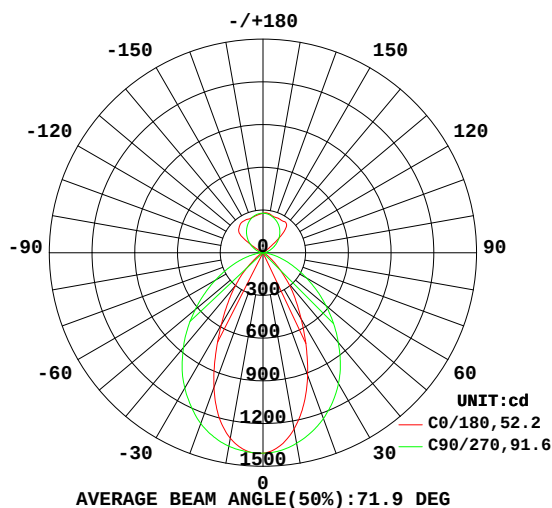


LUMINAIRE PHOTOMETRIC TEST REPORT

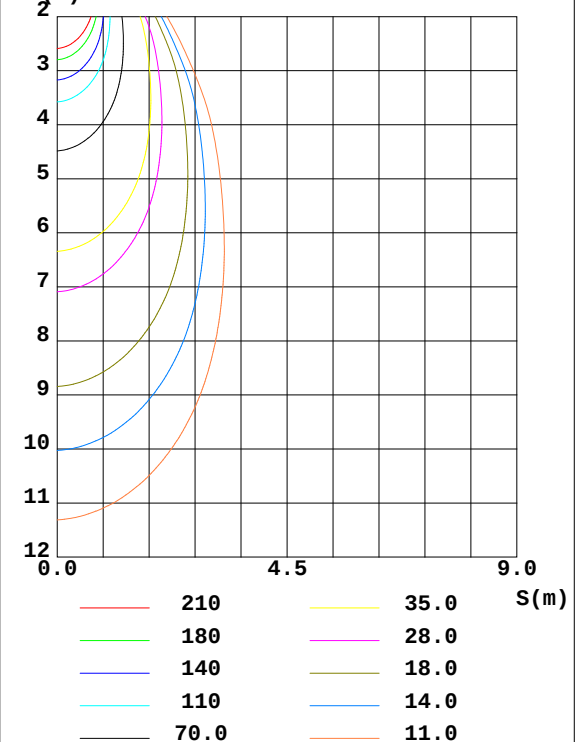
Test:U:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.66 lm/W			
MODEL	上下发光	I _{max} (cd)	1415	S/MH(C0/180)	0.78
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2675.6	η UP, DN(C0-180)	12.9, 37.0
NOMINAL FLUX(lm)	2675.63	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.9, 37.3
LAMPS INSIDE	1	η up(%)	25.8	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	74.2	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:

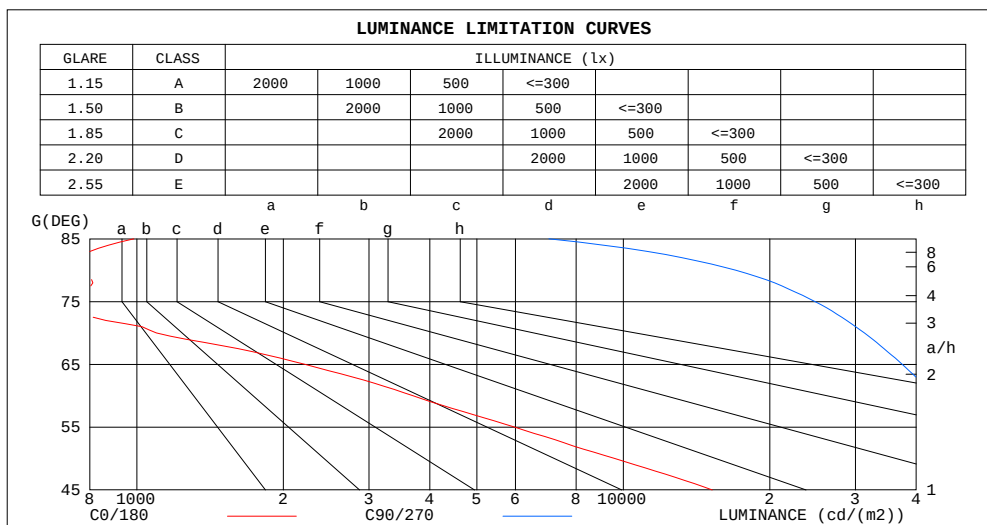
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1257	1304	1358	1371	1323	1353	1380	1292	0- 10	130.7	130.7	4.88, 4.88
20	916.0	1062	1240	1181	1007	1156	1277	1044	10- 20	345.9	476.5	17.8, 17.8
30	536.9	741.0	1060	860.9	587.1	823.0	1099	718.7	20- 30	440.4	917.0	34.3, 34.3
40	276.4	451.1	822.7	526.0	299.5	495.3	869.6	437.2	30- 40	410.8	1328	49.6, 49.6
50	98.65	249.2	577.3	293.5	98.96	276.5	621.2	242.7	40- 50	315.7	1643	61.4, 61.4
60	29.53	99.17	350.4	119.1	27.00	110.5	387.3	98.98	50- 60	201.7	1845	69, 69
70	6.002	23.61	171.3	26.74	4.875	26.25	196.8	25.20	60- 70	98.63	1944	72.6, 72.6
80	2.179	3.033	47.30	3.278	1.834	3.300	60.66	3.275	70- 80	36.02	1980	74, 74
90	0.9960	1.808	0.2304	2.139	1.057	2.058	0.1210	1.883	80- 90	6.435	1986	74.2, 74.2
100	1.378	2.323	17.09	4.536	2.713	4.485	15.59	2.310	90-100	3.302	1989	74.4, 74.4
110	3.712	5.976	49.41	23.76	6.237	27.43	46.05	6.392	100-110	12.45	2002	74.8, 74.8
120	8.691	69.98	92.43	149.2	30.77	149.1	88.51	74.49	110-120	47.79	2050	76.6, 76.6
130	81.26	190.1	139.8	195.6	218.7	193.8	135.6	191.5	120-130	117.1	2167	81, 81
140	258.5	212.5	184.6	217.9	253.5	215.1	180.6	213.4	130-140	152.3	2319	86.7, 86.7
150	262.6	233.7	222.1	232.1	260.8	231.1	220.5	234.8	140-150	142.7	2462	92, 92
160	264.3	250.4	250.6	250.1	257.8	251.7	252.3	255.6	150-160	113.2	2575	96.2, 96.2
170	277.7	274.3	270.6	267.7	266.7	268.4	272.2	277.3	160-170	74.33	2649	99, 99
180	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	170-180	26.26	2676	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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	985	7030
80	784	17024
75	765	24776
70	1097	31294
65	2214	37446
60	3692	43797
55	5973	50109
50	9592	56128
45	15232	61933

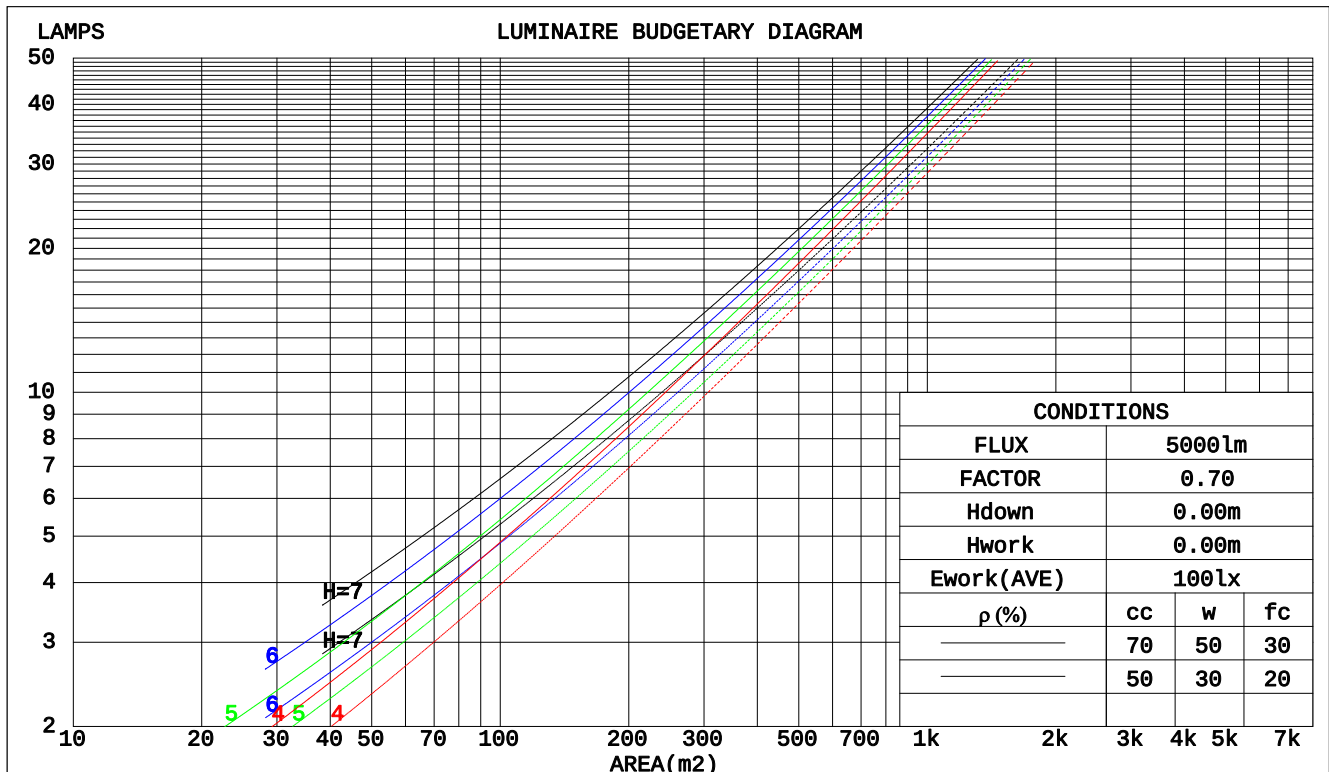
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	.66
2.0	.91	.86	.81	.87	.82	.78	.79	.76	.73	.73	.70	.67	.66	.64	.62	.59
3.0	.82	.75	.70	.78	.73	.68	.72	.67	.64	.66	.62	.59	.61	.58	.55	.52
4.0	.74	.67	.61	.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	.43	.40	.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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	.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	.083	.023	.159	.079	.023	.143	.072	.021	.128	.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	.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	.387	.387	.387	.331	.331	.331	.226	.226	.226	.130	.130	.130	.041	.041	.041	
1.0	.373	.355	.338	.319	.304	.291	.218	.209	.201	.126	.121	.117	.040	.039	.038	
2.0	.363	.331	.305	.311	.285	.264	.213	.197	.184	.123	.115	.108	.039	.037	.035	
3.0	.354	.314	.283	.303	.271	.245	.208	.188	.172	.120	.110	.101	.039	.036	.033	
4.0	.346	.301	.267	.297	.260	.232	.204	.181	.163	.118	.106	.097	.038	.035	.032	
5.0	.339	.291	.255	.291	.252	.222	.201	.176	.157	.116	.103	.093	.037	.034	.031	
6.0	.332	.283	.247	.286	.245	.215	.197	.171	.152	.114	.101	.090	.037	.033	.030	
7.0	.326	.276	.241	.281	.239	.210	.194	.168	.149	.113	.099	.088	.036	.032	.029	
8.0	.321	.270	.236	.276	.235	.206	.191	.165	.146	.111	.097	.087	.036	.032	.029	
9.0	.316	.266	.232	.272	.231	.202	.188	.162	.144	.110	.096	.086	.036	.031	.028	
10.0	.311	.262	.229	.268	.227	.200	.186	.160	.142	.108	.094	.085	.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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm											
NAME: 12代 2FT 黑色					TYPE:25W 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		16.8	17.8	17.4	18.3	19.0	24.3	25.3	24.9	25.9	26.5
	3H	16.5	17.4	17.1	18.0	18.7	25.2	26.1	25.8	26.7	27.4
	4H	16.4	17.2	17.0	17.8	18.6	25.5	26.3	26.1	27.0	27.7
	6H	16.2	17.0	16.9	17.7	18.4	25.6	26.4	26.3	27.0	27.8
	8H	16.2	16.9	16.8	17.6	18.3	25.6	26.3	26.3	27.0	27.8
	12H	16.1	16.8	16.8	17.5	18.2	25.5	26.3	26.2	26.9	27.7
4H	2H	17.4	18.2	18.0	18.9	19.6	24.0	24.9	24.6	25.5	26.2
	3H	17.1	17.8	17.8	18.5	19.3	25.0	25.7	25.7	26.4	27.2
	4H	17.0	17.6	17.7	18.3	19.1	25.3	26.0	26.1	26.7	27.5
	6H	16.8	17.4	17.6	18.1	18.9	25.5	26.1	26.3	26.8	27.7
	8H	16.7	17.3	17.5	18.0	18.9	25.5	26.1	26.3	26.8	27.7
	12H	16.7	17.1	17.4	17.9	18.8	25.5	26.0	26.3	26.7	27.6
8H	4H	17.1	17.6	17.8	18.3	19.2	25.1	25.6	25.9	26.4	27.3
	6H	16.9	17.3	17.7	18.1	19.0	25.3	25.8	26.1	26.5	27.4
	8H	16.8	17.2	17.6	18.0	18.9	25.4	25.7	26.2	26.5	27.5
	12H	16.7	17.1	17.6	17.9	18.8	25.3	25.6	26.1	26.4	27.4
12H	4H	17.0	17.5	17.8	18.3	19.2	25.1	25.5	25.8	26.3	27.2
	6H	16.9	17.3	17.7	18.0	19.0	25.3	25.6	26.1	26.4	27.4
	8H	16.8	17.1	17.6	17.9	18.9	25.3	25.6	26.1	26.4	27.4
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 / - 4.6					+ 1.9 / - 2.6				

CIE Pub.117 Corrected 2676 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

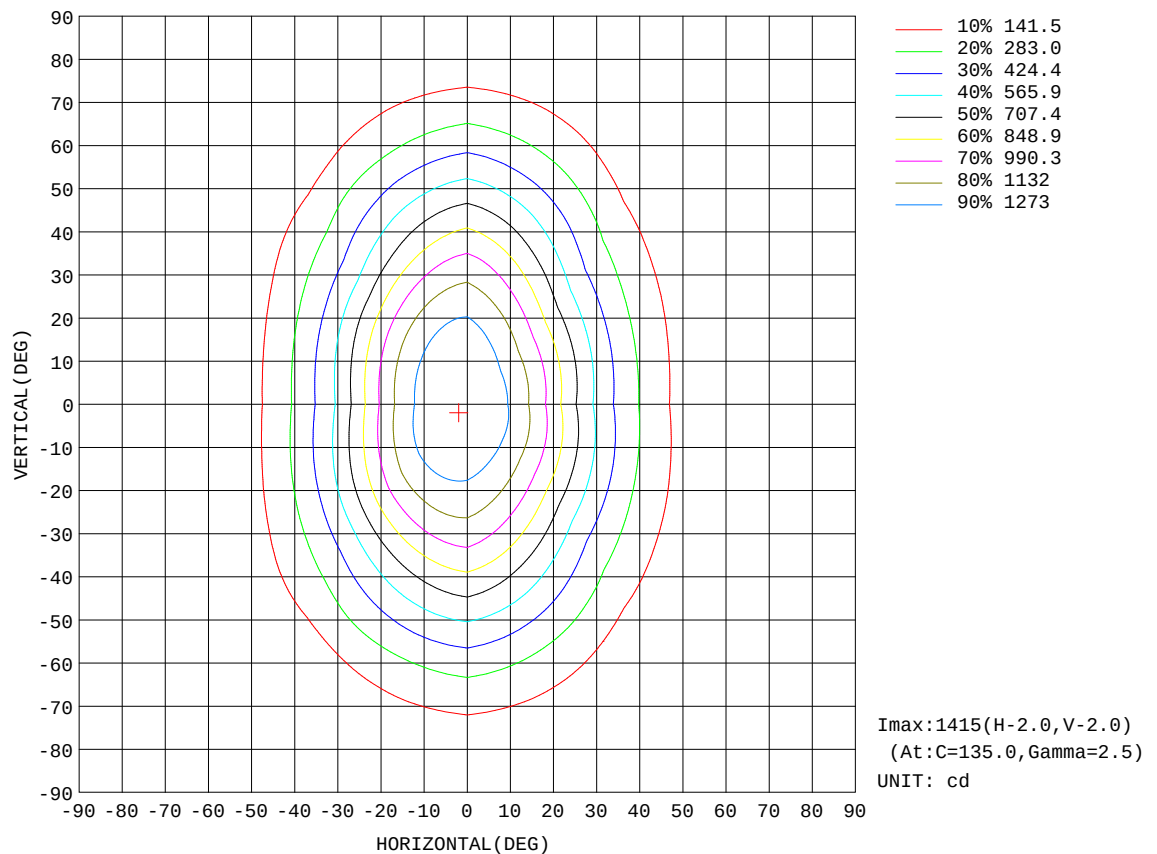
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	45	59	50	45	56	48	44	37
0.80	70	60	54	68	59	53	64	56	52	44
1.00	77	68	62	74	66	61	70	64	58	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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

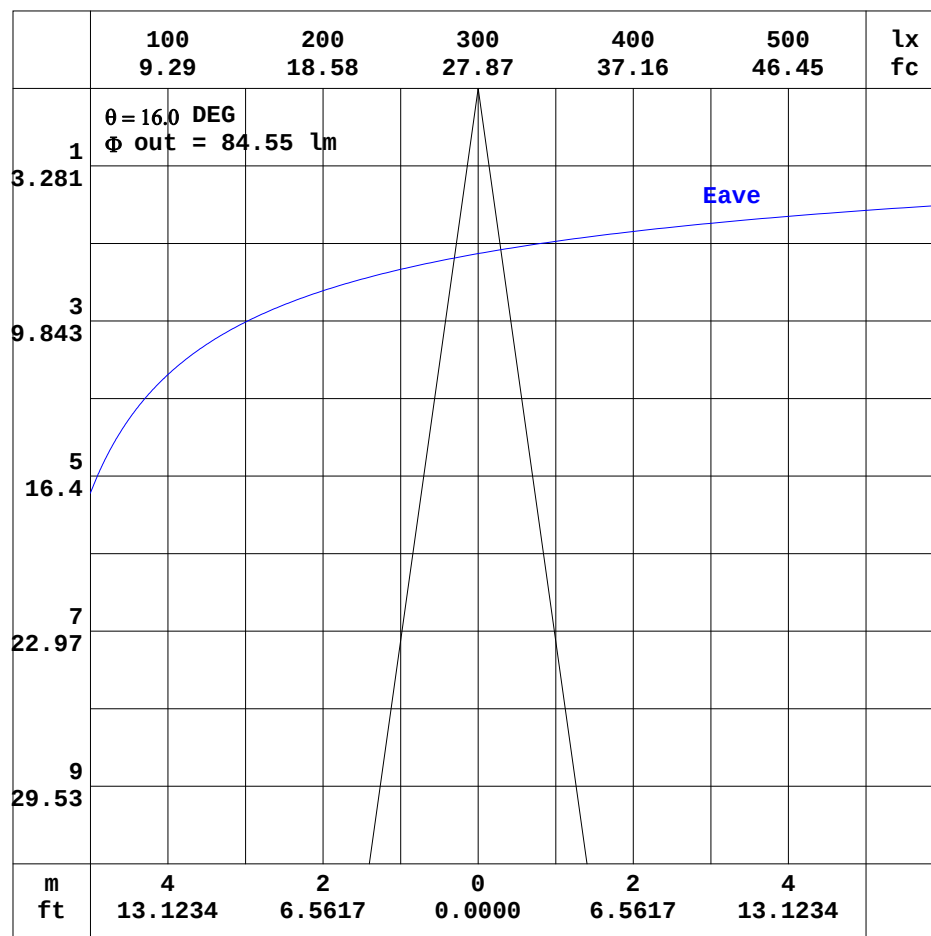


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



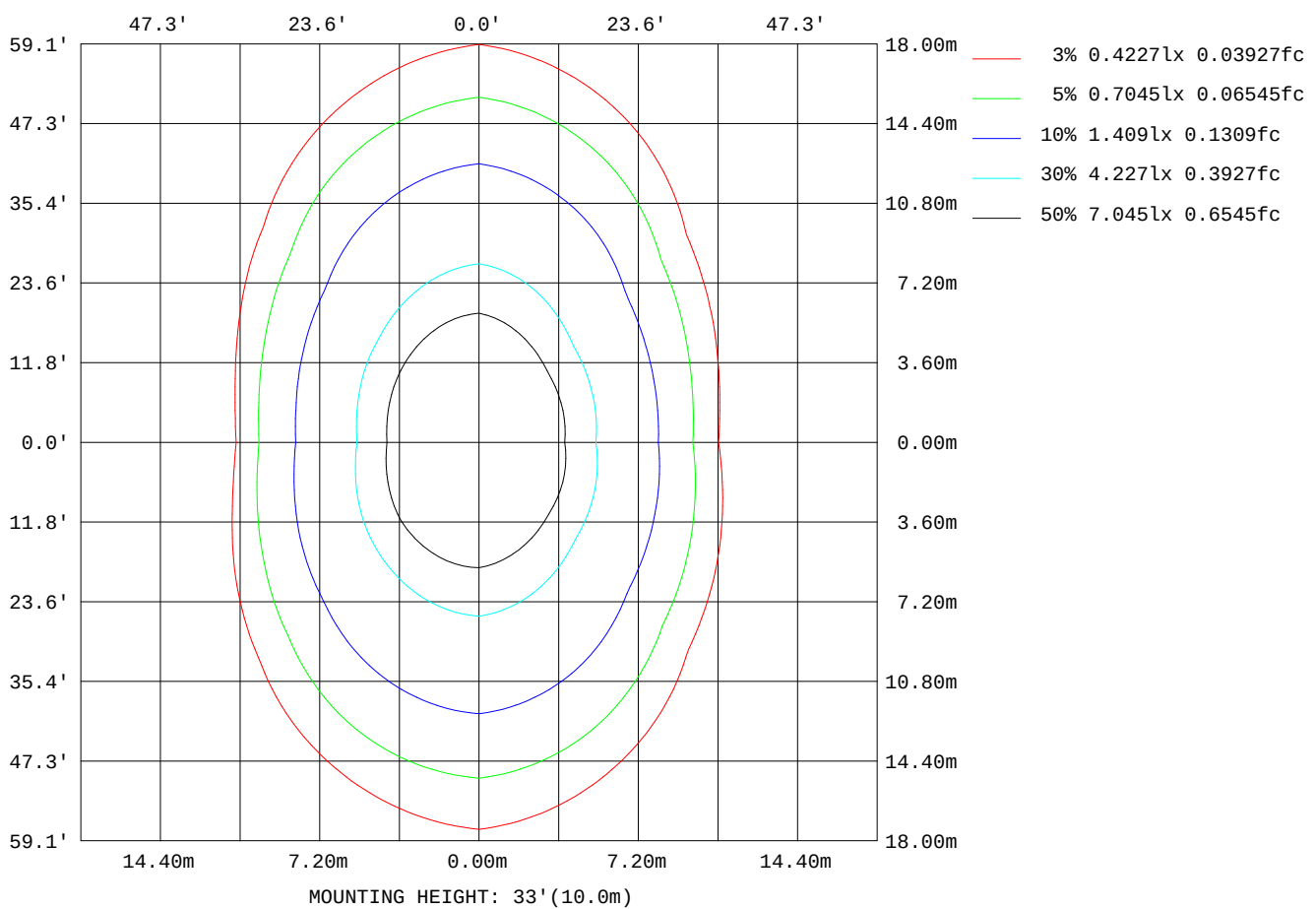
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

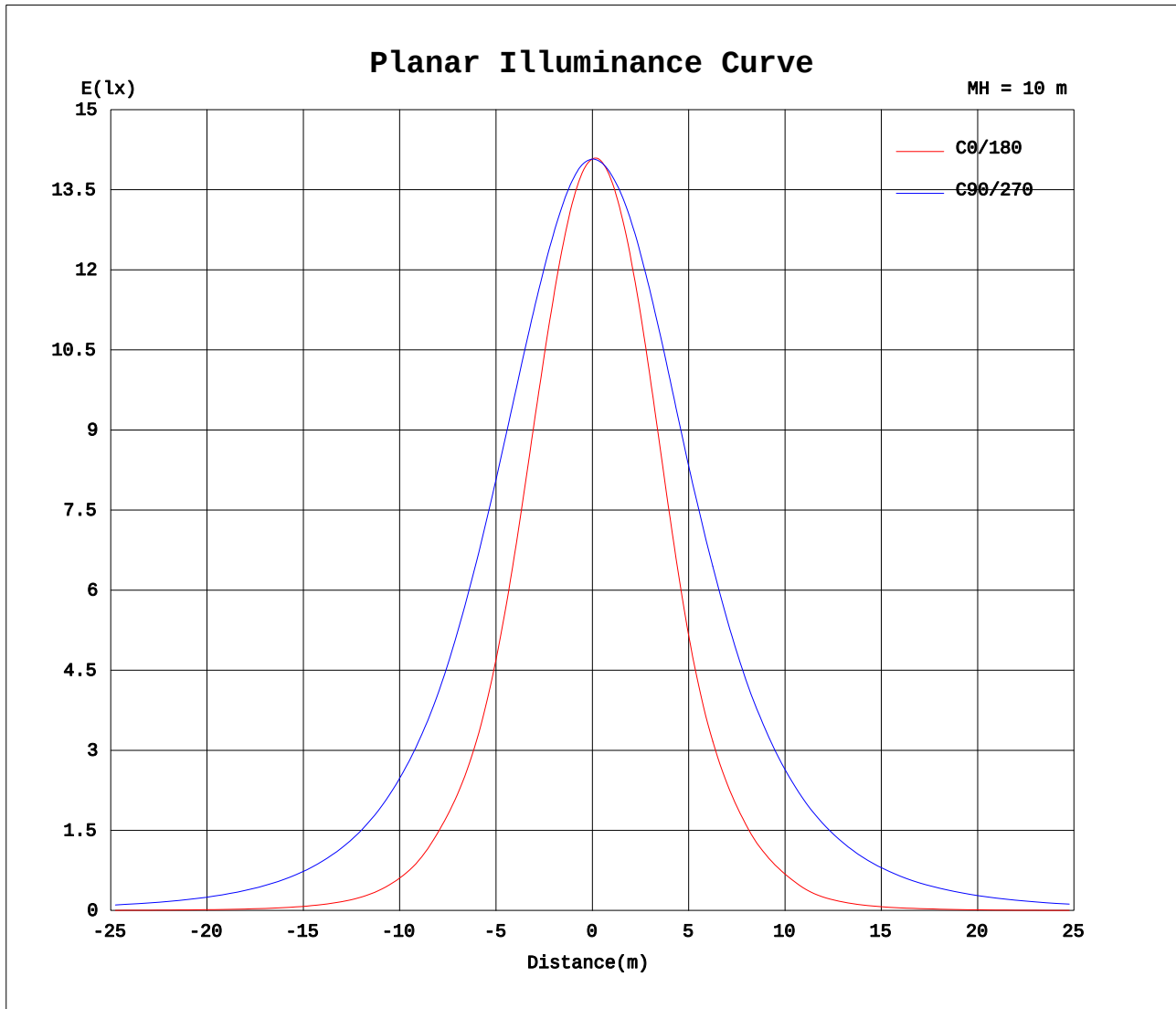
AvgL	cd/m2
L_0~180(65)av	2018
L_0~180(75)av	747
L_0~180(85)av	977
L_90~270(65)av	39804
L_90~270(75)av	26980
L_90~270(85)av	9475
L_45(65)av	8131
L_45(75)av	1523
L_45(85)av	1553

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408
5	1362	1363	1365	1367	1368	1370	1372	1373	1375	1377	1379	1381	1383	1385	1387	1389	1391	1393	1395
10	1257	1262	1267	1272	1277	1282	1288	1293	1299	1304	1311	1317	1324	1330	1337	1343	1348	1354	1358
15	1104	1114	1124	1133	1143	1154	1164	1175	1186	1197	1211	1225	1238	1252	1264	1277	1288	1298	1306
20	916	931	946	961	977	993	1010	1027	1044	1062	1085	1108	1131	1153	1174	1194	1211	1227	1240
25	716	734	753	772	793	814	835	858	881	905	938	971	1004	1035	1065	1093	1118	1139	1157
30	537	554	572	592	614	636	660	686	713	741	782	824	866	906	944	980	1012	1039	1060
35	396	409	423	440	459	480	504	529	556	586	632	680	727	773	817	857	893	924	948
40	276	286	298	313	330	349	371	395	422	451	498	547	596	643	688	730	767	798	823
45	172	182	193	207	224	242	263	287	313	341	387	434	481	528	571	612	648	678	701
50	98.7	107	117	129	144	161	179	201	224	249	291	334	378	420	460	497	529	556	577
55	54.8	58.8	64.9	73.2	83.7	96.4	111	128	147	169	206	243	282	319	355	388	417	441	460
60	29.5	28.3	29.4	32.6	38.1	45.9	55.9	68.1	82.5	99.2	130	163	195	228	259	287	313	334	350
65	15.0	11.0	9.10	9.20	11.3	15.4	21.6	29.8	40.0	52.2	76.6	102	128	154	179	202	223	240	253
70	6.00	1.55	0.25	0.23	0.21	0.19	3.33	8.49	15.3	23.6	41.3	60.0	79.1	98.2	117	134	149	162	171
75	3.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.75	5.68	17.0	29.1	41.6	54.1	66.2	77.5	87.6	96.1	103
80	2.18	0.13	0.15	0.16	0.16	0.17	0.17	0.17	0.80	3.03	8.21	13.7	19.4	25.1	30.7	35.8	40.4	44.3	47.3
85	1.37	1.09	0.89	0.78	0.76	0.83	0.99	1.23	1.57	1.99	2.91	3.89	4.90	5.91	6.88	7.78	8.59	9.28	9.80
90	1.00	1.20	1.38	1.53	1.65	1.74	1.80	1.83	1.84	1.81	1.64	1.46	1.26	1.05	0.85	0.66	0.49	0.34	0.23
95	0.83	0.77	0.87	0.99	1.09	1.17	1.23	1.27	1.29	1.50	1.91	2.34	2.78	3.23	3.66	4.07	4.44	4.77	5.04
100	1.38	0.80	0.62	0.71	0.79	0.86	0.91	0.94	1.54	2.32	4.03	5.86	7.74	9.62	11.5	13.2	14.7	16.0	17.1
105	2.00	0.87	0.45	0.51	0.56	0.61	0.65	0.98	2.15	3.63	6.88	10.4	13.9	17.5	21.0	24.3	27.2	29.7	31.7
110	3.71	1.93	0.66	0.44	0.48	0.52	0.65	1.92	3.69	5.98	10.8	16.0	21.3	26.7	32.1	37.2	41.8	46.0	49.4
115	5.67	4.61	4.09	4.12	4.70	5.82	7.48	9.69	12.4	15.7	21.0	26.7	32.7	38.9	45.3	51.7	58.0	64.1	70.0
120	8.69	17.4	25.7	33.5	40.7	47.5	53.9	59.7	65.1	70.0	73.1	75.8	78.2	80.4	82.6	84.8	87.1	89.6	92.4
125	19.9	42.0	62.2	80.4	96.6	111	123	133	142	148	148	146	143	139	134	129	124	120	116
130	81.3	101	119	135	149	161	172	180	186	190	188	183	178	172	165	158	151	145	140
135	206	208	209	209	210	209	209	207	206	204	199	194	188	183	178	174	170	166	164
140	259	253	247	241	236	231	226	221	217	213	208	203	199	195	192	189	187	185	185
145	267	261	255	250	245	240	236	232	228	224	221	217	214	212	209	207	206	205	204
150	263	258	255	251	248	244	241	239	236	234	231	229	228	226	225	224	223	222	222
155	265	261	258	255	252	249	247	245	243	241	240	239	238	238	237	237	237	237	238
160	264	262	260	258	256	255	253	252	251	250	250	250	250	250	250	250	250	250	251
165	267	267	266	266	265	265	264	264	264	263	263	263	263	262	262	262	262	262	261
170	278	277	277	277	276	276	275	275	275	274	274	274	273	273	272	272	271	271	271
175	282	282	281	281	281	281	281	280	280	280	279	279	279	278	278	277	277	277	276
180	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408
5	1397	1399	1401	1404	1405	1407	1409	1410	1410	1409	1408	1406	1404	1402	1400	1398	1396	1394	1394
10	1362	1365	1368	1370	1372	1372	1372	1372	1371	1366	1360	1355	1349	1343	1337	1332	1327	1323	1324
15	1310	1313	1314	1313	1312	1309	1304	1299	1293	1281	1269	1256	1244	1232	1221	1210	1202	1195	1198
20	1243	1243	1241	1236	1229	1219	1208	1195	1181	1159	1137	1114	1092	1070	1051	1033	1018	1007	1014
25	1157	1153	1145	1133	1119	1101	1080	1058	1033	1001	969	936	905	875	847	823	803	788	798
30	1056	1045	1030	1009	985	958	927	895	861	823	786	749	713	680	650	624	603	587	597
35	938	921	898	870	838	803	764	725	684	647	611	576	543	513	486	463	444	431	438
40	809	789	762	730	693	654	612	569	526	491	457	425	395	369	345	326	310	300	305
45	686	664	636	603	566	526	484	441	398	365	334	305	278	254	233	216	202	194	199
50	563	543	516	485	451	413	374	334	294	262	232	205	179	156	136	120	107	99.0	104
55	447	428	404	376	345	312	277	241	206	180	156	133	113	94.6	79.1	66.4	56.8	50.7	54.2
60	337	319	296	270	242	212	181	149	119	101	85.3	71.0	58.7	48.3	39.9	33.5	29.2	27.0	27.3
65	241	225	206	184	159	134	108	83.0	58.7	47.3	37.6	29.6	23.2	18.3	14.9	12.8	11.9	12.3	11.0
70	162	150	135	119	101	81.9	63.0	44.4	26.7	19.7	14.0	9.70	6.56	4.50	3.41	3.18	3.71	4.88	3.18
75	96.2	87.9	77.9	66.7	54.7	42.2	29.8	17.6	6.24	2.85	0.50	0.16	0.15	0.14	0.13	0.12	1.46	3.02	1.17
80	44.4	40.6	36.0	30.9	25.4	19.7	14.0	8.48	3.28	1.74	0.67	0.23	0.22	0.20	0.18	0.50	1.12	1.83	0.88
85	9.32	8.69	7.92	7.05	6.11	5.13	4.15	3.18	2.26	1.92	1.66	1.46	1.32	1.24	1.21	1.23	1.27	1.35	1.15
90	0.39	0.58	0.80	1.03	1.27	1.51	1.74	1.96	2.14	2.07	1.98	1.86	1.73	1.58	1.44	1.30	1.17	1.06	1.16
95	4.95	4.80	4.61	4.36	4.09	3.79	3.48	3.16	2.84	2.66	2.49	2.33	2.19	2.08	1.98	1.90	1.85	1.82	1.86
100	16.4	15.3	14.1	12.6	11.1	9.42	7.75	6.10	4.54	3.93	3.45	3.08	2.82	2.65	2.57	2.55	2.61	2.71	2.63
105	30.3	28.3	25.9	23.1	20.1	16.9	13.7	10.5	7.53	6.40	5.50	4.84	4.37	4.08	3.96	3.98	4.12	4.36	4.22
110	48.6	47.0	44.8	42.0	38.8	35.3	31.5	27.6	23.8	20.8	18.1	15.5	13.1	11.0	9.26	7.85	6.82	6.24	7.44
115	75.3	80.2	84.4	88.0	90.8	92.7	93.6	93.4	92.1	83.1	73.1	62.7	52.1	41.8	32.0	23.3	15.9	10.3	17.2
120	101	109	118	126	133	139	144	148	149	137	123	109	93.6	78.5	64.2	51.0	39.7	30.8	39.9
125	122	128	135	143	150	158	164	170	175	172	167	162	157	151	145	139	134	130	134
130	143	148	153	160	167	174	181	188	196	200	204	208	211	213	216	217	218	219	218
135	166	170	174	179	185	191	197	203	209	215	220	224	228	232	235	238	240	241	239
140	186	189	192	195	199	204	208	213	218	223	228	233	238	242	246	249	252	254	251
145	205	207	209	211	214	217	220	223	227	232	237	241	246	250	254	257	260	261	259
150	222	223	223	224	225	227	228	230	232	236	240	243	247	251	254	257	259	261	259
155	237	237	237	237	238	238	239	240	241	243	245	248	251	253	255	257	259	260	259
160	250	250	250	250	250	250	250	250	250	251	252	253	254	255	256	257	257	258	257
165	261	261	261	260	260	260	260	260	260	260	260	260	260	260	261	261	261	261	261
170	270	270	270	269	269	269	268	268	268	267	267	267	267	267	267	267	267	267	267
175	276	276	275	275	275	274	274	274	273	273	273	273	273	272	272	272	272	272	272
180	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408
5	1394	1394	1395	1395	1396	1397	1398	1399	1400	1400	1401	1402	1402	1402	1402	1402	1401	1398	1394
10	1326	1329	1332	1335	1340	1344	1348	1353	1358	1363	1368	1372	1375	1378	1380	1380	1380	1373	1364
15	1204	1211	1219	1229	1240	1251	1262	1274	1285	1296	1307	1316	1324	1331	1335	1338	1338	1326	1312
20	1025	1038	1054	1072	1092	1113	1134	1156	1176	1197	1215	1232	1247	1260	1269	1275	1277	1261	1240
25	812	831	854	880	908	937	968	999	1031	1061	1090	1116	1140	1160	1177	1188	1193	1172	1146
30	612	633	657	686	717	751	786	823	864	905	945	982	1015	1045	1069	1088	1099	1073	1041
35	450	467	489	515	543	575	610	646	694	743	790	836	878	916	948	973	990	962	927
40	315	330	349	372	398	428	460	495	546	598	649	698	744	786	821	850	870	842	806
45	208	222	239	260	285	313	344	377	426	477	527	576	621	663	698	727	747	721	686
50	114	127	144	165	189	215	245	276	323	370	417	462	504	542	576	602	621	598	566
55	61.2	71.5	84.9	101	120	142	166	192	233	275	316	357	394	429	459	483	500	479	451
60	29.8	34.5	41.5	50.7	62.2	76.0	92.1	111	146	182	219	255	289	320	348	370	387	369	345
65	10.9	12.1	14.9	19.3	25.4	33.5	43.6	55.8	83.9	113	143	173	201	228	251	270	285	270	251
70	2.17	1.99	2.77	4.66	7.81	12.4	18.5	26.3	46.8	68.5	90.7	113	134	154	171	186	197	186	171
75	0.16	0.18	0.21	0.23	0.26	0.28	2.54	6.49	19.9	34.2	49.0	63.7	78.0	91.3	103	113	121	113	103
80	0.19	0.22	0.24	0.27	0.30	0.32	1.35	3.30	10.0	17.2	24.6	32.0	39.1	45.8	51.8	56.8	60.7	56.8	51.8
85	0.98	0.87	0.83	0.88	1.02	1.29	1.69	2.24	3.94	5.76	7.62	9.47	11.3	12.9	14.4	15.7	16.6	15.7	14.4
90	1.28	1.41	1.54	1.68	1.80	1.91	2.00	2.06	1.87	1.65	1.41	1.17	0.92	0.68	0.47	0.28	0.12	0.25	0.41
95	1.92	2.01	2.11	2.22	2.35	2.48	2.63	2.77	2.96	3.14	3.31	3.47	3.62	3.74	3.83	3.90	3.92	3.76	3.55
100	2.59	2.62	2.72	2.89	3.14	3.49	3.93	4.48	5.87	7.33	8.81	10.3	11.7	12.9	14.0	14.9	15.6	14.6	13.5
105	4.17	4.24	4.43	4.77	5.27	5.94	6.80	7.86	10.5	13.3	16.2	19.0	21.6	24.1	26.2	27.9	29.2	27.4	25.1
110	9.06	11.0	13.3	15.9	18.6	21.5	24.5	27.4	30.6	33.7	36.7	39.3	41.6	43.6	45.0	45.8	46.0	42.8	39.0
115	25.8	35.8	46.6	57.9	69.3	80.4	90.8	100	100	99.3	97.0	93.7	89.4	84.3	78.7	72.5	66.0	60.4	54.6
120	51.3	64.5	78.9	94.0	109	124	137	149	147	143	138	131	123	115	106	97.1	88.5	86.5	84.8
125	139	145	150	156	162	167	171	175	169	163	155	148	140	132	124	118	112	116	122
130	217	215	213	210	206	203	198	194	186	179	171	163	156	150	144	139	136	141	148
135	237	234	230	226	221	216	211	206	199	193	186	180	175	169	165	161	159	161	165
140	249	245	241	236	231	226	221	215	210	205	200	196	191	188	185	182	181	182	184
145	256	252	248	244	239	234	229	224	220	216	213	210	207	205	203	202	201	202	204
150	257	254	250	247	243	239	235	231	229	227	225	224	223	222	221	221	220	221	222
155	257	256	253	251	249	246	244	241	240	239	239	238	238	237	237	237	238	238	238
160	257	256	256	255	254	253	252	252	252	251	251	251	251	252	252	252	252	252	253
165	261	261	261	261	261	261	261	260	261	261	261	261	262	262	263	263	264	264	266
170	267	267	267	267	268	268	268	268	269	269	269	270	270	271	271	272	272	273	273
175	272	273	273	273	273	274	274	274	274	275	275	275	276	276	276	277	277	277	278
180	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276

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:119.9V I:0.2050A P:24.40W PF:0.9900 Freq:60.00Hz Lamp Flux:2675.63x1 lm		
NAME: 12代 2FT 黑色	TYPE:25W 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	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408				
5	1391	1387	1383	1379	1375	1371	1367	1365	1364	1362	1361	1361	1360	1360	1361				
10	1355	1345	1334	1323	1313	1302	1292	1285	1279	1274	1270	1266	1263	1260	1258				
15	1296	1278	1260	1240	1221	1201	1182	1170	1158	1148	1138	1129	1122	1115	1109				
20	1216	1190	1162	1133	1103	1073	1044	1024	1006	989	974	960	947	935	925				
25	1115	1080	1043	1003	963	923	884	858	834	812	792	773	756	741	728				
30	1003	960	914	866	816	767	719	689	661	636	613	593	575	560	547				
35	884	837	785	731	676	621	567	536	507	482	460	441	425	412	402				
40	762	713	660	605	548	492	437	406	378	353	332	314	300	289	281				
45	645	598	546	493	438	383	331	300	273	249	228	211	196	185	177				
50	528	486	439	390	341	291	243	215	190	168	149	133	120	110	103				
55	417	379	338	294	250	206	164	141	120	102	87.5	75.3	66.0	59.4	55.7				
60	316	283	247	210	172	135	99.0	80.4	64.5	51.4	40.9	33.2	28.2	26.0	26.4				
65	227	200	172	142	111	81.5	53.3	39.4	28.0	18.9	12.3	8.00	6.15	6.70	9.64				
70	153	134	112	90.0	67.7	45.9	25.2	15.5	7.71	1.80	0.33	0.33	0.32	0.32	0.59				
75	91.6	78.4	64.1	49.4	34.6	20.3	6.83	0.95	0.30	0.29	0.28	0.26	0.25	0.23	0.20				
80	45.9	39.2	32.1	24.7	17.2	10.0	3.28	0.36	0.30	0.29	0.27	0.25	0.23	0.19	0.16				
85	12.9	11.2	9.45	7.58	5.71	3.88	2.17	1.40	0.81	0.38	0.31	0.28	0.26	0.37	0.79				
90	0.61	0.82	1.05	1.27	1.50	1.70	1.88	1.92	1.91	1.88	1.82	1.72	1.59	1.42	1.22				
95	3.32	3.07	2.80	2.52	2.24	1.96	1.70	1.53	1.39	1.26	1.17	1.09	0.99	0.91	0.86				
100	12.1	10.5	8.89	7.19	5.50	3.85	2.31	1.59	1.03	0.80	0.77	0.72	0.66	0.59	0.87				
105	22.4	19.5	16.3	13.1	9.84	6.69	3.73	2.37	1.29	0.51	0.48	0.46	0.43	0.40	1.02				
110	34.6	30.0	25.2	20.3	15.4	10.7	6.39	4.26	2.58	1.37	0.61	0.33	0.48	1.10	2.18				
115	48.8	43.0	37.3	31.8	26.5	21.6	17.0	13.9	11.2	9.02	7.30	6.04	5.24	4.92	5.06				
120	83.5	82.4	81.3	80.1	78.6	76.8	74.5	69.7	64.3	58.3	51.6	44.3	36.3	27.7	18.5				
125	128	133	139	144	148	151	152	146	138	127	115	99.8	83.0	64.0	43.0				
130	155	163	170	177	184	188	191	187	181	173	163	151	136	120	102				
135	169	174	180	185	191	197	202	204	206	207	208	209	209	208	207				
140	187	190	194	198	203	208	213	218	222	227	232	237	242	247	253				
145	206	208	211	214	218	222	226	230	233	238	242	247	251	256	261				
150	223	224	226	228	230	232	235	237	240	243	246	249	252	255	259				
155	238	239	239	240	241	242	244	245	247	249	251	254	256	259	262				
160	253	253	254	254	254	255	256	256	257	258	259	260	261	262	263				
165	266	267	268	268	269	269	270	270	270	270	270	269	269	268	268				
170	274	275	275	276	276	277	277	278	278	278	278	278	278	278	278				
175	278	279	279	280	280	280	281	281	281	281	281	282	282	282	282				
180	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276				

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: