2	24.9	25.8	26.5
	4H	15.2	16.1	15.9	16.7	17.4	24.6	25.4	25.2	26.0	26.7
	6H	15.1	15.9	15.8	16.5	17.3	24.7	25.5	25.3	26.1	26.8
	8H	15.0	15.8	15.7	16.4	17.2	24.7	25.4	25.3	26.1	26.8
	12H	15.0	15.7	15.6	16.3	17.1	24.6	25.3	25.3	26.0	26.8
4H	2H	16.3	17.1	16.9	17.8	18.5	23.1	23.9	23.7	24.5	25.2
	3H	16.0	16.7	16.7	17.4	18.2	24.1	24.8	24.7	25.4	26.2
	4H	15.9	16.5	16.6	17.2	18.0	24.4	25.1	25.1	25.7	26.5
	6H	15.7	16.3	16.5	17.0	17.9	24.6	25.2	25.3	25.9	26.7
	8H	15.7	16.2	16.4	16.9	17.8	24.6	25.1	25.3	25.8	26.7
	12H	15.6	16.0	16.3	16.8	17.7	24.6	25.0	25.3	25.8	26.7
8H	4H	16.0	16.5	16.7	17.2	18.1	24.2	24.7	24.9	25.4	26.3
	6H	15.8	16.2	16.6	17.0	17.9	24.4	24.8	25.2	25.6	26.5
	8H	15.7	16.1	16.5	16.9	17.8	24.4	24.8	25.2	25.6	26.5
	12H	15.7	16.0	16.5	16.8	17.7	24.4	24.7	25.2	25.5	26.5
12H	4H	16.0	16.4	16.7	17.2	18.1	24.1	24.6	24.9	25.3	26.2
	6H	15.8	16.2	16.6	17.0	17.9	24.3	24.7	25.1	25.5	26.4
	8H	15.7	16.1	16.6	16.9	17.8	24.4	24.7	25.2	25.5	26.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 3.9					+ 0.4 / - 0.3					
1.5H	+ 1.4 / - 2.7					+ 0.9 / - 1.3					
2.0H	+ 2.6 / - 4.5					+ 1.9 / - 2.7					

CIE Pub.117 Corrected 1942 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

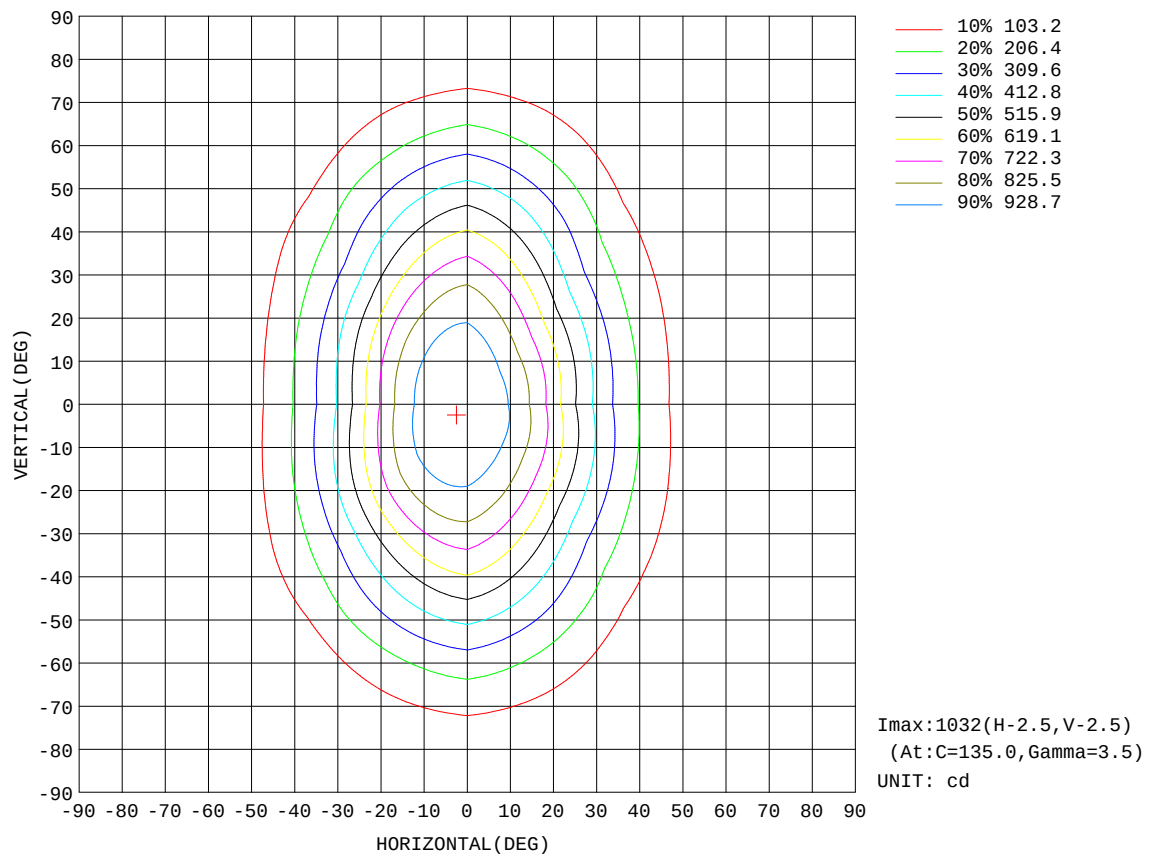
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	45	59	50	45	56	48	44	37
0.80	70	60	54	68	59	54	64	57	52	44
1.00	77	68	62	75	66	61	70	64	59	50
1.25	83	75	69	80	73	67	75	69	64	55
1.50	88	79	74	84	77	72	78	73	68	58
2.00	93	86	81	89	83	78	82	78	74	62
2.50	96	90	85	92	87	82	85	81	77	63
3.00	99	93	89	95	90	86	87	83	80	65
4.00	102	98	94	98	94	90	89	86	84	68
5.00	104	100	97	100	96	93	91	88	86	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

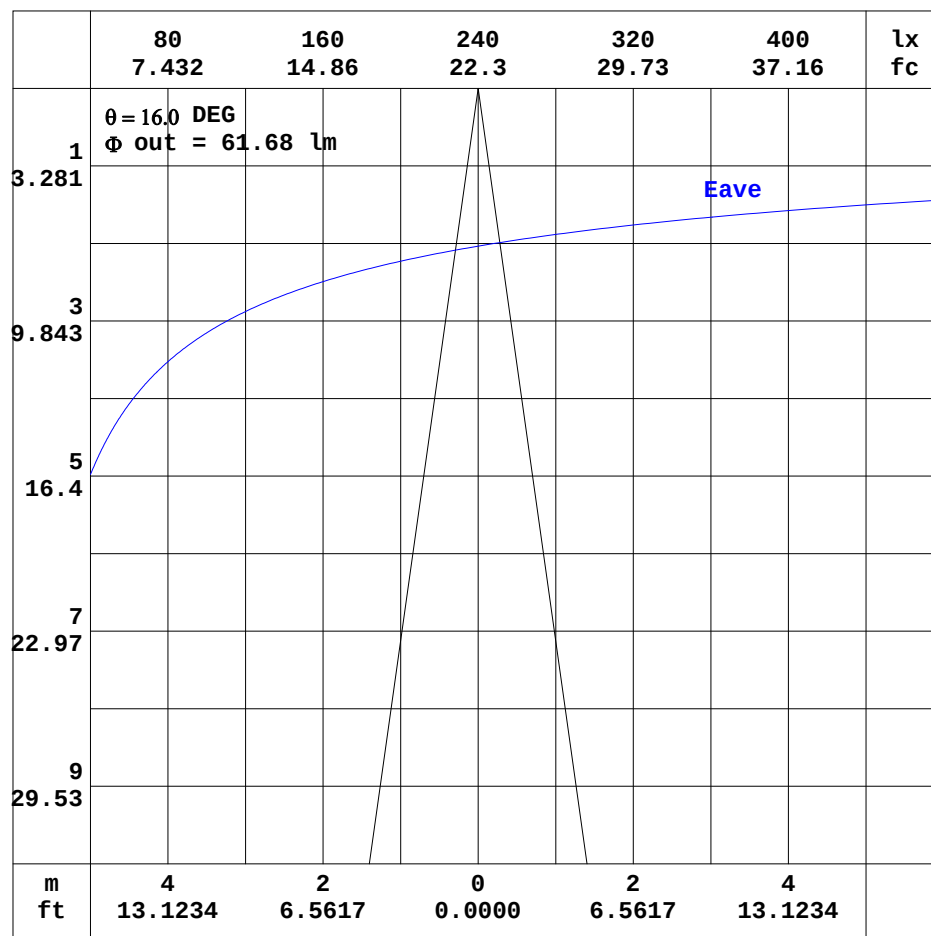


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

AAI CURVES

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



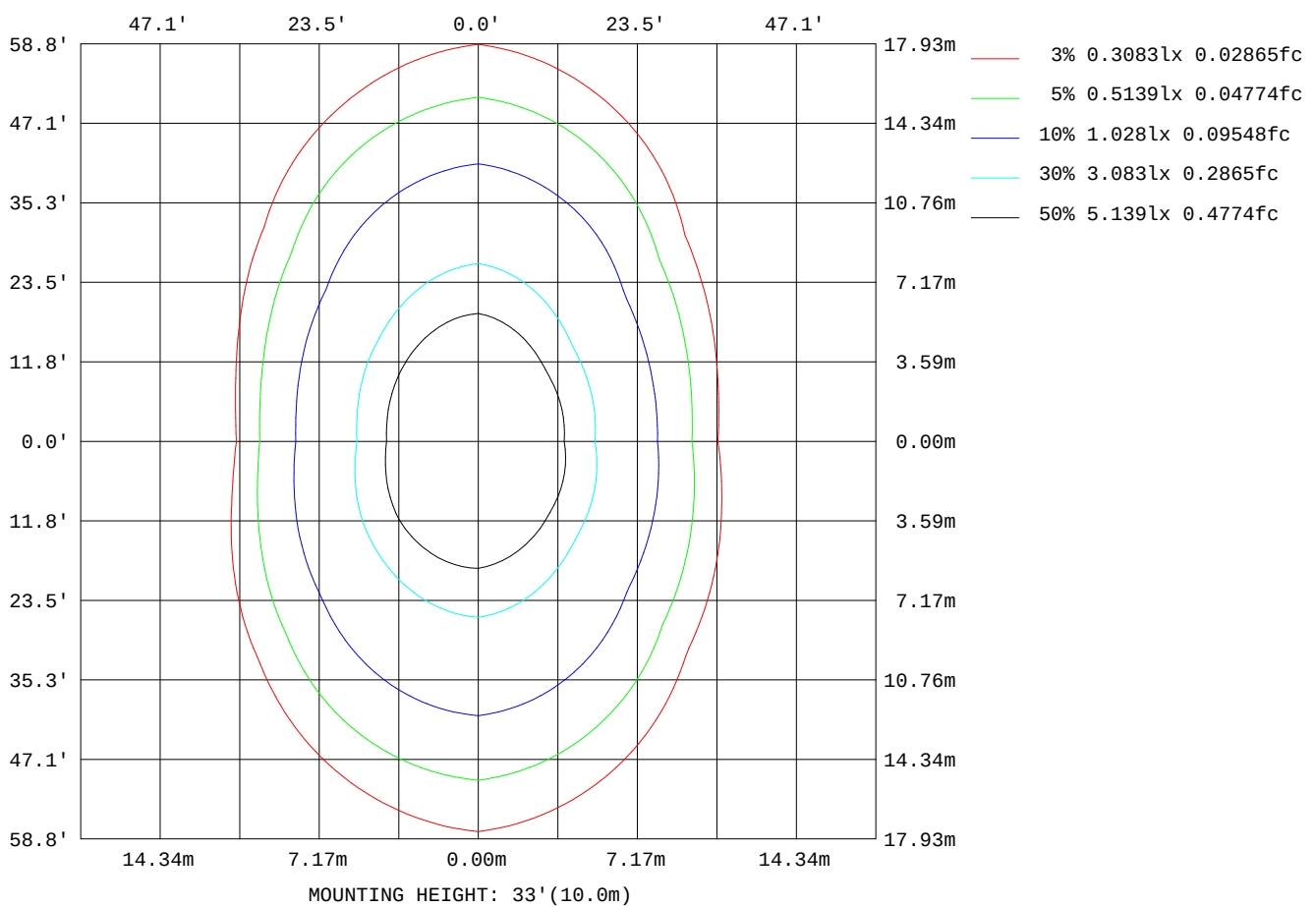
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: 何俊伟
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000_V1 SYSTEM V2.0.353
 Humidity: 65.0%
 Test Distance: 7.540m [K=1.3263]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: 何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.3263]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

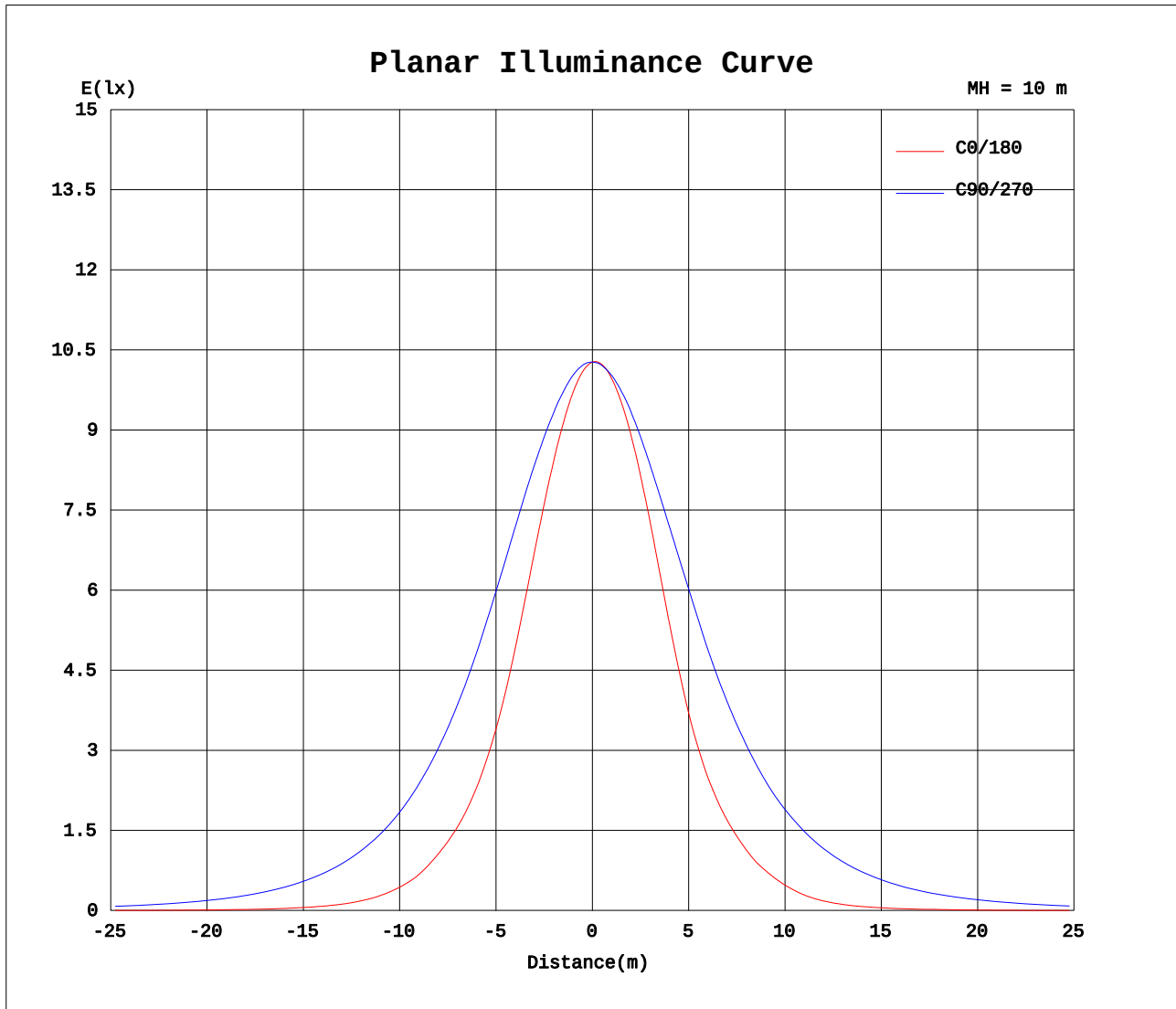
AvgL	cd/m2
L_0~180(65)av	1461
L_0~180(75)av	545
L_0~180(85)av	724
L_90~270(65)av	29172
L_90~270(75)av	19617
L_90~270(85)av	6800
L_45(65)av	5865
L_45(75)av	1114
L_45(85)av	1154

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:何俊伟
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.3263]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: 何俊伟
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.3263]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027
5	994	995	996	998	999	1000	1002	1003	1005	1006	1008	1009	1011	1013	1014	1016	1017	1019	1020
10	919	923	927	931	935	939	943	947	952	956	961	966	971	976	981	986	990	994	998
15	810	817	825	833	840	848	857	865	873	882	892	903	913	923	933	942	950	958	964
20	669	681	693	706	718	731	744	758	771	785	802	820	837	853	869	884	897	909	918
25	519	534	549	565	582	598	615	633	651	670	694	719	744	767	789	810	828	844	857
30	389	403	417	433	449	466	485	504	525	546	577	608	639	669	698	724	748	768	783
35	285	295	307	320	334	350	368	387	408	430	465	500	536	570	603	633	660	683	701
40	200	207	215	226	239	253	270	288	308	330	366	403	440	477	511	543	571	595	614
45	124	131	139	149	161	175	191	208	227	248	283	319	355	390	423	454	481	504	521
50	71.4	77.0	84.2	93.2	104	116	130	146	163	182	214	247	280	312	342	371	395	416	432
55	39.5	41.8	45.8	51.5	58.9	68.0	78.8	91.4	106	122	149	178	207	236	263	288	310	329	343
60	21.3	20.2	20.8	23.1	27.0	32.7	40.1	49.2	59.9	72.4	95.8	120	145	169	193	214	233	250	262
65	10.8	7.73	6.18	6.17	7.68	10.7	15.3	21.4	29.0	38.2	56.6	76.0	95.7	115	134	152	167	180	190
70	4.38	1.05	0.19	0.17	0.16	0.14	2.33	6.16	11.2	17.4	30.5	44.4	58.7	72.8	86.5	99.2	111	120	127
75	2.31	0.12	0.12	0.12	0.12	0.11	0.11	0.10	0.52	4.18	12.6	21.6	30.9	40.2	49.1	57.5	65.0	71.3	76.2
80	1.59	0.10	0.11	0.12	0.12	0.13	0.13	0.13	0.54	2.22	6.09	10.2	14.5	18.8	22.9	26.8	30.2	33.2	35.4
85	1.01	0.79	0.65	0.57	0.55	0.60	0.72	0.91	1.16	1.48	2.17	2.90	3.66	4.41	5.14	5.82	6.43	6.94	7.33
90	0.75	0.90	1.04	1.15	1.23	1.30	1.34	1.36	1.36	1.34	1.21	1.07	0.92	0.77	0.62	0.47	0.34	0.23	0.15
95	0.63	0.56	0.63	0.72	0.80	0.86	0.90	0.93	0.96	1.14	1.49	1.86	2.23	2.61	2.98	3.33	3.65	3.92	4.15
100	1.04	0.58	0.45	0.52	0.57	0.62	0.65	0.68	1.13	1.75	3.10	4.54	6.02	7.51	8.96	10.3	11.5	12.6	13.4
105	1.49	0.63	0.32	0.37	0.41	0.44	0.47	0.73	1.61	2.74	5.22	7.87	10.6	13.3	16.0	18.5	20.8	22.7	24.2
110	2.76	1.45	0.52	0.31	0.34	0.37	0.61	1.58	2.92	4.64	8.25	12.1	16.2	20.2	24.2	28.1	31.6	34.7	37.2
115	4.22	3.50	3.18	3.26	3.73	4.60	5.87	7.53	9.58	12.0	15.9	20.1	24.5	29.1	33.8	38.6	43.3	47.8	52.1
120	6.40	12.9	19.0	24.8	30.2	35.2	39.9	44.2	48.2	51.8	54.1	56.2	58.0	59.7	61.4	63.1	64.8	66.8	68.9
125	14.3	31.2	46.5	60.3	72.6	83.3	92.5	100	106	111	111	109	107	104	100	96.2	92.5	89.0	86.2
130	60.3	75.0	88.2	100.0	110	119	127	132	137	140	138	135	131	127	122	117	112	107	104
135	148	149	150	151	151	151	151	151	150	148	145	141	138	134	131	128	125	123	121
140	183	180	176	172	169	166	163	160	157	154	151	148	146	143	141	140	138	137	137
145	187	184	181	178	175	172	170	168	166	164	161	160	158	156	155	154	153	153	153
150	184	181	179	178	176	174	173	172	170	169	169	168	167	167	166	166	166	166	166
155	186	184	182	181	179	178	177	176	175	174	174	174	174	175	175	175	176	176	177
160	186	185	184	183	183	182	182	181	181	181	181	182	182	183	183	184	184	185	185
165	189	189	190	190	190	190	190	190	190	190	191	191	191	191	191	191	191	191	191
170	199	199	199	199	199	199	198	198	198	198	198	198	197	197	197	197	196	196	196
175	203	202	202	202	202	202	202	202	202	201	201	201	200	200	200	199	199	199	198
180	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027
5	1022	1023	1025	1026	1027	1028	1029	1030	1030	1029	1028	1026	1025	1023	1021	1020	1018	1017	1017
10	1000	1002	1004	1005	1005	1005	1005	1004	1002	998	994	990	985	981	977	972	969	966	966
15	967	968	968	967	965	963	959	954	949	940	930	920	910	901	892	884	877	871	873
20	920	920	918	914	908	901	892	882	870	853	835	817	800	783	767	753	740	731	735
25	857	854	848	839	828	814	798	781	762	737	712	686	662	638	616	596	580	567	573
30	780	772	760	745	727	706	683	659	633	604	576	547	520	494	471	450	433	420	426
35	693	680	663	642	617	590	561	531	501	472	445	419	394	371	350	332	318	307	312
40	603	587	565	540	512	481	449	416	382	356	331	307	285	265	247	232	221	213	216
45	510	493	471	446	417	387	354	322	289	264	241	219	199	180	165	152	142	135	138
50	421	405	385	361	334	306	276	245	215	191	169	149	130	113	98.5	86.4	77.1	70.8	73.9
55	333	319	300	279	255	229	203	176	149	130	112	95.9	81.1	68.0	56.8	47.8	40.9	36.5	38.6
60	252	238	221	201	180	157	133	110	87.1	73.9	62.1	51.7	42.7	35.1	29.0	24.3	21.2	19.6	19.6
65	181	169	154	137	119	99.8	80.5	61.3	43.0	34.5	27.4	21.5	16.8	13.2	10.7	9.21	8.64	8.94	7.89
70	120	111	100	88.1	74.7	60.8	46.7	32.9	19.8	14.6	10.4	7.19	4.86	3.33	2.52	2.34	2.72	3.56	2.34
75	71.4	65.2	57.8	49.5	40.6	31.3	22.0	13.0	4.61	2.10	0.36	0.13	0.12	0.11	0.10	0.09	1.05	2.20	0.88
80	33.2	30.3	26.9	23.1	19.0	14.7	10.4	6.30	2.42	1.27	0.47	0.20	0.18	0.17	0.16	0.35	0.82	1.35	0.68
85	6.98	6.50	5.92	5.27	4.57	3.84	3.10	2.37	1.69	1.44	1.24	1.09	0.99	0.93	0.91	0.92	0.95	1.01	0.87
90	0.27	0.42	0.58	0.76	0.95	1.13	1.31	1.47	1.61	1.57	1.50	1.41	1.31	1.21	1.10	0.99	0.89	0.81	0.89
95	4.06	3.92	3.73	3.51	3.26	2.99	2.71	2.42	2.15	1.99	1.86	1.74	1.63	1.54	1.47	1.42	1.38	1.36	1.39
100	12.8	12.0	11.0	9.86	8.61	7.30	5.97	4.66	3.42	2.96	2.59	2.31	2.12	2.00	1.94	1.94	1.99	2.08	2.01
105	23.1	21.6	19.7	17.6	15.3	12.8	10.4	7.94	5.64	4.79	4.12	3.61	3.26	3.05	2.96	2.98	3.09	3.27	3.15
110	36.5	35.2	33.5	31.3	28.8	26.1	23.2	20.2	17.3	15.2	13.1	11.3	9.58	8.09	6.82	5.81	5.09	4.67	5.50
115	56.2	59.8	63.0	65.8	67.9	69.3	70.0	69.9	68.9	62.2	54.9	47.1	39.2	31.4	24.1	17.5	11.9	7.55	12.5
120	75.2	81.6	87.9	93.8	99.2	104	107	110	111	102	91.7	80.6	69.2	57.9	47.0	37.0	28.4	21.5	28.0
125	90.4	95.3	101	106	112	117	122	127	131	128	124	120	116	111	107	102	98.4	95.0	97.7
130	106	110	114	119	124	130	135	141	146	149	151	153	155	156	157	158	158	158	157
135	123	126	130	134	138	143	147	152	157	160	162	165	167	169	170	171	172	172	171
140	138	141	143	146	149	152	156	159	162	166	169	172	174	177	179	180	182	182	180
145	153	155	156	158	159	161	163	166	168	171	174	177	180	182	184	186	187	188	186
150	166	166	166	167	167	168	169	170	171	173	175	177	180	182	184	185	186	187	186
155	177	176	176	176	176	176	176	176	176	177	178	180	181	182	183	184	185	185	184
160	185	184	184	184	183	183	183	182	182	182	182	183	183	183	183	184	184	184	183
165	191	191	190	190	189	189	189	188	188	187	187	187	187	187	187	187	187	186	186
170	195	195	195	194	194	193	193	192	192	192	192	191	191	191	191	191	191	191	191
175	198	198	197	197	197	196	196	196	196	195	195	195	195	194	194	194	194	194	194
180	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027
5	1017	1017	1017	1017	1018	1018	1019	1019	1020	1020	1021	1021	1021	1021	1021	1020	1020	1017	1015
10	967	968	970	972	975	977	980	983	986	990	992	995	997	999	1000	1000	999	994	988
15	876	880	886	892	899	906	914	922	929	937	944	950	955	960	963	964	964	956	946
20	742	751	762	774	788	802	817	832	847	861	874	886	896	905	912	916	917	906	891
25	583	596	611	629	649	670	692	715	738	761	782	802	820	835	848	857	861	846	827
30	436	449	466	486	508	532	558	584	615	645	674	702	727	749	768	782	790	772	749
35	320	332	347	364	385	408	432	458	493	529	564	597	628	656	680	698	711	691	665
40	223	233	246	263	281	302	326	351	388	426	463	499	533	564	590	611	626	606	579
45	144	154	166	181	199	219	241	264	301	337	374	410	443	473	500	521	536	517	492
50	80.2	89.3	101	116	132	151	172	195	228	262	296	329	360	388	413	432	446	429	406
55	43.2	50.2	59.4	70.8	84.1	99.3	116	135	165	195	225	255	282	308	330	347	360	345	324
60	21.1	24.2	29.0	35.3	43.4	53.1	64.5	77.6	103	129	156	182	207	229	249	266	278	265	247
65	7.73	8.56	10.5	13.6	17.9	23.6	30.8	39.6	59.7	80.9	102	124	144	163	180	194	205	194	180
70	1.61	1.47	2.03	3.38	5.63	8.87	13.2	18.8	33.3	48.7	64.5	80.2	95.2	109	122	132	140	132	122
75	0.12	0.14	0.16	0.18	0.19	0.21	1.87	4.69	14.3	24.5	35.0	45.5	55.7	65.2	73.7	80.8	86.3	80.9	73.8
80	0.15	0.17	0.19	0.21	0.23	0.25	1.04	2.42	7.17	12.3	17.5	22.7	27.8	32.5	36.7	40.3	43.0	40.3	36.8
85	0.76	0.69	0.67	0.70	0.81	1.00	1.28	1.67	2.85	4.10	5.39	6.68	7.92	9.08	10.1	11.0	11.6	11.0	10.1
90	0.97	1.07	1.17	1.27	1.36	1.44	1.50	1.54	1.40	1.23	1.05	0.87	0.68	0.51	0.34	0.20	0.08	0.18	0.30
95	1.45	1.51	1.59	1.67	1.76	1.85	1.95	2.04	2.13	2.21	2.28	2.35	2.40	2.44	2.47	2.48	2.48	2.38	2.27
100	1.98	2.00	2.06	2.18	2.35	2.59	2.90	3.29	4.28	5.31	6.37	7.41	8.40	9.30	10.1	10.7	11.2	10.5	9.68
105	3.11	3.14	3.26	3.49	3.83	4.29	4.89	5.63	7.50	9.47	11.5	13.4	15.3	17.1	18.6	19.8	20.7	19.4	17.8
110	6.62	7.99	9.58	11.3	13.3	15.2	17.3	19.4	21.6	23.8	25.8	27.7	29.3	30.6	31.6	32.2	32.4	30.1	27.4
115	18.8	26.0	33.8	42.0	50.3	58.3	65.7	72.4	72.5	71.6	69.8	67.3	64.0	60.2	56.0	51.4	46.6	42.6	38.5
120	36.3	45.8	56.3	67.2	78.1	88.7	98.5	107	106	103	98.4	93.4	87.7	81.5	75.0	68.6	62.3	61.0	60.0
125	101	105	109	113	116	120	123	125	121	116	111	105	99.7	94.1	88.8	84.1	80.1	83.5	87.5
130	156	154	153	151	148	145	142	139	134	128	123	117	112	108	104	100	97.7	102	106
135	169	167	165	162	159	156	152	148	144	139	135	130	126	123	119	117	115	116	118
140	178	175	172	169	165	162	158	154	151	147	144	141	138	135	133	132	131	131	132
145	184	181	178	174	170	167	163	159	157	155	153	151	149	148	147	146	146	146	147
150	184	181	179	176	173	170	167	165	163	162	161	161	160	159	159	159	159	159	160
155	183	182	180	178	177	175	173	172	171	171	171	170	170	170	171	171	171	171	171
160	183	183	182	182	181	181	180	180	180	180	180	180	180	180	180	181	181	181	181
165	186	186	186	186	186	186	186	186	186	186	187	187	187	188	188	188	189	189	190
170	191	190	190	190	191	191	191	191	191	192	192	192	193	193	194	194	195	195	196
175	194	194	194	194	195	195	195	195	195	196	196	196	196	197	197	197	198	198	198
180	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:1941.67x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027				
5	1012	1009	1006	1004	1001	998	996	994	993	993	992	992	992	992	993				
10	982	975	967	960	953	945	938	934	931	927	925	923	921	920	920				
15	935	923	910	897	883	870	857	849	842	835	829	824	819	815	812				
20	875	856	837	816	796	775	755	741	729	718	707	698	689	681	675				
25	804	779	752	723	694	665	636	618	601	585	571	558	546	535	526				
30	721	690	657	622	586	550	515	494	474	456	441	427	414	404	396				
35	635	600	563	524	484	444	406	383	363	345	329	316	305	296	289				
40	548	512	473	433	391	350	311	288	268	251	236	224	214	207	202				
45	462	428	391	352	313	274	236	214	194	177	163	150	140	132	127				
50	379	348	314	279	243	207	172	152	135	119	106	94.6	85.6	78.7	74.0				
55	300	272	242	211	179	147	116	99.7	85.0	72.3	61.7	53.1	46.6	42.2	39.8				
60	226	203	177	150	123	96.2	70.5	57.2	45.9	36.5	29.0	23.6	20.1	18.5	18.9				
65	163	143	123	101	79.5	58.2	37.9	28.0	19.8	13.3	8.60	5.59	4.31	4.76	6.93				
70	109	94.9	79.7	64.0	48.1	32.6	18.0	11.1	5.57	1.38	0.24	0.24	0.24	0.23	0.53				
75	65.4	55.9	45.8	35.3	24.8	14.5	4.96	0.78	0.23	0.22	0.21	0.20	0.19	0.17	0.15				
80	32.6	27.8	22.8	17.5	12.3	7.17	2.40	0.34	0.23	0.22	0.21	0.19	0.17	0.15	0.12				
85	9.06	7.90	6.65	5.35	4.05	2.79	1.60	1.07	0.65	0.35	0.24	0.23	0.20	0.32	0.61				
90	0.45	0.61	0.77	0.94	1.11	1.26	1.40	1.42	1.43	1.40	1.35	1.28	1.19	1.06	0.92				
95	2.15	2.01	1.87	1.72	1.57	1.42	1.27	1.17	1.08	0.99	0.91	0.84	0.78	0.72	0.67				
100	8.69	7.58	6.40	5.19	3.98	2.80	1.70	1.19	0.78	0.58	0.55	0.52	0.48	0.42	0.67				
105	15.9	13.8	11.6	9.33	7.04	4.82	2.74	1.77	1.01	0.46	0.34	0.33	0.31	0.32	0.80				
110	24.4	21.1	17.7	14.3	10.9	7.66	4.63	3.14	1.97	1.12	0.59	0.38	0.49	0.93	1.68				
115	34.4	30.3	26.3	22.4	18.8	15.3	12.1	9.94	8.07	6.54	5.33	4.45	3.90	3.68	3.78				
120	59.2	58.6	58.1	57.4	56.6	55.5	54.0	50.7	46.9	42.5	37.7	32.4	26.6	20.4	13.6				
125	92.0	96.5	101	105	108	110	111	107	101	93.0	83.8	73.1	60.8	46.9	31.4				
130	111	116	122	126	131	134	136	133	129	124	117	108	98.3	87.0	74.4				
135	121	124	127	131	135	138	142	144	145	146	147	148	148	149	148				
140	134	136	139	141	144	148	151	154	157	161	164	168	171	175	179				
145	148	149	151	153	155	157	160	162	165	167	170	173	177	180	184				
150	160	160	161	162	163	164	165	167	168	170	172	174	176	179	181				
155	171	171	171	171	171	172	172	173	174	175	177	178	180	182	184				
160	181	181	181	181	181	181	182	182	182	183	183	184	184	185	185				
165	191	191	192	192	193	193	193	193	193	193	192	192	191	191	190				
170	196	197	197	197	198	198	199	199	199	199	199	199	199	199	199				
175	199	199	199	200	200	201	201	201	201	202	202	202	202	202	202				
180	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.3263]
Remarks: