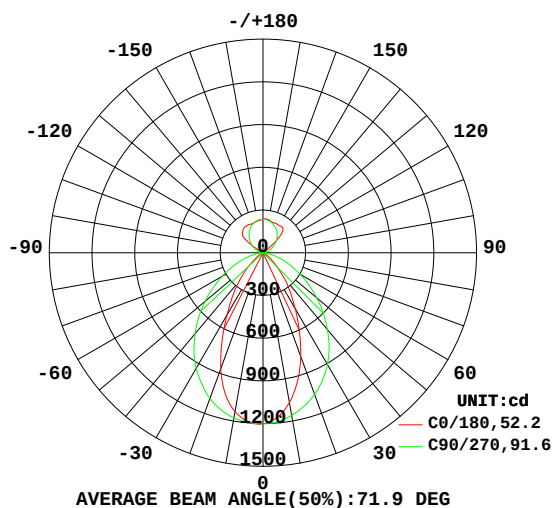


LUMINAIRE PHOTOMETRIC TEST REPORT

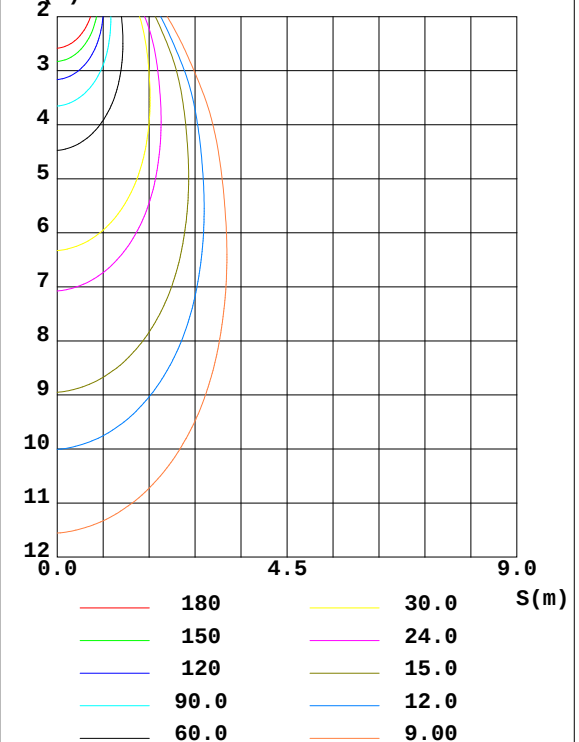
Test:U:120.0V I:0.1730A P:20.50W PF:0.9800 Freq:60.00Hz Lamp Flux:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.24 lm/W			
MODEL	上下发光	I _{max} (cd)	1207	S/MH(C0/180)	0.77
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2280.5	η UP, DN(C0-180)	12.8, 37.0
NOMINAL FLUX(lm)	2280.48	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.9, 37.4
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:

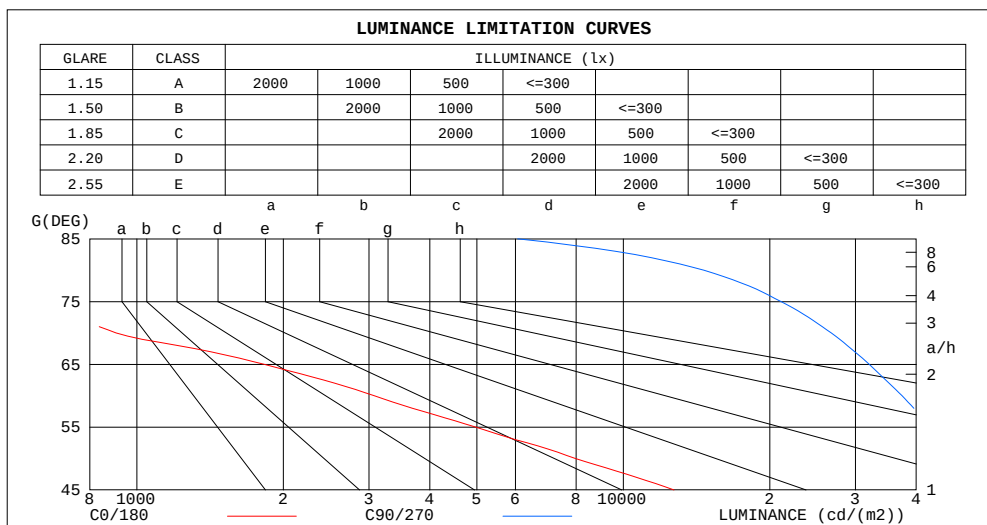
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1068	1111	1159	1170	1133	1158	1178	1101	0- 10	111.5	111.5	4.89,4.89
20	774.8	901.3	1059	1008	867.5	989.8	1090	888.7	10- 20	295.1	406.6	17.8,17.8
30	451.7	627.0	905.0	735.8	506.9	707.6	937.6	610.9	20- 30	375.9	782.5	34.3,34.3
40	230.9	381.2	703.1	449.7	260.1	426.0	741.9	371.6	30- 40	350.5	1133	49.7,49.7
50	81.88	209.9	492.7	251.0	87.05	238.2	530.1	206.2	40- 50	269.3	1402	61.5,61.5
60	24.59	83.18	299.3	102.2	23.69	96.01	330.5	83.90	50- 60	172.0	1574	69,69
70	4.957	19.75	146.4	22.97	4.367	22.81	167.9	21.33	60- 70	84.23	1659	72.7,72.7
80	1.801	2.571	40.67	2.796	1.596	2.799	51.59	2.747	70- 80	30.71	1689	74.1,74.1
90	0.8265	1.543	0.1865	1.816	0.9144	1.740	0.0944	1.572	80- 90	5.487	1695	74.3,74.3
100	1.161	1.878	14.52	3.834	2.375	3.806	13.20	1.945	90-100	2.798	1698	74.4,74.4
110	3.146	5.436	41.97	20.19	5.348	23.32	39.07	5.430	100-110	10.59	1708	74.9,74.9
120	7.364	58.72	78.53	126.8	26.26	126.6	75.12	63.51	110-120	40.66	1749	76.7,76.7
130	73.42	161.6	118.8	166.2	185.8	164.6	115.1	162.4	120-130	99.43	1848	81,81
140	219.6	180.8	157.0	185.3	215.4	182.8	153.2	181.3	130-140	129.4	1978	86.7,86.7
150	222.9	198.5	188.8	197.1	221.5	196.6	187.0	199.4	140-150	121.2	2099	92,92
160	224.4	212.9	212.9	212.5	219.0	213.9	214.2	217.2	150-160	96.19	2195	96.3,96.3
170	235.9	233.1	229.8	227.3	226.5	228.0	231.1	235.3	160-170	63.13	2258	99,99
180	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	170-180	22.31	2280	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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	808	6066
80	648	14637
75	643	21089
70	906	26751
65	1826	32035
60	3074	37412
55	4969	42838
50	7961	47909
45	12706	52920

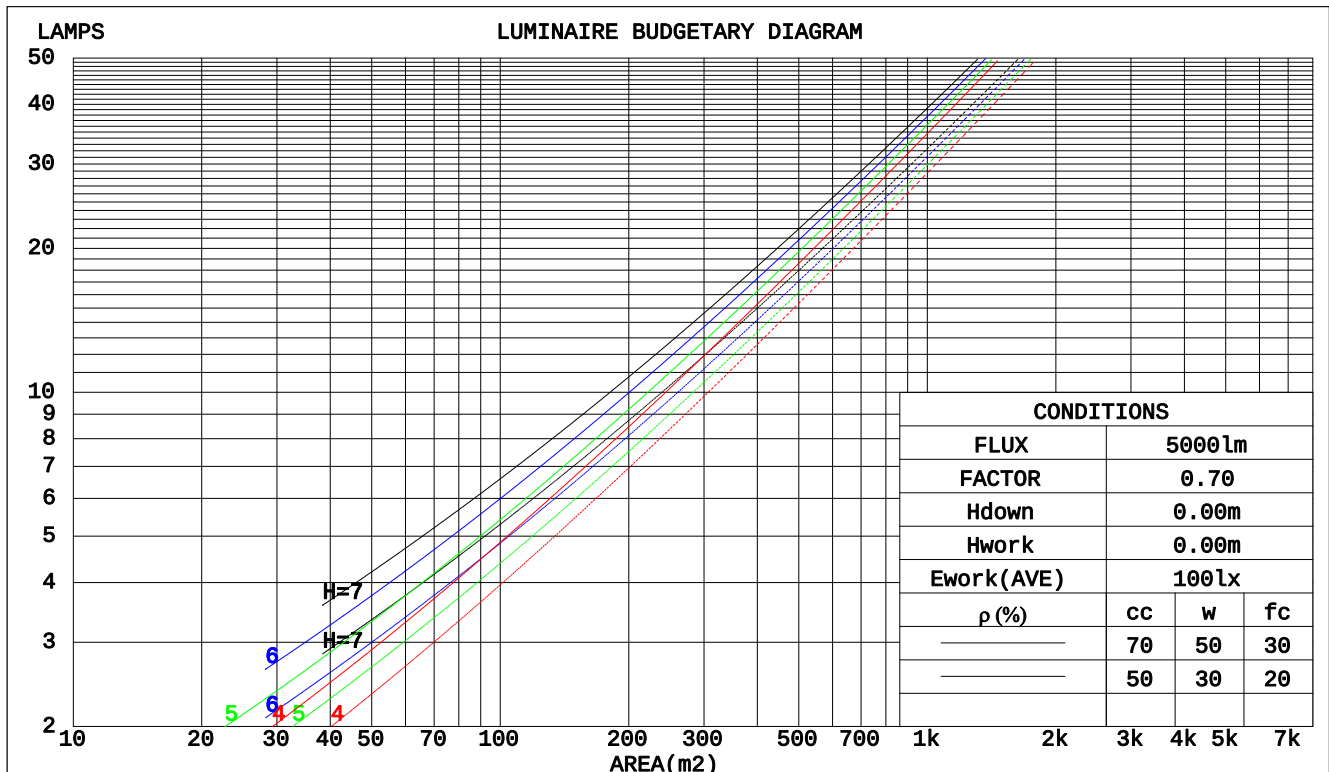
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	.61	.54	.49	.59	.52	.47	.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	.33	.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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	.227	.124	.038	.214	.118	.036	.189	.105	.033	.166	.093	.029	.145	.082	.026		
3.0	.214	.114	.034	.202	.108	.033	.180	.097	.030	.159	.087	.027	.140	.077	.024		
4.0	.201	.104	.031	.190	.099	.029	.170	.090	.027	.151	.081	.024	.133	.073	.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	.136	.070	.021	.121	.064	.019		
7.0	.167	.083	.023	.159	.079	.023	.143	.072	.021	.129	.066	.019	.115	.060	.018		
8.0	.158	.077	.022	.150	.074	.021	.136	.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	.111	.055	.016	.099	.050	.014		

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						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	.244	.208	.188	.171	.120	.110	.101	.039	.036	.033	
4.0	.345	.300	.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	.214	.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:2280.48x1 lm											
NAME: 12代 2FT 黑色					TYPE:20W 4000K			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		16.1	17.1	16.7	17.7	18.3	23.7	24.8	24.3	25.3	26.0
	3H	15.8	16.7	16.4	17.3	18.0	24.7	25.6	25.3	26.2	26.9
	4H	15.7	16.5	16.3	17.2	17.9	24.9	25.8	25.6	26.4	27.1
	6H	15.5	16.3	16.2	17.0	17.7	25.1	25.8	25.7	26.5	27.2
	8H	15.5	16.2	16.1	16.9	17.6	25.0	25.8	25.7	26.5	27.2
	12H	15.4	16.1	16.1	16.8	17.6	25.0	25.7	25.7	26.4	27.2
4H	2H	16.7	17.6	17.4	18.2	18.9	23.4	24.3	24.1	24.9	25.6
	3H	16.4	17.2	17.1	17.8	18.6	24.4	25.2	25.1	25.8	26.6
	4H	16.3	16.9	17.0	17.6	18.4	24.8	25.4	25.5	26.1	26.9
	6H	16.2	16.7	16.9	17.4	18.3	25.0	25.5	25.7	26.3	27.1
	8H	16.1	16.6	16.8	17.3	18.2	25.0	25.5	25.7	26.2	27.1
	12H	16.0	16.5	16.8	17.2	18.1	24.9	25.4	25.7	26.2	27.1
8H	4H	16.4	16.9	17.1	17.7	18.5	24.6	25.1	25.3	25.8	26.7
	6H	16.2	16.7	17.0	17.4	18.3	24.8	25.2	25.6	26.0	26.9
	8H	16.2	16.5	17.0	17.3	18.3	24.8	25.2	25.6	26.0	26.9
	12H	16.1	16.4	16.9	17.2	18.2	24.8	25.1	25.6	25.9	26.9
12H	4H	16.4	16.9	17.2	17.6	18.5	24.5	25.0	25.3	25.7	26.6
	6H	16.2	16.6	17.0	17.4	18.3	24.7	25.1	25.5	25.9	26.8
	8H	16.2	16.5	17.0	17.3	18.2	24.7	25.1	25.6	25.9	26.8
Variations with the observer position at spacings:											
S = 1.0H		+ 1.9 / - 3.9					+ 0.4 / - 0.3				
1.5H		+ 1.4 / - 2.6					+ 0.9 / - 1.3				
2.0H		+ 2.7 / - 4.6					+ 1.9 / - 2.7				

CIE Pub.117 Corrected 2280 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.9)

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

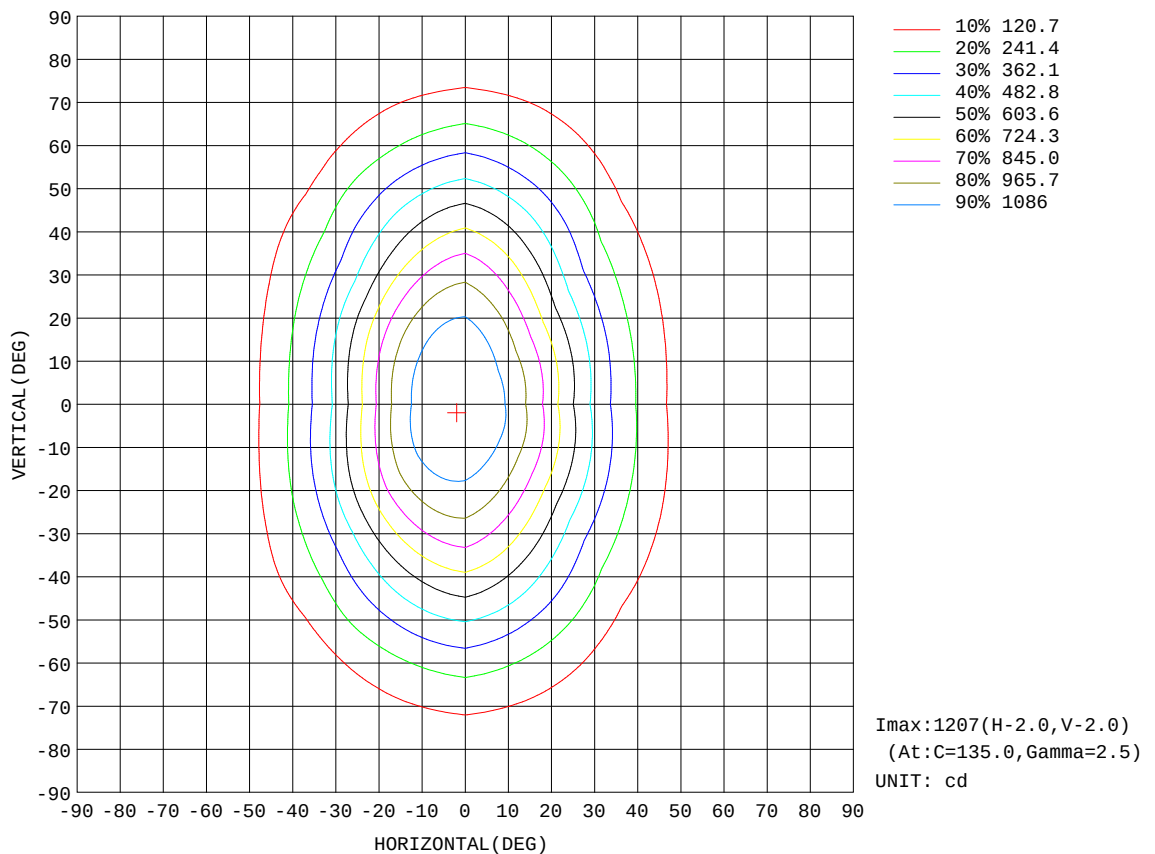
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	45	59	50	45	56	48	44	37
0.80	70	60	54	68	59	54	64	57	52	44
1.00	77	68	62	74	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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

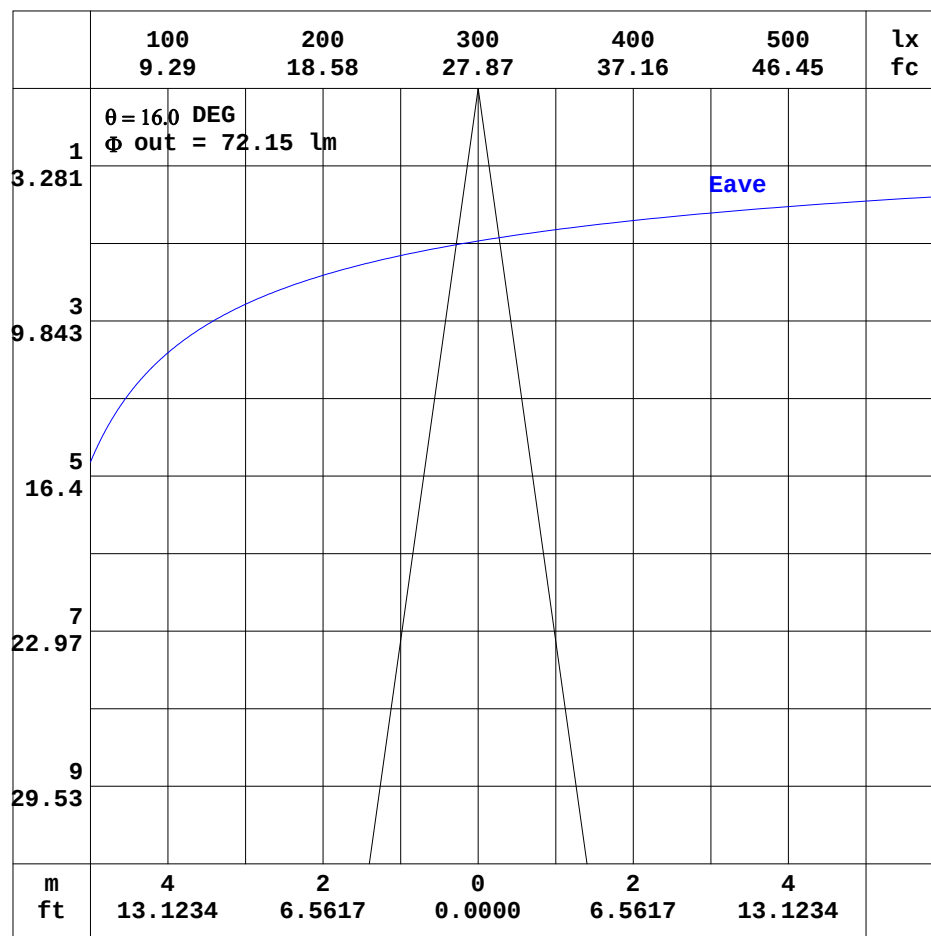


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



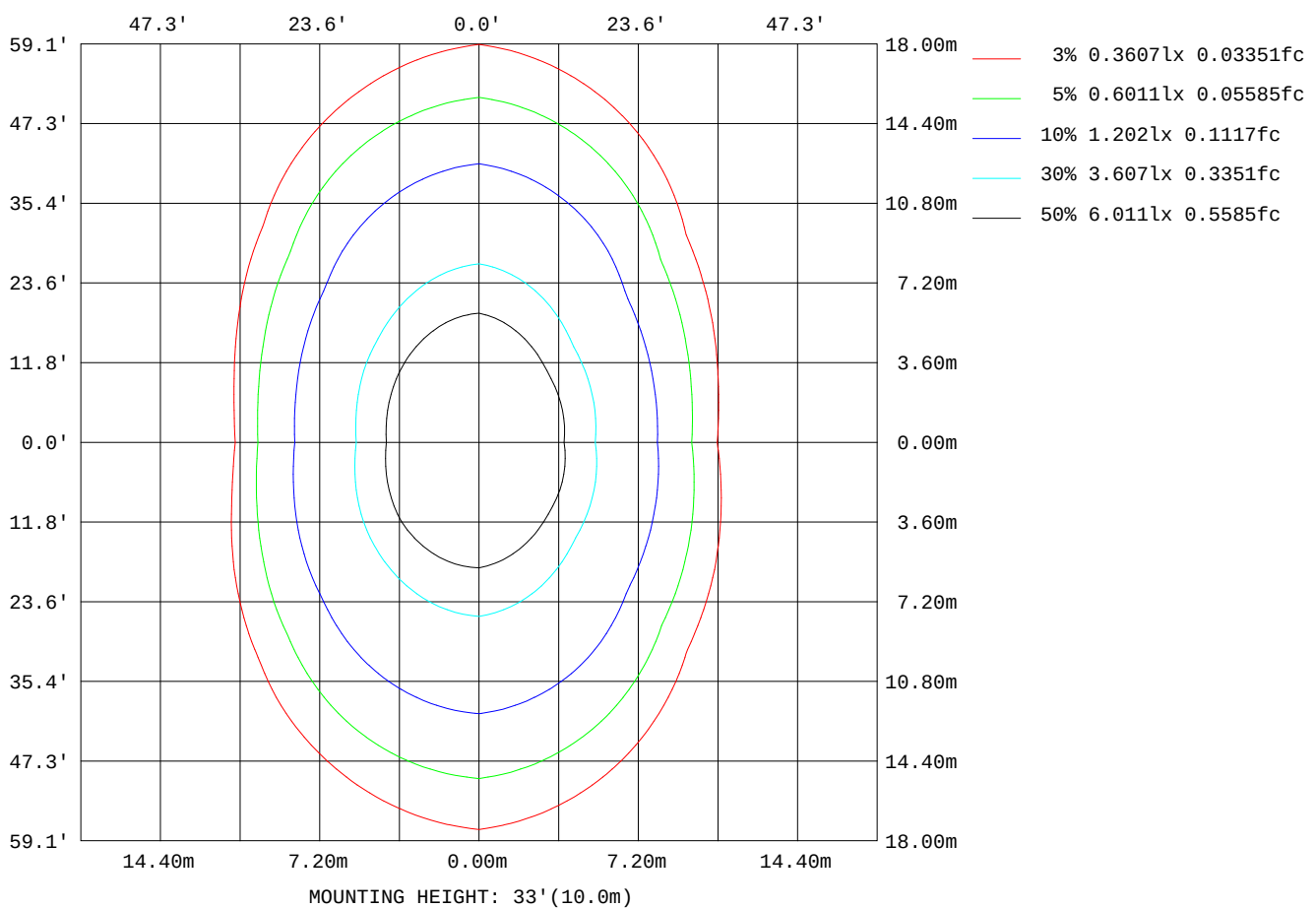
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

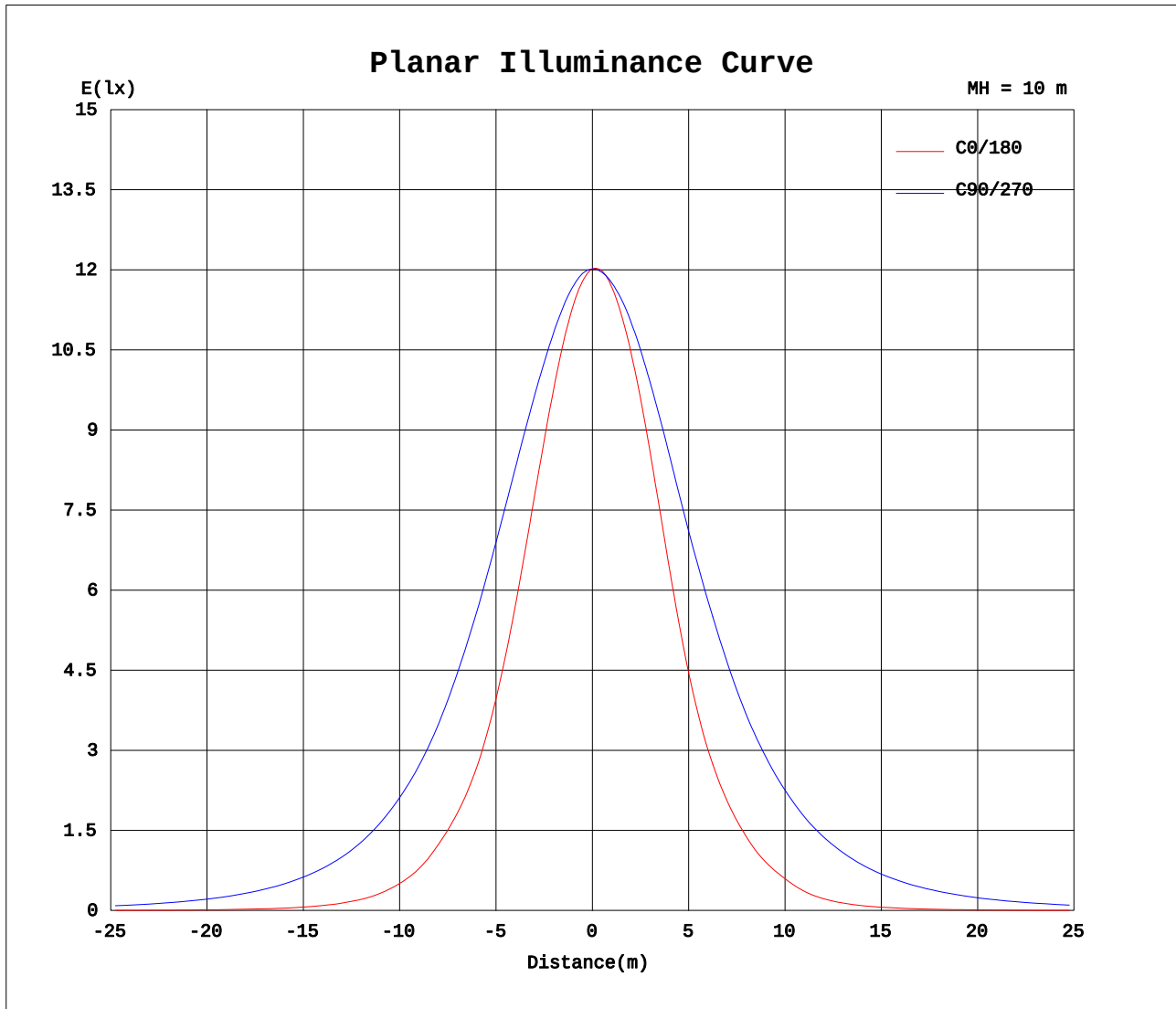
AvgL	cd/m2
L_0~180(65)av	1721
L_0~180(75)av	634
L_0~180(85)av	819
L_90~270(65)av	33978
L_90~270(75)av	22986
L_90~270(85)av	8060
L_45(65)av	6940
L_45(75)av	1303
L_45(85)av	1315

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202
5	1160	1161	1163	1164	1166	1167	1169	1170	1172	1174	1175	1177	1179	1181	1183	1185	1186	1188	1190
10	1068	1073	1077	1082	1086	1091	1096	1101	1106	1111	1116	1122	1128	1134	1140	1145	1150	1155	1159
15	936	944	953	961	970	979	988	998	1007	1017	1030	1042	1054	1066	1078	1089	1098	1107	1115
20	775	787	800	814	827	841	856	871	886	901	922	942	962	982	1001	1018	1034	1048	1059
25	605	620	636	652	669	687	706	726	746	767	795	824	853	881	907	932	954	973	988
30	452	466	482	499	517	536	557	579	602	627	663	699	735	771	804	835	862	886	905
35	333	343	356	370	387	405	425	446	470	496	536	577	618	658	696	731	762	789	810
40	231	239	250	262	277	293	312	333	356	381	422	464	506	547	587	623	655	682	703
45	144	152	161	173	187	203	221	241	264	288	328	368	409	449	487	522	553	579	599
50	81.9	88.5	97.0	107	120	134	150	168	188	210	246	283	321	357	391	423	451	475	493
55	45.6	48.4	53.1	59.8	68.4	79.0	91.5	106	122	141	172	205	238	271	302	330	355	377	393
60	24.6	23.3	24.0	26.6	31.2	37.7	46.2	56.6	68.9	83.2	110	138	166	194	220	245	267	285	299
65	12.3	8.82	7.04	7.01	8.74	12.2	17.4	24.4	33.1	43.6	64.6	86.7	109	132	153	173	191	205	217
70	4.96	1.07	0.21	0.19	0.17	0.16	2.39	6.80	12.6	19.8	34.9	51.0	67.4	83.7	99.4	114	127	138	146
75	2.66	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.53	4.74	14.4	24.8	35.4	46.1	56.4	66.0	74.6	81.8	87.3
80	1.80	0.11	0.12	0.12	0.13	0.14	0.14	0.14	0.64	2.57	7.03	11.8	16.7	21.6	26.4	30.8	34.8	38.1	40.7
85	1.13	0.88	0.72	0.63	0.61	0.68	0.82	1.03	1.33	1.69	2.50	3.35	4.22	5.09	5.93	6.72	7.42	8.01	8.46
90	0.83	1.01	1.17	1.30	1.40	1.48	1.53	1.56	1.57	1.54	1.40	1.24	1.07	0.90	0.72	0.56	0.41	0.28	0.19
95	0.69	0.67	0.72	0.83	0.92	0.99	1.04	1.09	1.25	1.44	1.78	2.14	2.50	2.86	3.21	3.54	3.84	4.10	4.30
100	1.16	0.65	0.52	0.59	0.66	0.71	0.75	0.79	1.21	1.88	3.34	4.89	6.50	8.11	9.68	11.1	12.5	13.6	14.5
105	1.68	0.72	0.37	0.42	0.47	0.51	0.54	0.80	1.79	3.05	5.82	8.76	11.8	14.9	17.8	20.6	23.1	25.3	26.9
110	3.15	1.71	0.70	0.36	0.40	0.43	0.87	1.97	3.49	5.44	9.49	13.8	18.4	22.9	27.4	31.7	35.6	39.1	42.0
115	4.81	3.99	3.63	3.72	4.26	5.26	6.71	8.61	11.0	13.8	18.2	23.0	28.0	33.3	38.6	44.0	49.3	54.5	59.4
120	7.36	14.7	21.5	28.0	34.1	39.8	45.1	50.1	54.6	58.7	61.4	63.7	65.9	67.8	69.8	71.7	73.8	76.0	78.5
125	16.9	35.8	52.9	68.4	82.1	94.2	105	113	120	126	126	124	121	118	114	110	106	102	98.8
130	73.4	89.7	104	117	129	139	147	153	158	162	159	156	151	146	140	134	128	123	119
135	175	177	178	178	178	178	177	176	175	173	169	164	160	155	151	147	143	140	138
140	220	215	210	205	200	196	192	188	184	181	177	173	169	166	163	161	159	158	157
145	226	222	217	212	208	204	201	197	194	191	188	185	182	180	178	176	175	174	174
150	223	219	216	213	210	208	205	203	201	199	197	195	194	192	191	190	190	189	189
155	225	222	219	216	214	212	210	208	206	205	204	203	202	202	202	202	202	202	202
160	224	223	221	219	218	217	215	214	214	213	213	212	212	212	212	212	213	213	213
165	227	226	226	226	225	225	225	224	224	224	224	223	223	223	223	223	222	222	222
170	236	236	235	235	235	234	234	234	233	233	233	232	232	232	231	231	231	230	230
175	239	239	239	239	239	238	238	238	238	238	237	237	237	236	236	236	235	235	235
180	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202
5	1192	1194	1196	1198	1199	1201	1202	1203	1204	1203	1202	1201	1199	1198	1196	1195	1193	1192	1192
10	1162	1165	1167	1169	1170	1171	1171	1171	1170	1166	1162	1157	1153	1148	1144	1139	1136	1133	1134
15	1118	1120	1121	1121	1119	1117	1113	1109	1103	1094	1084	1075	1065	1055	1046	1038	1032	1026	1029
20	1062	1062	1060	1055	1049	1041	1032	1021	1008	991	972	954	936	918	902	888	877	867	873
25	989	985	978	968	956	940	923	904	883	856	829	802	776	751	729	709	692	680	688
30	901	893	879	862	842	818	792	765	736	704	673	642	612	584	559	538	520	507	515
35	801	787	768	744	716	686	653	619	585	553	523	493	466	441	418	399	384	373	379
40	692	674	651	624	593	559	523	487	450	420	392	365	340	318	298	282	269	260	265
45	586	568	544	516	484	450	414	377	341	313	286	262	239	219	202	187	176	169	173
50	481	463	441	415	385	353	319	285	251	224	199	176	154	135	118	104	94.0	87.0	91.5
55	382	366	346	322	295	267	237	206	176	154	134	114	97.0	81.6	68.5	57.7	49.7	44.6	47.7
60	288	273	254	231	207	181	155	128	102	86.9	73.2	61.1	50.6	41.7	34.6	29.1	25.5	23.7	24.1
65	206	193	176	157	137	115	92.9	71.2	50.4	40.6	32.3	25.5	20.0	15.9	13.0	11.2	10.6	10.9	9.84
70	139	128	116	102	86.2	70.2	54.0	38.1	23.0	16.9	12.1	8.41	5.73	3.98	3.06	2.89	3.35	4.37	2.95
75	81.9	74.8	66.4	56.9	46.6	36.0	25.4	15.1	5.38	2.48	0.47	0.13	0.12	0.11	0.11	0.11	1.26	2.59	1.03
80	38.2	34.9	31.0	26.6	21.9	17.0	12.0	7.27	2.80	1.47	0.56	0.20	0.19	0.17	0.16	0.44	0.98	1.60	0.78
85	8.04	7.49	6.83	6.07	5.26	4.41	3.56	2.72	1.92	1.63	1.40	1.24	1.12	1.06	1.03	1.05	1.09	1.16	0.99
90	0.32	0.48	0.67	0.87	1.07	1.28	1.48	1.66	1.82	1.76	1.68	1.59	1.47	1.35	1.23	1.11	1.01	0.91	1.00
95	4.22	4.09	3.91	3.70	3.46	3.20	2.93	2.66	2.40	2.24	2.09	1.96	1.85	1.75	1.67	1.61	1.57	1.55	1.59
100	13.9	13.0	12.0	10.7	9.39	7.99	6.56	5.17	3.83	3.33	2.93	2.63	2.42	2.29	2.23	2.22	2.28	2.38	2.30
105	25.7	24.0	22.0	19.6	17.1	14.4	11.6	8.95	6.41	5.45	4.70	4.14	3.75	3.52	3.42	3.44	3.56	3.77	3.64
110	41.2	39.9	38.0	35.6	32.9	29.9	26.7	23.5	20.2	17.7	15.4	13.2	11.2	9.42	7.92	6.71	5.84	5.35	6.37
115	64.0	68.2	71.8	74.9	77.3	79.0	79.8	79.7	78.6	70.9	62.4	53.5	44.5	35.7	27.4	19.9	13.6	8.79	14.7
120	85.7	93.0	100	107	113	118	123	126	127	117	105	92.5	79.7	66.9	54.7	43.5	33.9	26.3	34.0
125	104	109	115	121	128	134	140	145	149	146	142	138	133	128	123	119	115	111	114
130	122	126	130	136	141	148	154	160	166	170	173	176	179	181	183	185	185	186	185
135	140	143	147	152	157	162	167	173	178	182	187	191	194	197	200	202	204	205	203
140	158	160	163	166	169	173	177	181	185	190	194	198	202	206	209	212	214	215	214
145	174	176	177	179	181	184	187	190	193	197	201	205	209	212	216	218	221	222	220
150	189	189	190	190	191	192	194	195	197	200	203	207	210	213	216	218	220	222	220
155	202	202	202	202	202	202	203	204	204	206	209	211	213	215	217	219	220	221	220
160	213	213	212	212	212	212	212	212	212	213	214	215	216	216	217	218	218	219	219
165	222	222	221	221	221	221	221	221	221	221	221	221	221	221	221	222	222	222	222
170	230	229	229	229	228	228	228	228	227	227	227	227	227	227	227	227	227	226	227
175	234	234	234	234	233	233	233	233	232	232	232	232	231	231	231	231	231	231	231
180	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202
5	1192	1192	1193	1193	1194	1194	1195	1195	1196	1197	1197	1198	1198	1198	1198	1197	1196	1193	1190
10	1135	1138	1140	1143	1147	1150	1154	1158	1162	1166	1169	1173	1175	1177	1178	1179	1178	1171	1164
15	1034	1039	1046	1054	1063	1072	1081	1090	1100	1109	1117	1125	1131	1137	1140	1142	1142	1132	1119
20	882	893	906	921	937	954	972	990	1007	1024	1039	1053	1066	1076	1084	1088	1090	1075	1058
25	700	717	736	757	781	806	832	858	884	909	933	955	975	991	1005	1013	1018	999	977
30	529	546	567	591	618	646	677	708	742	777	810	841	869	894	914	929	938	916	888
35	390	404	423	444	469	496	525	556	596	637	678	716	752	783	810	831	845	821	790
40	274	286	302	322	344	369	396	426	469	513	556	598	636	671	701	725	742	718	687
45	181	193	208	226	246	270	296	324	366	409	452	493	532	567	597	621	638	615	586
50	99.6	111	126	143	164	186	211	238	277	317	357	395	431	464	492	514	530	510	483
55	53.7	62.6	74.1	88.1	104	123	144	166	201	236	271	306	338	367	392	412	427	409	384
60	26.4	30.5	36.6	44.6	54.5	66.3	80.2	96.0	126	157	188	218	247	274	297	316	330	315	294
65	9.82	11.0	13.4	17.2	22.5	29.4	38.1	48.5	72.4	97.5	123	148	172	195	214	231	243	230	213
70	2.11	1.98	2.67	4.31	7.02	10.9	16.1	22.8	40.3	58.8	77.7	96.5	115	131	146	159	168	158	146
75	0.12	0.14	0.16	0.18	0.20	0.22	2.36	5.75	17.2	29.4	42.0	54.5	66.6	78.0	88.1	96.5	103	96.6	88.2
80	0.16	0.18	0.20	0.22	0.24	0.25	1.14	2.80	8.53	14.6	20.9	27.2	33.3	39.0	44.1	48.3	51.6	48.4	44.1
85	0.84	0.75	0.71	0.75	0.87	1.10	1.43	1.90	3.33	4.86	6.44	8.00	9.51	10.9	12.2	13.2	14.0	13.2	12.2
90	1.10	1.21	1.32	1.43	1.53	1.62	1.69	1.74	1.58	1.39	1.19	0.98	0.77	0.57	0.39	0.23	0.09	0.20	0.34
95	1.64	1.71	1.80	1.90	2.01	2.12	2.24	2.37	2.52	2.67	2.82	2.95	3.07	3.17	3.25	3.30	3.32	3.18	3.01
100	2.27	2.28	2.35	2.49	2.70	2.98	3.35	3.81	4.98	6.21	7.46	8.69	9.86	10.9	11.9	12.6	13.2	12.4	11.4
105	3.60	3.65	3.81	4.09	4.51	5.07	5.80	6.70	8.96	11.3	13.8	16.1	18.4	20.5	22.3	23.8	24.8	23.3	21.4
110	7.75	9.44	11.4	13.5	15.9	18.3	20.8	23.3	26.0	28.7	31.1	33.4	35.3	37.0	38.2	38.9	39.1	36.3	33.0
115	22.0	30.4	39.6	49.2	58.9	68.3	77.0	84.9	85.2	84.3	82.3	79.5	75.9	71.6	66.8	61.5	56.0	51.2	46.3
120	43.7	54.9	67.1	79.9	92.7	105	117	127	125	122	117	111	104	97.3	89.9	82.4	75.1	73.4	72.1
125	119	123	128	133	137	141	145	148	143	137	131	125	118	112	105	99.7	95.0	98.8	103
130	184	183	181	178	175	172	169	165	158	152	145	139	133	127	122	118	115	120	125
135	201	199	196	192	188	184	179	175	169	164	158	153	148	144	140	137	135	137	140
140	211	208	205	201	197	192	187	183	178	174	170	166	163	159	157	155	153	154	156
145	218	215	211	207	203	199	194	190	187	184	181	178	176	174	173	171	171	172	173
150	218	215	213	210	206	203	200	197	195	193	191	190	189	188	187	187	187	187	188
155	219	217	215	213	211	209	207	205	204	203	203	202	202	202	202	202	202	202	202
160	218	218	217	216	216	215	215	214	214	214	214	214	214	214	214	214	214	214	215
165	222	222	222	222	221	221	221	221	221	222	222	222	222	222	223	223	224	224	225
170	227	227	227	227	227	228	228	228	228	229	229	229	230	230	230	231	231	232	232
175	231	231	232	232	232	232	233	233	233	233	234	234	234	234	235	235	235	236	236
180	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234

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:2280.48x1 lm		
NAME: 12代 2FT 黑色	TYPE:20W 4000K	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	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202				
5	1187	1183	1180	1176	1172	1169	1166	1164	1162	1161	1160	1160	1159	1159	1159				
10	1156	1147	1138	1128	1119	1110	1101	1095	1090	1085	1081	1077	1074	1072	1070				
15	1106	1090	1074	1058	1041	1024	1007	996	986	976	968	960	953	946	941				
20	1037	1015	991	966	940	914	889	872	856	841	827	814	803	792	783				
25	950	920	888	855	820	786	752	730	709	690	672	655	640	627	615				
30	855	819	779	737	695	652	611	585	561	539	519	501	486	472	461				
35	754	713	669	623	575	528	482	455	430	408	389	373	359	347	339				
40	650	608	563	515	467	418	372	345	320	299	280	265	252	242	235				
45	550	510	466	420	373	327	281	255	232	211	193	178	165	155	148				
50	451	414	374	333	290	247	206	182	161	142	126	112	101	92.0	85.7				
55	356	323	288	251	213	175	139	119	102	86.3	73.5	63.1	55.1	49.5	46.3				
60	269	241	210	179	146	114	83.9	68.0	54.4	43.1	34.2	27.6	23.4	21.5	21.9				
65	193	171	146	121	94.7	69.3	45.2	33.4	23.6	15.8	10.1	6.47	4.88	5.33	7.82				
70	131	114	95.7	76.8	57.7	39.0	21.3	13.0	6.37	1.31	0.26	0.26	0.26	0.26	0.32				
75	78.1	66.8	54.7	42.1	29.5	17.2	5.72	0.70	0.25	0.24	0.23	0.22	0.21	0.19	0.17				
80	39.0	33.4	27.3	21.0	14.6	8.50	2.75	0.26	0.24	0.23	0.22	0.20	0.18	0.16	0.13				
85	10.9	9.49	7.97	6.39	4.81	3.27	1.82	1.17	0.66	0.30	0.25	0.23	0.21	0.28	0.63				
90	0.50	0.68	0.87	1.06	1.25	1.42	1.57	1.60	1.60	1.57	1.52	1.43	1.32	1.18	1.02				
95	2.81	2.59	2.37	2.13	1.89	1.66	1.43	1.29	1.17	1.06	0.98	0.91	0.83	0.76	0.72				
100	10.2	8.91	7.51	6.08	4.64	3.25	1.95	1.34	0.86	0.67	0.64	0.60	0.55	0.49	0.73				
105	19.1	16.6	13.9	11.1	8.36	5.68	3.16	2.00	1.08	0.42	0.40	0.38	0.35	0.32	0.85				
110	29.4	25.4	21.3	17.2	13.1	9.11	5.43	3.62	2.20	1.17	0.53	0.28	0.41	0.93	1.85				
115	41.4	36.5	31.6	27.0	22.5	18.3	14.4	11.8	9.51	7.65	6.18	5.12	4.45	4.17	4.29				
120	71.0	70.1	69.2	68.2	67.0	65.5	63.5	59.5	54.9	49.7	44.0	37.8	31.0	23.7	15.8				
125	108	114	118	123	126	129	130	124	117	108	97.7	85.2	70.8	54.7	36.7				
130	132	138	144	150	155	160	162	159	154	148	140	130	118	105	90.0				
135	144	148	153	157	162	167	171	173	175	176	177	177	177	177	176				
140	158	161	165	168	172	177	181	185	189	193	197	201	206	210	215				
145	175	177	179	182	185	188	192	195	198	202	206	209	213	218	222				
150	189	190	192	193	195	197	199	201	204	206	209	211	214	217	220				
155	202	203	203	204	205	206	207	208	210	212	213	215	218	220	222				
160	215	215	215	216	216	217	217	218	218	219	220	221	222	222	223				
165	226	227	227	228	228	229	229	229	229	229	229	229	228	228	227				
170	233	233	234	234	235	235	235	236	236	236	236	236	236	236	236				
175	236	237	237	237	238	238	238	238	239	239	239	239	239	239	239				
180	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234				

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: