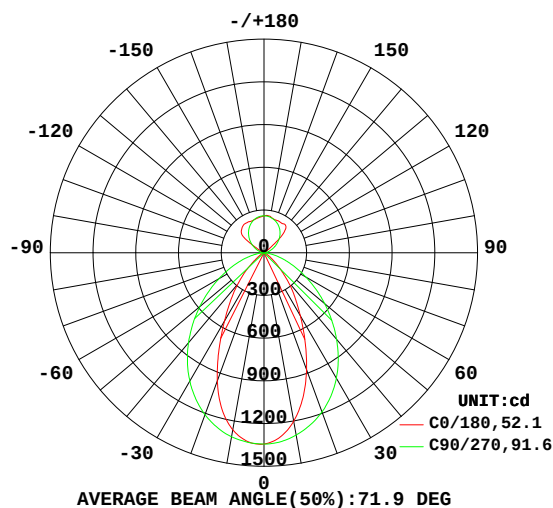


LUMINAIRE PHOTOMETRIC TEST REPORT

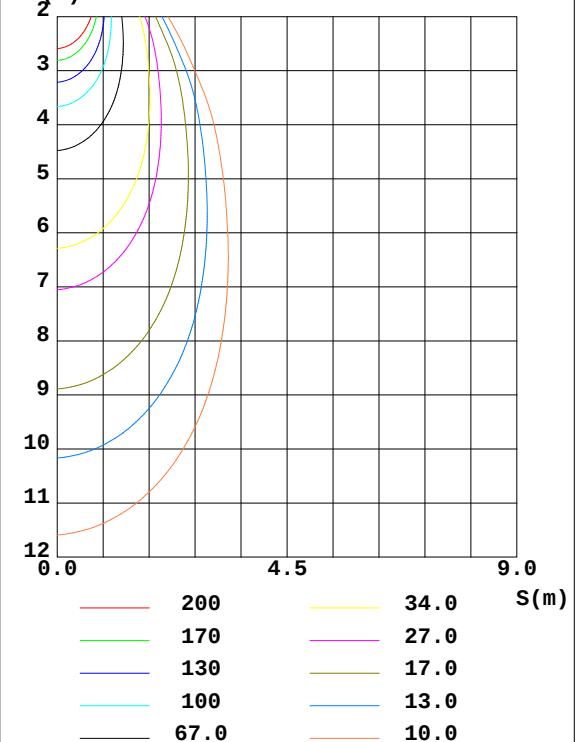
Test:U:120.0V I:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.72 lm/W			
MODEL	上下发光	I _{max} (cd)	1351	S/MH(C0/180)	0.78
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2540.0	η UP, DN(C0-180)	12.8, 37.3
NOMINAL FLUX(lm)	2540.04	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.7, 37.2
LAMPS INSIDE	1	η up(%)	25.5	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	74.5	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:

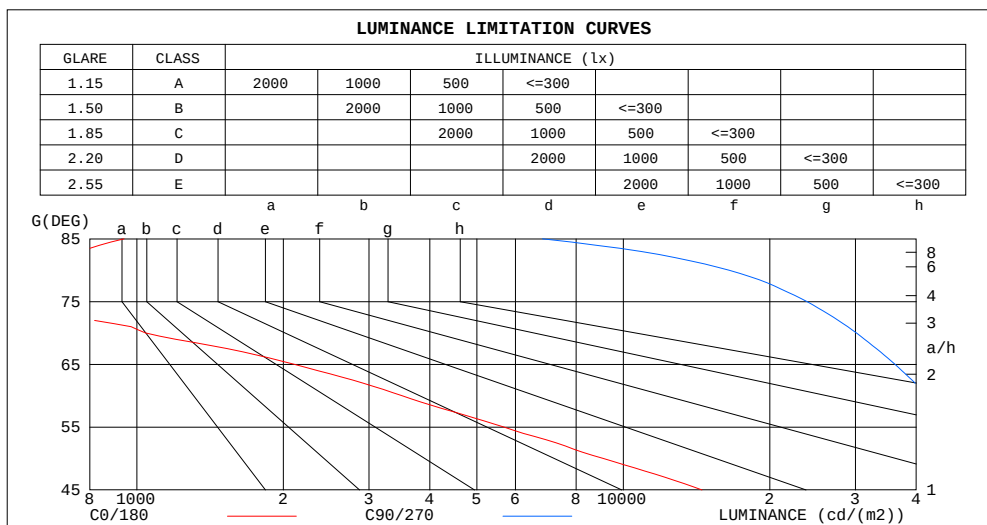
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1201	1247	1300	1309	1262	1290	1312	1231	0- 10	124.7	124.7	4.91, 4.91
20	874.1	1019	1190	1131	959.4	1097	1211	993.3	10- 20	330.1	454.8	17.9, 17.9
30	510.6	710.5	1017	823.8	556.0	777.4	1041	681.9	20- 30	420.0	874.8	34.4, 34.4
40	263.4	431.8	792.5	501.3	283.4	467.5	824.7	413.4	30- 40	391.1	1266	49.8, 49.8
50	93.49	238.5	557.1	280.4	94.04	260.6	588.6	229.4	40- 50	300.4	1566	61.7, 61.7
60	28.05	94.97	337.4	113.8	25.84	104.3	366.8	93.53	50- 60	192.1	1758	69.2, 69.2
70	5.700	22.60	164.9	25.68	4.672	24.90	186.0	23.85	60- 70	94.08	1852	72.9, 72.9
80	2.087	2.900	45.83	3.155	1.754	3.151	57.27	3.121	70- 80	34.35	1887	74.3, 74.3
90	0.9586	1.742	0.2037	2.098	1.027	1.983	0.1162	1.805	80- 90	6.137	1893	74.5, 74.5
100	1.319	2.254	16.63	4.355	2.571	4.260	14.51	2.172	90-100	3.147	1896	74.6, 74.6
110	3.525	5.791	47.22	22.49	5.942	25.47	42.53	5.982	100-110	11.78	1908	75.1, 75.1
120	8.188	65.69	87.95	141.8	28.66	139.3	82.13	70.06	110-120	44.98	1953	76.9, 76.9
130	75.20	179.9	132.6	186.1	204.7	181.6	126.9	179.0	120-130	110.3	2063	81.2, 81.2
140	240.5	200.0	175.9	207.2	237.0	201.0	169.3	198.4	130-140	143.1	2206	86.9, 86.9
150	242.6	219.6	211.4	219.5	243.6	215.5	206.5	218.0	140-150	133.8	2340	92.1, 92.1
160	245.1	235.1	237.3	235.3	240.3	234.9	235.7	237.9	150-160	106.0	2446	96.3, 96.3
170	259.1	257.1	254.2	250.6	248.8	249.9	254.2	259.1	160-170	69.53	2515	99, 99
180	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	170-180	24.54	2540	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
 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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	941	6820
80	751	16493
75	729	23858
70	1042	30130
65	2107	36184
60	3506	42178
55	5684	48287
50	9090	54167
45	14506	59599

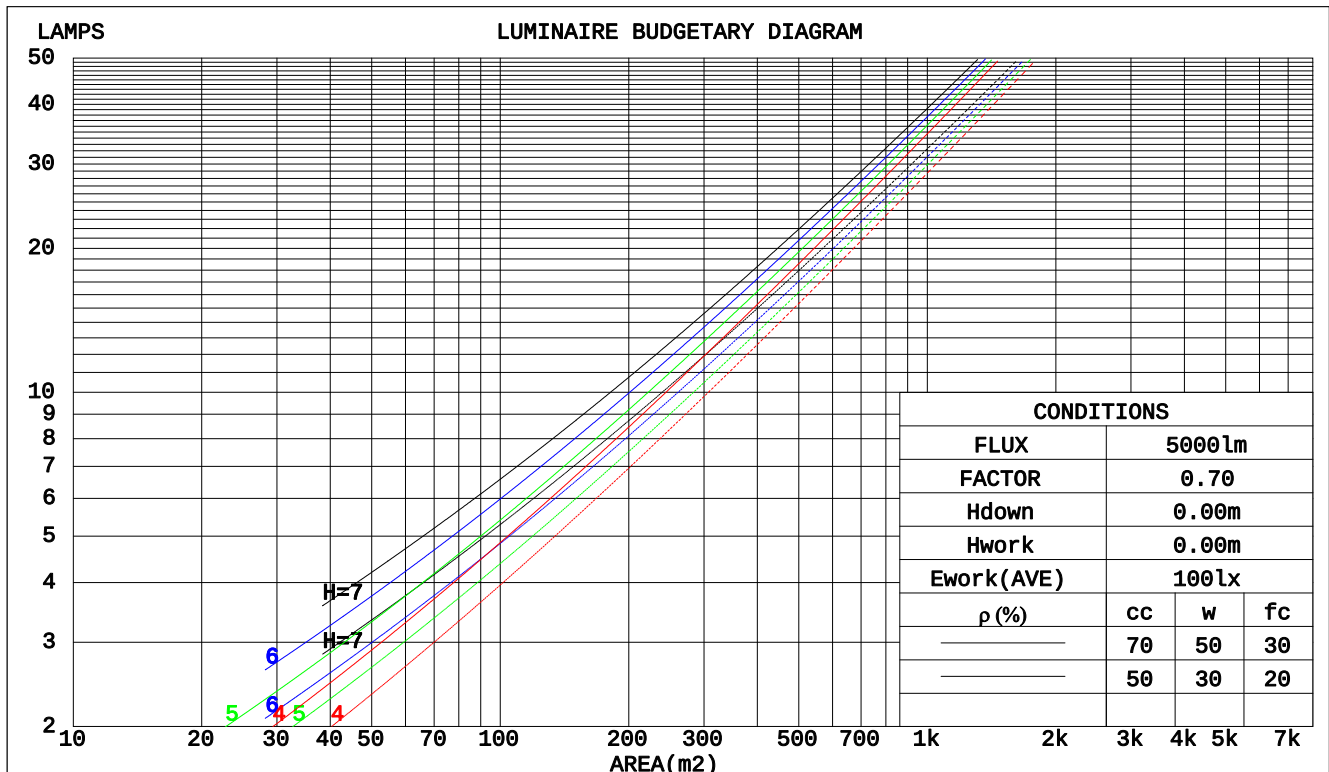
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	.79	.79	.79	.75
1.0	1.02	.98	.95	.97	.94	.91	.88	.86	.84	.80	.78	.77	.73	.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	.68	.64	.66	.63	.60	.61	.58	.56	.53
4.0	.74	.67	.62	.71	.65	.60	.66	.60	.56	.61	.56	.53	.56	.52	.50	.47
5.0	.67	.60	.55	.65	.58	.53	.60	.54	.50	.56	.51	.48	.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	.55	.48	.43	.51	.45	.41	.47	.43	.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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm					
NAME: 12代 2FT 黑色			TYPE:25W 3500K		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	.032	.147	.085	.027		
2.0	.227	.124	.038	.214	.118	.036	.189	.105	.033	.166	.093	.029	.146	.082	.026		
3.0	.214	.114	.034	.202	.108	.033	.180	.097	.030	.159	.087	.027	.140	.078	.024		
4.0	.201	.104	.031	.190	.099	.029	.170	.090	.027	.151	.081	.024	.134	.073	.022		
5.0	.188	.096	.028	.179	.092	.027	.160	.083	.025	.143	.076	.022	.127	.068	.020		
6.0	.177	.089	.025	.168	.085	.024	.151	.078	.023	.136	.071	.021	.121	.064	.019		
7.0	.167	.083	.023	.159	.079	.023	.143	.072	.021	.129	.066	.019	.115	.060	.018		
8.0	.157	.077	.022	.150	.074	.021	.136	.068	.019	.122	.062	.018	.110	.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	.100	.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	.385	.385	.385	.329	.329	.329	.224	.224	.224	.129	.129	.129	.041	.041	.041	
1.0	.371	.353	.336	.317	.303	.289	.217	.208	.200	.125	.120	.116	.040	.039	.038	
2.0	.361	.329	.303	.309	.283	.262	.212	.196	.183	.122	.114	.107	.039	.037	.035	
3.0	.352	.312	.280	.302	.269	.243	.207	.187	.171	.120	.109	.100	.038	.035	.033	
4.0	.344	.299	.265	.295	.258	.230	.203	.180	.162	.117	.105	.096	.038	.034	.031	
5.0	.337	.289	.253	.289	.250	.220	.199	.174	.155	.115	.102	.092	.037	.033	.030	
6.0	.330	.280	.245	.284	.243	.213	.196	.170	.151	.114	.100	.090	.037	.033	.030	
7.0	.324	.274	.238	.279	.237	.208	.193	.166	.147	.112	.098	.088	.036	.032	.029	
8.0	.318	.268	.233	.274	.233	.204	.190	.163	.144	.110	.096	.086	.036	.032	.028	
9.0	.313	.263	.230	.270	.229	.200	.187	.161	.142	.109	.095	.085	.035	.031	.028	
10.0	.308	.259	.227	.266	.225	.198	.184	.158	.141	.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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm											
NAME: 12代 2FT 黑色					TYPE:25W 3500K			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		16.6	17.6	17.2	18.2	18.8	24.2	25.2	24.8	25.8	26.4
	3H	16.4	17.3	17.0	17.9	18.6	25.1	26.0	25.8	26.6	27.3
	4H	16.2	17.1	16.9	17.7	18.4	25.4	26.3	26.1	26.9	27.6
	6H	16.1	16.9	16.7	17.5	18.3	25.5	26.3	26.2	27.0	27.7
	8H	16.0	16.8	16.7	17.4	18.2	25.5	26.3	26.2	26.9	27.7
	12H	15.9	16.7	16.6	17.3	18.1	25.5	26.2	26.1	26.9	27.6
4H	2H	17.3	18.1	17.9	18.7	19.4	23.9	24.8	24.6	25.4	26.1
	3H	17.0	17.7	17.7	18.4	19.1	24.9	25.6	25.6	26.3	27.1
	4H	16.8	17.5	17.5	18.2	19.0	25.3	25.9	26.0	26.6	27.4
	6H	16.7	17.3	17.4	18.0	18.8	25.5	26.0	26.2	26.7	27.6
	8H	16.6	17.1	17.4	17.9	18.7	25.5	26.0	26.2	26.7	27.6
	12H	16.5	17.0	17.3	17.8	18.6	25.4	25.9	26.2	26.6	27.5
8H	4H	16.9	17.4	17.7	18.2	19.0	25.1	25.6	25.8	26.3	27.2
	6H	16.8	17.2	17.6	18.0	18.9	25.3	25.7	26.0	26.4	27.4
	8H	16.7	17.1	17.5	17.9	18.8	25.3	25.7	26.1	26.4	27.4
	12H	16.6	16.9	17.4	17.7	18.7	25.3	25.6	26.1	26.4	27.3
12H	4H	16.9	17.4	17.7	18.1	19.0	25.0	25.5	25.7	26.2	27.1
	6H	16.8	17.1	17.6	17.9	18.9	25.2	25.6	26.0	26.3	27.3
	8H	16.7	17.0	17.5	17.8	18.8	25.2	25.5	26.0	26.3	27.3
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 / - 4.6					+ 1.9 / - 2.6					

CIE Pub.117 Corrected 2540 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.2)

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

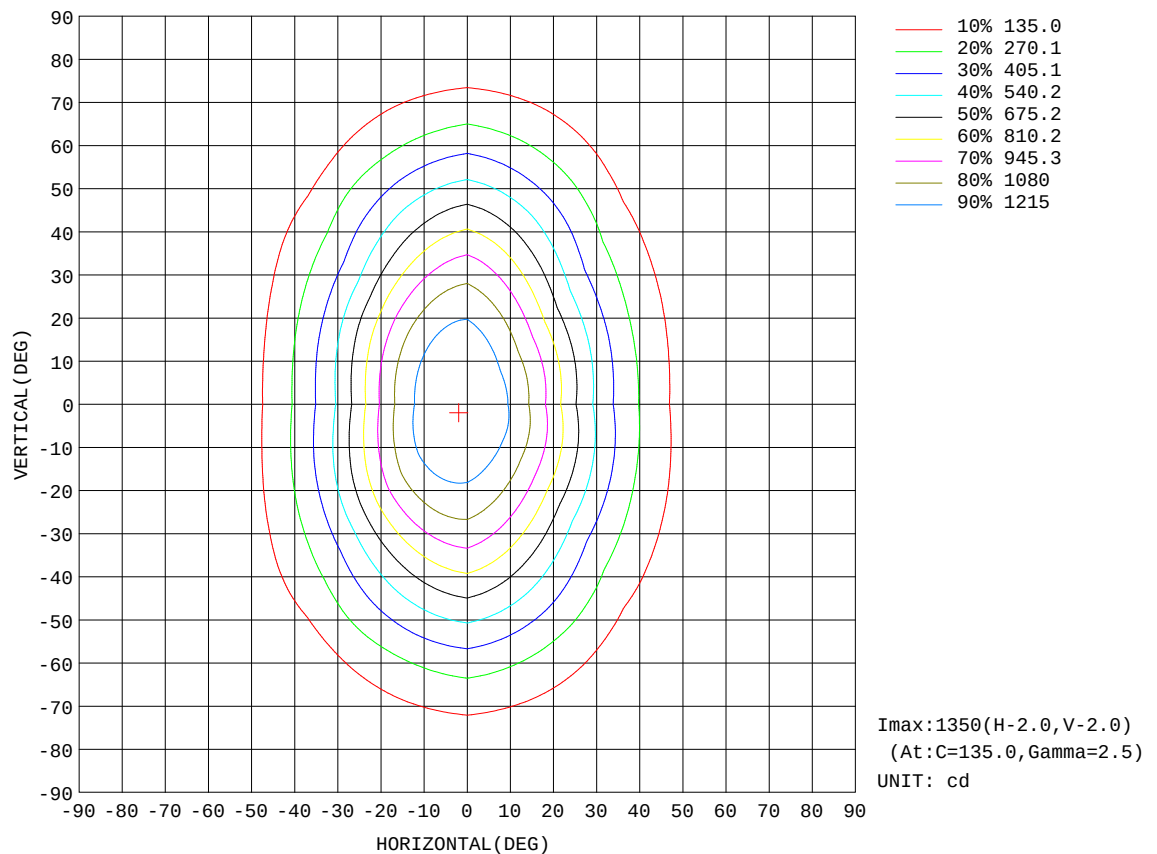
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	45	59	50	45	56	48	44	37
0.80	70	60	54	68	59	54	64	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	80	74	84	77	72	78	73	69	58
2.00	93	86	81	89	83	79	83	78	74	62
2.50	96	90	85	92	87	82	85	81	77	64
3.00	99	93	89	95	90	86	87	83	80	66
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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

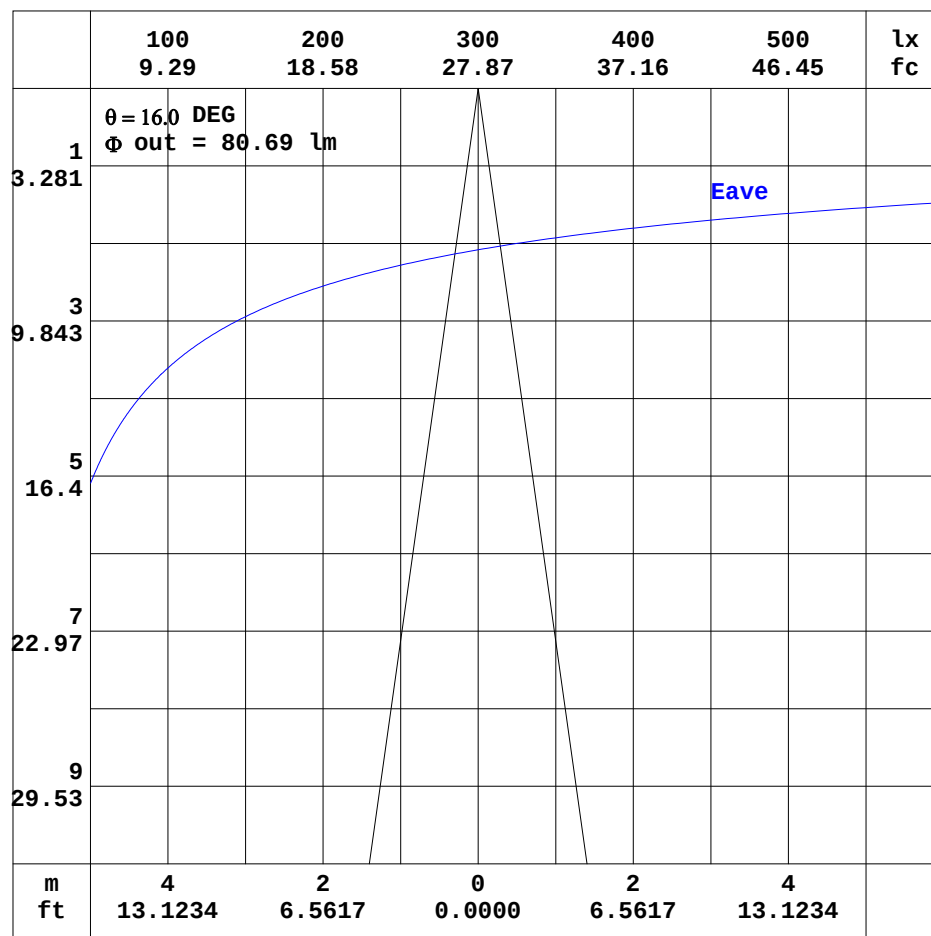


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



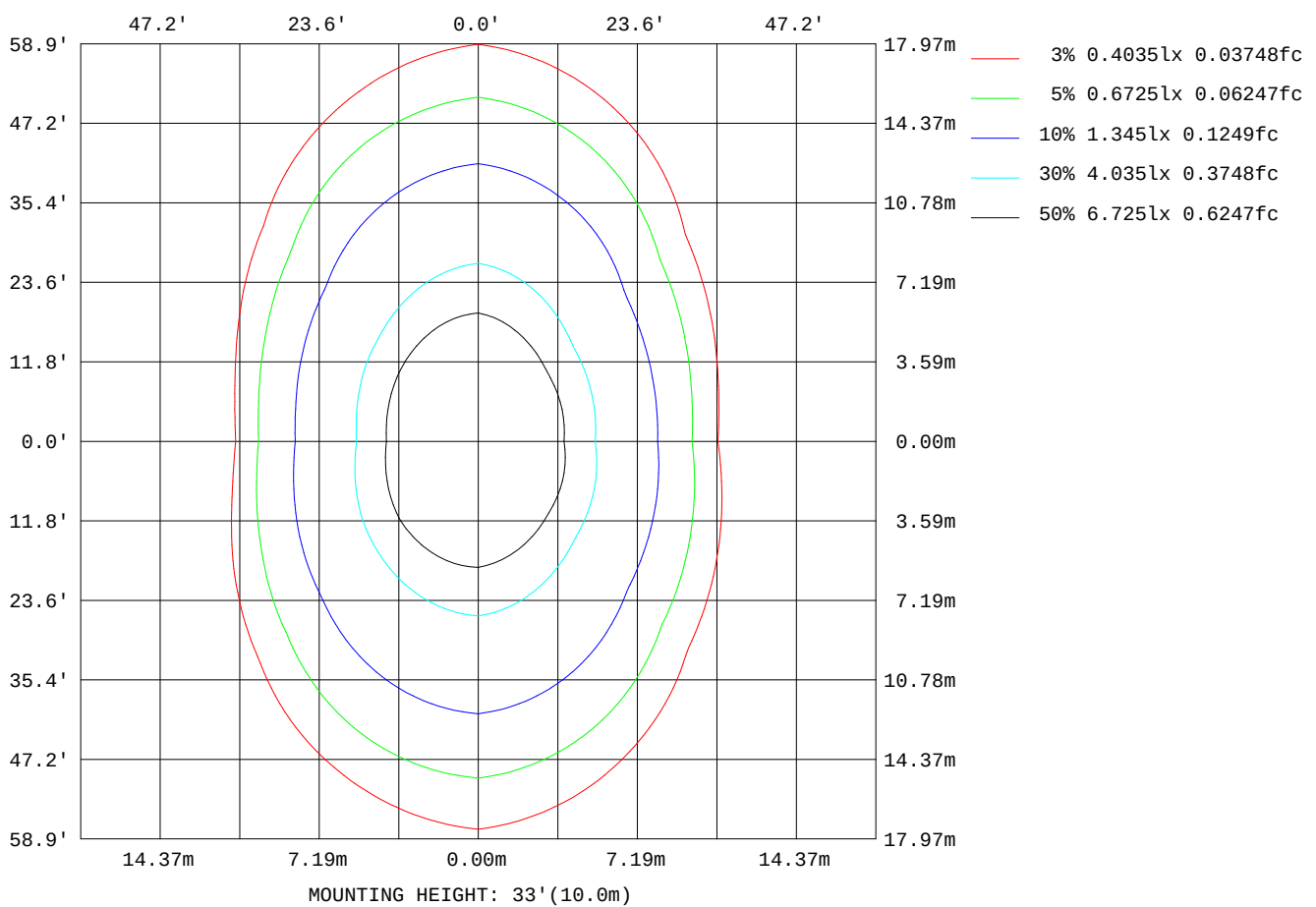
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

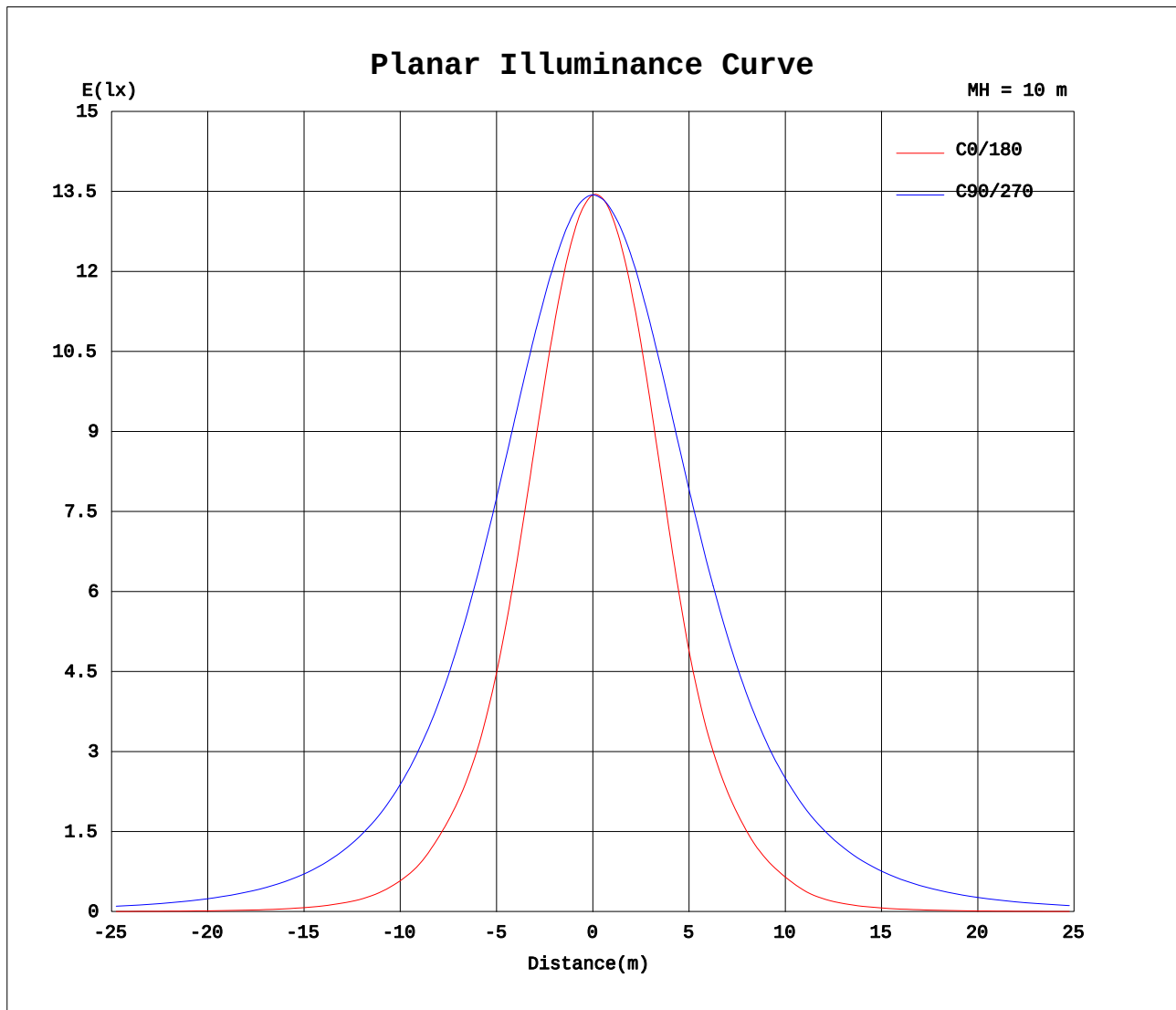
AvgL	cd/m2
L_0~180(65)av	1924
L_0~180(75)av	712
L_0~180(85)av	940
L_90~270(65)av	38054
L_90~270(75)av	25716
L_90~270(85)av	8992
L_45(65)av	7733
L_45(75)av	1454
L_45(85)av	1492

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344
5	1300	1301	1303	1304	1306	1308	1309	1311	1313	1315	1317	1319	1321	1323	1325	1327	1329	1331	1333
10	1201	1206	1211	1216	1221	1226	1231	1237	1242	1247	1254	1260	1266	1273	1279	1285	1290	1295	1300
15	1055	1065	1074	1084	1094	1104	1115	1125	1136	1147	1160	1174	1187	1200	1212	1224	1235	1244	1252
20	874	889	904	920	935	951	968	985	1002	1019	1041	1064	1086	1107	1127	1146	1163	1178	1190
25	683	701	719	739	759	779	801	823	846	869	901	933	964	995	1024	1050	1074	1095	1111
30	511	528	546	566	586	609	632	657	683	710	750	791	831	869	906	940	971	997	1017
35	377	389	403	420	438	459	481	506	533	561	606	651	697	741	784	823	857	887	910
40	263	273	284	298	315	333	354	378	404	432	478	525	572	618	662	703	739	769	793
45	164	173	184	197	213	231	251	274	298	326	370	416	462	507	549	588	623	652	674
50	93.5	101	111	123	137	153	171	191	214	238	279	321	363	404	443	479	510	537	557
55	52.2	55.9	61.7	69.6	79.7	91.8	106	122	141	162	197	234	271	307	341	373	401	425	443
60	28.0	26.8	27.8	30.9	36.2	43.6	53.2	65.0	78.9	95.0	125	156	188	219	249	277	301	322	337
65	14.2	10.4	8.45	8.50	10.5	14.5	20.4	28.3	38.1	49.9	73.5	98.4	124	149	173	195	215	232	245
70	5.70	1.40	0.24	0.22	0.20	0.18	3.08	8.04	14.6	22.6	39.6	57.6	76.1	94.4	112	129	143	155	165
75	3.02	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.68	5.43	16.4	28.0	40.1	52.1	63.7	74.6	84.3	92.5	98.8
80	2.09	0.13	0.15	0.15	0.16	0.16	0.17	0.17	0.73	2.90	7.91	13.3	18.8	24.3	29.7	34.7	39.2	42.9	45.8
85	1.31	1.03	0.84	0.74	0.72	0.79	0.94	1.18	1.51	1.92	2.81	3.77	4.75	5.73	6.67	7.55	8.34	9.00	9.51
90	0.96	1.16	1.33	1.48	1.59	1.68	1.74	1.77	1.77	1.74	1.58	1.40	1.20	1.00	0.81	0.62	0.45	0.31	0.20
95	0.81	0.72	0.83	0.95	1.04	1.12	1.18	1.22	1.23	1.37	1.79	2.24	2.70	3.16	3.61	4.04	4.43	4.77	5.05
100	1.32	0.76	0.59	0.68	0.75	0.81	0.86	0.90	1.49	2.25	3.92	5.70	7.53	9.36	11.1	12.8	14.3	15.6	16.6
105	1.89	0.80	0.42	0.48	0.53	0.57	0.61	0.90	2.02	3.45	6.58	9.93	13.4	16.8	20.2	23.3	26.2	28.6	30.5
110	3.53	1.84	0.65	0.42	0.46	0.50	0.69	1.91	3.61	5.79	10.4	15.3	20.4	25.6	30.7	35.5	40.0	43.9	47.2
115	5.38	4.35	3.85	3.87	4.41	5.47	7.04	9.14	11.8	14.9	19.9	25.3	31.0	36.9	43.0	49.1	55.1	61.0	66.5
120	8.19	16.3	24.0	31.3	38.1	44.5	50.5	56.0	61.0	65.7	68.7	71.3	73.7	76.0	78.1	80.3	82.6	85.1	87.9
125	18.5	39.7	58.9	76.3	91.8	105	117	127	135	141	141	139	136	132	127	123	118	114	110
130	75.2	94.4	112	127	141	152	162	170	176	180	178	174	169	163	156	150	143	138	133
135	193	194	195	196	197	197	196	195	194	192	187	183	178	173	169	165	161	158	156
140	241	235	230	225	220	216	212	208	204	200	196	192	188	185	182	180	178	177	176
145	247	242	238	233	229	225	221	218	214	211	208	205	203	201	199	197	196	195	195
150	243	239	236	233	231	228	226	223	221	220	218	216	215	214	213	212	212	212	211
155	246	243	240	237	235	233	231	229	228	226	226	225	225	225	225	225	225	225	226
160	245	243	242	240	239	238	237	236	236	235	235	235	235	236	236	236	237	237	237
165	248	248	248	248	248	247	247	247	247	247	247	247	247	247	247	247	247	247	247
170	259	259	259	259	258	258	258	258	257	257	257	257	256	256	256	255	255	255	254
175	263	263	263	263	263	263	263	262	262	262	262	261	261	261	260	260	259	259	259
180	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344
5	1335	1337	1339	1341	1343	1344	1345	1346	1347	1345	1344	1342	1340	1338	1336	1334	1332	1330	1330
10	1303	1306	1308	1310	1311	1312	1312	1311	1309	1305	1299	1293	1288	1282	1276	1271	1266	1262	1263
15	1256	1258	1259	1258	1256	1253	1249	1243	1236	1225	1213	1200	1188	1176	1165	1155	1146	1139	1142
20	1193	1193	1190	1185	1178	1169	1158	1145	1131	1109	1087	1065	1043	1022	1003	985	971	959	965
25	1112	1108	1100	1088	1074	1056	1036	1014	990	959	927	895	864	834	807	783	763	748	757
30	1013	1003	988	968	945	918	888	857	824	787	751	715	680	648	618	593	572	556	565
35	900	884	862	835	803	769	732	693	654	618	583	549	517	488	462	439	421	408	414
40	779	759	733	701	665	626	586	543	501	467	435	404	375	350	327	308	294	283	288
45	660	639	611	579	543	504	463	421	379	348	318	289	264	241	221	204	192	183	188
50	543	523	498	467	433	397	359	319	280	250	222	195	170	149	130	114	102	94.0	98.7
55	430	412	389	362	332	299	265	231	196	172	148	127	107	90.0	75.2	63.2	54.2	48.3	51.5
60	325	307	285	260	233	203	173	143	114	96.7	81.3	67.7	56.0	46.0	38.0	32.0	27.9	25.8	26.1
65	233	218	199	177	154	129	104	79.8	56.2	45.2	35.8	28.2	22.0	17.4	14.1	12.1	11.4	11.8	10.5
70	156	144	130	114	96.9	78.9	60.6	42.7	25.7	18.9	13.5	9.29	6.27	4.29	3.25	3.04	3.55	4.67	3.07
75	92.7	84.6	75.1	64.3	52.7	40.7	28.7	17.0	5.99	2.73	0.46	0.16	0.15	0.14	0.13	0.12	1.38	2.87	1.13
80	43.0	39.3	34.9	30.0	24.6	19.1	13.6	8.20	3.16	1.66	0.62	0.24	0.22	0.21	0.19	0.47	1.07	1.75	0.86
85	9.05	8.43	7.68	6.84	5.92	4.97	4.01	3.07	2.18	1.85	1.59	1.40	1.28	1.20	1.17	1.19	1.23	1.31	1.12
90	0.36	0.55	0.77	1.00	1.24	1.48	1.71	1.92	2.10	2.03	1.94	1.82	1.69	1.55	1.40	1.26	1.14	1.03	1.12
95	4.96	4.80	4.58	4.33	4.03	3.72	3.39	3.06	2.73	2.54	2.37	2.22	2.09	1.98	1.89	1.82	1.77	1.74	1.79
100	15.9	14.9	13.7	12.3	10.7	9.13	7.50	5.89	4.36	3.76	3.29	2.94	2.68	2.51	2.43	2.42	2.47	2.57	2.50
105	29.1	27.2	24.9	22.2	19.3	16.2	13.1	10.1	7.19	6.11	5.25	4.61	4.17	3.90	3.78	3.80	3.93	4.16	4.02
110	46.4	44.8	42.7	40.0	36.9	33.5	29.9	26.2	22.5	19.7	17.1	14.7	12.4	10.5	8.80	7.46	6.50	5.94	7.04
115	71.6	76.3	80.4	83.8	86.5	88.3	89.2	89.0	87.8	79.2	69.7	59.8	49.7	39.8	30.5	22.2	15.1	9.73	16.2
120	96.0	104	112	120	127	133	137	140	142	130	117	103	88.7	74.4	60.6	48.1	37.3	28.7	37.1
125	116	122	129	136	143	150	156	162	167	163	159	154	149	143	137	132	127	123	127
130	136	140	146	152	158	165	172	179	186	190	193	197	199	201	203	204	205	205	204
135	158	162	166	171	176	182	188	194	199	204	208	212	215	218	221	223	224	225	223
140	178	180	183	186	190	194	198	203	207	212	216	221	224	228	231	234	236	237	235
145	196	197	199	201	203	206	209	212	215	219	223	228	231	235	238	241	243	244	242
150	212	212	212	213	214	215	216	218	219	223	226	229	232	235	238	240	242	244	242
155	226	225	225	225	225	226	226	226	227	229	231	233	235	237	239	240	241	242	241
160	237	237	237	236	236	236	236	235	235	236	236	237	238	238	239	239	240	240	240
165	247	246	246	245	245	245	244	244	244	244	244	244	244	244	244	244	244	244	244
170	254	253	253	253	252	252	251	251	251	250	250	250	250	249	249	249	249	249	249
175	258	258	258	257	257	257	256	256	256	255	255	255	254	254	254	254	254	254	254
180	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344
5	1330	1330	1331	1331	1332	1333	1334	1334	1335	1336	1337	1337	1337	1337	1337	1337	1336	1333	1329
10	1265	1267	1270	1274	1277	1281	1286	1290	1294	1299	1303	1306	1309	1311	1313	1313	1312	1306	1298
15	1147	1153	1161	1170	1180	1190	1201	1212	1222	1232	1242	1250	1258	1264	1268	1270	1270	1259	1246
20	975	987	1002	1019	1037	1056	1076	1097	1116	1135	1152	1169	1183	1195	1204	1209	1211	1196	1177
25	770	788	809	833	859	887	916	946	976	1005	1033	1058	1081	1101	1117	1128	1133	1113	1088
30	579	598	621	647	677	709	743	777	817	856	893	929	961	990	1013	1031	1041	1018	987
35	426	442	462	486	513	543	576	610	656	702	747	791	831	867	898	922	938	912	878
40	298	312	329	351	376	404	434	468	516	565	614	661	705	744	778	806	825	798	764
45	196	209	225	245	268	294	323	355	402	450	498	544	588	627	661	688	708	683	650
50	107	120	136	155	178	203	231	261	304	349	394	437	477	513	545	570	589	566	536
55	57.9	67.5	80.0	95.3	113	134	156	181	220	259	299	337	373	406	435	458	474	454	427
60	28.3	32.7	39.2	47.8	58.6	71.6	86.8	104	137	172	207	241	273	303	329	351	367	349	327
65	10.3	11.5	14.1	18.3	24.1	31.7	41.2	52.8	79.4	107	136	164	191	216	238	256	270	256	237
70	2.11	1.94	2.68	4.47	7.46	11.8	17.5	24.9	44.3	64.8	85.8	107	127	145	162	176	186	176	162
75	0.15	0.18	0.20	0.23	0.25	0.28	2.44	6.17	18.8	32.4	46.3	60.2	73.7	86.2	97.5	107	114	107	97.7
80	0.19	0.22	0.24	0.27	0.29	0.32	1.31	3.15	9.49	16.3	23.2	30.2	37.0	43.3	48.9	53.6	57.3	53.7	49.0
85	0.97	0.87	0.83	0.87	1.01	1.26	1.64	2.15	3.74	5.43	7.17	8.90	10.6	12.1	13.5	14.7	15.6	14.7	13.5
90	1.24	1.36	1.49	1.62	1.74	1.84	1.93	1.98	1.80	1.59	1.36	1.12	0.89	0.66	0.45	0.27	0.12	0.24	0.40
95	1.85	1.94	2.04	2.15	2.27	2.39	2.52	2.66	2.80	2.93	3.05	3.17	3.27	3.35	3.41	3.44	3.44	3.31	3.14
100	2.47	2.50	2.59	2.76	3.00	3.33	3.74	4.26	5.54	6.89	8.26	9.60	10.9	12.1	13.1	13.9	14.5	13.6	12.5
105	3.97	4.03	4.20	4.51	4.96	5.58	6.37	7.35	9.81	12.4	15.0	17.6	20.1	22.3	24.3	25.9	27.0	25.4	23.3
110	8.53	10.4	12.5	14.8	17.3	20.0	22.7	25.5	28.4	31.3	33.9	36.4	38.5	40.3	41.6	42.3	42.5	39.5	36.0
115	24.2	33.5	43.6	54.2	64.9	75.3	85.0	93.7	94.0	92.9	90.7	87.5	83.4	78.6	73.2	67.4	61.3	56.0	50.7
120	47.8	60.1	73.6	87.6	102	115	128	139	137	134	128	122	115	107	98.4	90.2	82.1	80.3	78.9
125	131	136	142	147	152	157	161	163	158	152	145	138	130	123	116	110	104	109	114
130	203	201	199	196	193	190	186	182	175	167	160	153	146	140	135	130	127	132	138
135	221	218	215	211	207	202	198	193	187	181	175	169	164	159	155	151	149	151	154
140	232	229	225	221	216	211	206	201	196	192	187	183	179	176	173	171	169	170	172
145	239	236	232	227	223	218	213	208	205	202	199	196	194	192	191	189	189	190	191
150	239	237	233	230	226	223	219	216	214	212	210	209	208	207	207	207	207	207	208
155	239	238	236	233	231	229	227	225	224	223	223	222	222	222	222	222	222	222	222
160	239	239	238	238	237	236	235	235	235	235	235	235	235	235	235	235	236	236	236
165	243	243	243	243	243	243	243	243	243	243	244	244	245	245	245	246	247	247	248
170	249	249	249	249	249	249	250	250	250	251	251	252	252	253	253	254	254	255	255
175	254	254	254	254	255	255	255	255	256	256	256	257	257	257	258	258	258	259	259
180	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257

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:0.2000A P:23.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2540.04x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 3500K	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	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344				
5	1326	1322	1318	1315	1311	1307	1304	1302	1301	1300	1299	1298	1298	1298	1299				
10	1289	1280	1270	1260	1250	1241	1231	1225	1220	1216	1212	1208	1206	1204	1202				
15	1231	1215	1198	1180	1162	1144	1126	1115	1104	1094	1086	1078	1071	1065	1059				
20	1155	1130	1104	1077	1049	1021	993	975	958	942	928	915	903	892	882				
25	1059	1026	991	954	915	877	840	816	793	772	753	735	720	706	693				
30	951	911	867	821	774	728	682	653	627	604	582	563	546	532	520				
35	838	793	744	693	641	589	538	508	481	457	436	419	404	392	383				
40	723	676	626	573	519	465	413	384	357	334	314	297	284	274	267				
45	611	567	518	467	415	364	313	285	259	236	216	200	186	176	168				
50	501	460	416	370	322	275	229	203	180	159	141	126	114	104	97.4				
55	395	359	320	279	237	196	155	133	114	96.8	82.7	71.2	62.4	56.3	52.9				
60	299	268	234	199	163	127	93.5	75.9	60.9	48.4	38.6	31.3	26.6	24.5	25.0				
65	215	190	162	134	105	77.1	50.3	37.2	26.3	17.8	11.5	7.48	5.76	6.32	9.15				
70	145	126	106	85.2	64.1	43.4	23.8	14.7	7.30	1.71	0.31	0.31	0.30	0.30	0.59				
75	86.6	74.1	60.7	46.7	32.8	19.2	6.49	0.93	0.28	0.28	0.27	0.25	0.24	0.22	0.20				
80	43.4	37.1	30.3	23.3	16.3	9.49	3.12	0.37	0.29	0.28	0.26	0.24	0.22	0.19	0.16				
85	12.1	10.6	8.87	7.13	5.38	3.67	2.07	1.35	0.80	0.40	0.30	0.28	0.25	0.38	0.77				
90	0.58	0.79	1.00	1.22	1.43	1.63	1.80	1.84	1.84	1.80	1.74	1.65	1.52	1.36	1.18				
95	2.96	2.75	2.54	2.31	2.09	1.86	1.64	1.50	1.37	1.26	1.15	1.06	0.98	0.91	0.85				
100	11.2	9.81	8.28	6.71	5.13	3.60	2.17	1.51	0.98	0.74	0.71	0.67	0.62	0.55	0.85				
105	20.8	18.1	15.2	12.2	9.19	6.28	3.54	2.27	1.28	0.55	0.46	0.44	0.41	0.38	0.99				
110	32.0	27.7	23.3	18.8	14.3	9.98	5.98	4.02	2.47	1.36	0.66	0.39	0.54	1.12	2.11				
115	45.3	39.9	34.6	29.5	24.7	20.1	15.9	13.0	10.5	8.46	6.86	5.70	4.97	4.67	4.81				
120	77.8	76.8	75.9	74.9	73.7	72.1	70.1	65.6	60.6	54.9	48.6	41.7	34.2	26.2	17.5				
125	119	125	130	135	139	141	142	137	129	119	107	93.4	77.6	59.9	40.2				
130	145	152	159	166	172	176	179	175	169	162	152	140	127	112	94.3				
135	158	163	167	173	178	183	188	190	192	193	194	195	195	194	194				
140	175	178	181	185	189	194	198	202	207	211	216	220	225	230	235				
145	193	195	197	200	203	207	210	214	217	221	225	229	233	238	242				
150	208	209	211	212	214	216	218	220	222	225	227	230	233	236	239				
155	223	223	223	224	224	225	226	228	229	231	233	235	238	240	243				
160	236	236	237	237	237	237	238	238	239	240	241	241	242	243	244				
165	249	249	250	251	251	252	252	252	252	252	251	251	250	250	249				
170	256	257	257	258	258	259	259	259	260	260	260	260	260	260	259				
175	260	260	261	261	262	262	262	263	263	263	263	263	263	263	263				
180	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257				

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: