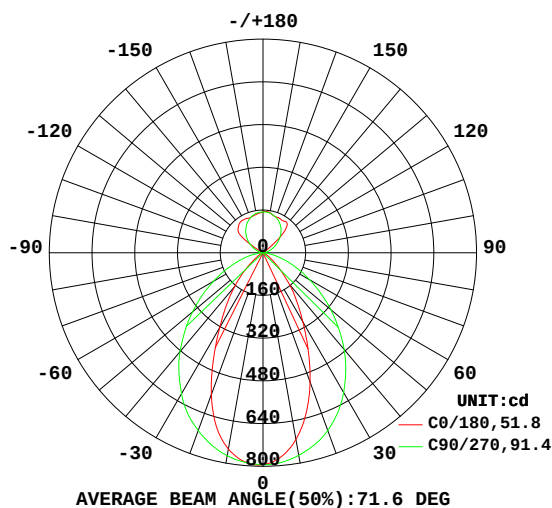


LUMINAIRE PHOTOMETRIC TEST REPORT

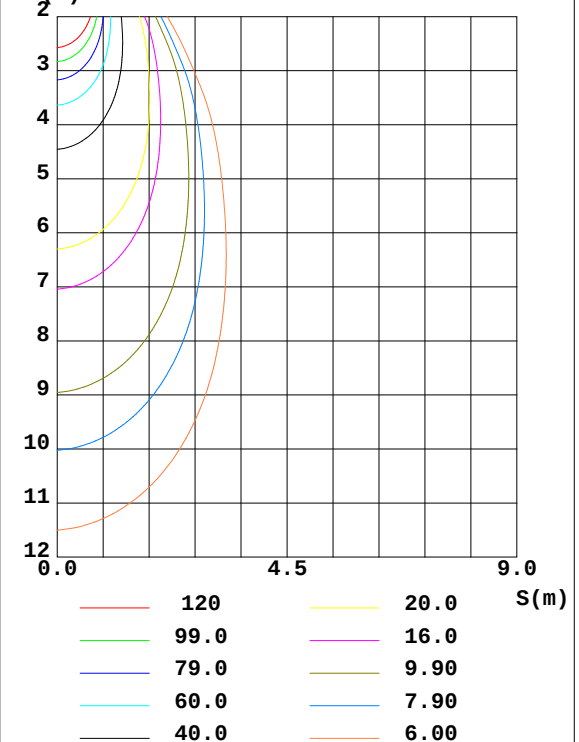
Test:U:120.0V I:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.51 lm/W			
MODEL	上下发光	I _{max} (cd)	800.9	S/MH(C0/180)	0.78
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1499.4	η UP, DN(C0-180)	12.9, 37.9
NOMINAL FLUX(lm)	1499.45	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.7, 36.5
LAMPS INSIDE	1	η up(%)	25.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	74.4	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:

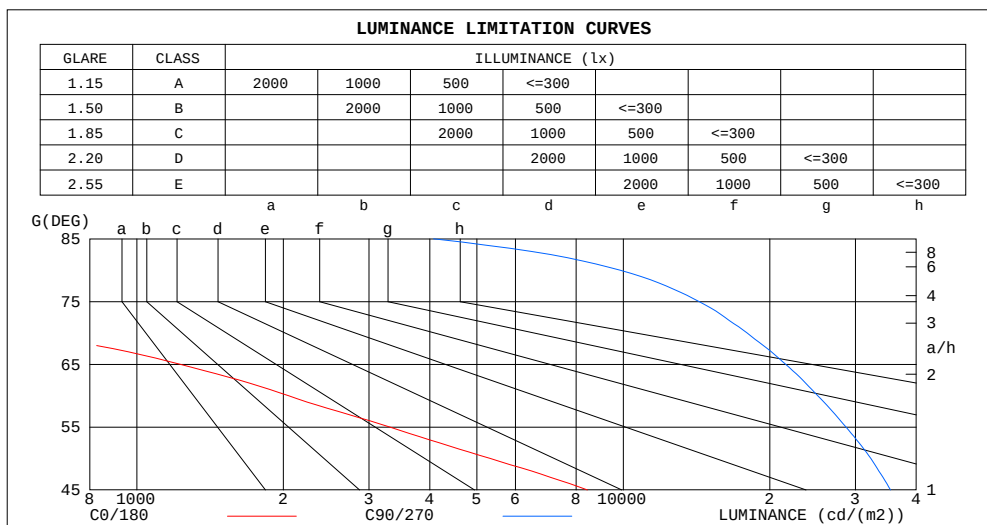
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	710.2	738.5	770.4	782.7	746.7	760.0	771.6	715.6	0- 10	73.64	73.64	4.91,4.91
20	515.5	605.6	708.6	689.3	566.0	643.8	709.0	564.9	10- 20	194.9	268.5	17.9,17.9
30	298.9	420.8	604.1	515.4	325.2	452.5	610.4	381.7	20- 30	247.7	516.2	34.4,34.4
40	153.6	254.2	472.8	316.4	165.3	271.5	483.5	228.7	30- 40	230.5	746.7	49.8,49.8
50	54.75	139.3	331.8	179.0	55.03	150.7	344.4	125.5	40- 50	176.7	923.4	61.6,61.6
60	16.40	55.81	200.8	72.94	15.24	60.74	214.7	51.25	50- 60	112.9	1036	69.1,69.1
70	3.347	13.37	98.30	15.72	2.779	14.54	107.4	13.66	60- 70	55.40	1092	72.8,72.8
80	1.212	1.724	27.37	1.915	1.038	1.858	33.43	1.814	70- 80	20.25	1112	74.2,74.2
90	0.5613	1.044	0.1119	1.248	0.6092	1.177	0.0606	1.062	80- 90	3.618	1116	74.4,74.4
100	0.7946	1.298	10.28	2.638	1.592	2.525	8.620	1.306	90-100	1.878	1117	74.5,74.5
110	2.119	3.735	28.63	13.35	3.601	14.91	25.01	3.562	100-110	7.069	1125	75,75
120	4.931	39.81	53.09	85.60	16.46	82.56	47.99	41.96	110-120	26.89	1151	76.8,76.8
130	45.82	108.0	79.76	112.5	120.4	107.2	75.38	105.1	120-130	65.84	1217	81.2,81.2
140	141.4	119.0	105.3	125.3	139.5	118.1	100.7	115.7	130-140	84.92	1302	86.8,86.8
150	141.5	130.5	126.6	131.6	143.5	126.2	122.6	127.0	140-150	79.14	1381	92.1,92.1
160	143.2	139.6	141.6	140.3	140.9	137.6	139.2	139.2	150-160	62.56	1444	96.3,96.3
170	153.2	152.7	150.9	148.2	145.8	147.2	150.0	153.3	160-170	41.06	1485	99,99
180	152.0	152.0	152.0	152.0	152.0	152.0	152.0	152.0	170-180	14.50	1499	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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	545	4076
80	436	9852
75	428	14306
70	612	17964
65	1228	21568
60	2050	25098
55	3312	28691
50	5323	32261
45	8432	35420

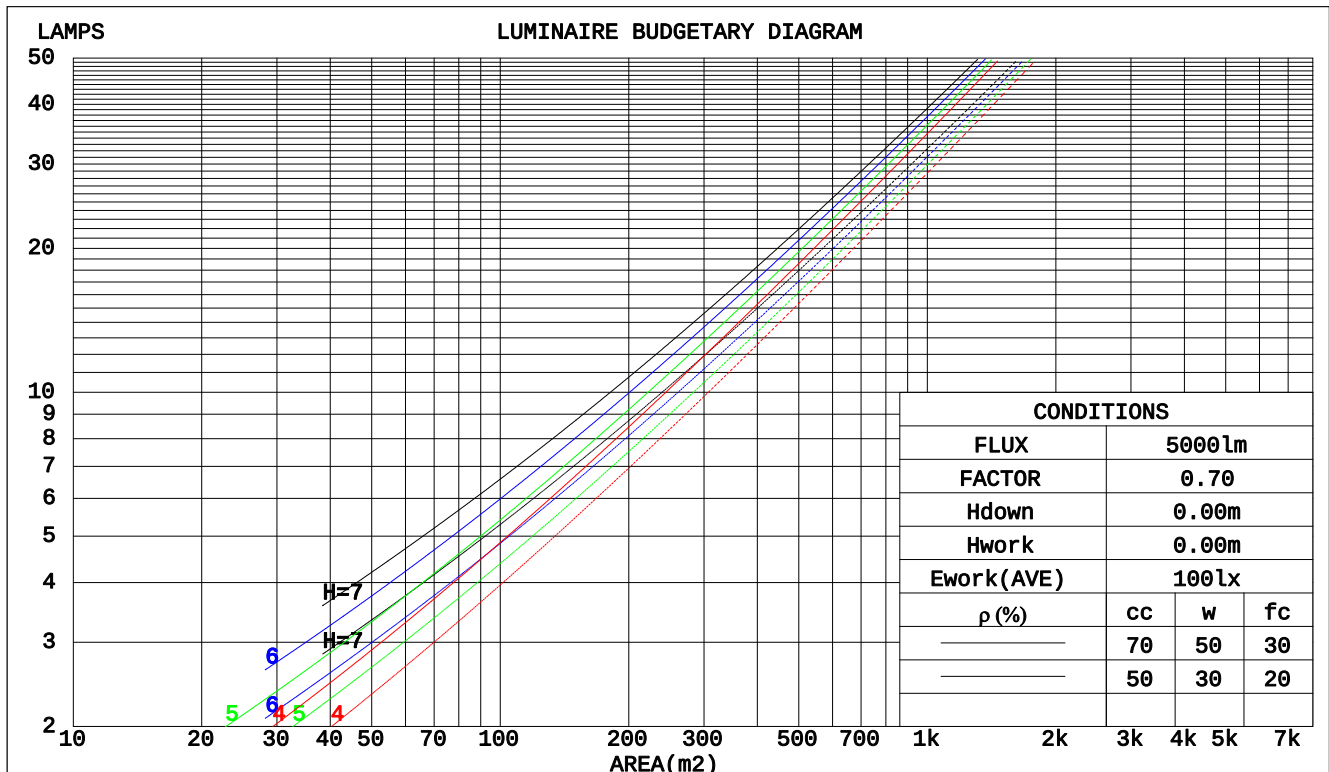
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	.79	.79	.79	.74
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	.55	.53
4.0	.74	.67	.62	.71	.65	.60	.66	.60	.56	.60	.56	.53	.56	.52	.50	.47
5.0	.67	.60	.55	.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	.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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	.134	.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	.082	.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	.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	.329	.329	.329	.225	.225	.225	.129	.129	.129	.041	.041	.041	
1.0	.372	.353	.337	.318	.303	.290	.218	.209	.200	.125	.121	.117	.040	.039	.038	
2.0	.362	.330	.304	.310	.284	.263	.212	.197	.183	.122	.114	.107	.039	.037	.035	
3.0	.353	.313	.281	.302	.270	.244	.208	.188	.171	.120	.110	.101	.039	.036	.033	
4.0	.345	.300	.265	.296	.259	.231	.203	.181	.162	.118	.106	.096	.038	.034	.032	
5.0	.338	.290	.254	.290	.251	.221	.200	.175	.156	.116	.103	.093	.037	.034	.031	
6.0	.331	.281	.246	.285	.244	.214	.196	.171	.151	.114	.100	.090	.037	.033	.030	
7.0	.325	.275	.239	.280	.238	.209	.193	.167	.148	.112	.098	.088	.036	.032	.029	
8.0	.319	.269	.234	.275	.233	.204	.190	.164	.145	.111	.097	.086	.036	.032	.029	
9.0	.314	.264	.231	.271	.229	.201	.188	.161	.143	.109	.095	.085	.035	.031	.028	
10.0	.309	.260	.228	.267	.226	.199	.185	.159	.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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm											
NAME: 12代 2FT 黑色					TYPE:15W 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	2H	14.7	15.7	15.3	16.3	16.9	22.4	23.4	23.0	24.0	24.6
	3H	14.5	15.4	15.1	16.0	16.7	23.3	24.2	24.0	24.8	25.5
	4H	14.3	15.2	15.0	15.8	16.5	23.6	24.5	24.3	25.1	25.8
	6H	14.2	15.0	14.8	15.6	16.4	23.7	24.5	24.4	25.2	25.9
	8H	14.1	14.9	14.8	15.5	16.3	23.7	24.5	24.4	25.1	25.9
	12H	14.0	14.8	14.7	15.4	16.2	23.7	24.4	24.4	25.1	25.8
4H	2H	15.4	16.2	16.0	16.8	17.5	22.1	23.0	22.7	23.6	24.3
	3H	15.1	15.8	15.8	16.5	17.2	23.1	23.8	23.8	24.5	25.3
	4H	14.9	15.6	15.7	16.3	17.1	23.5	24.1	24.2	24.8	25.6
	6H	14.8	15.4	15.5	16.1	16.9	23.7	24.2	24.4	24.9	25.8
	8H	14.7	15.2	15.5	16.0	16.8	23.7	24.2	24.4	24.9	25.8
	12H	14.6	15.1	15.4	15.9	16.8	23.6	24.1	24.4	24.9	25.7
8H	4H	15.0	15.6	15.8	16.3	17.2	23.3	23.8	24.0	24.5	25.4
	6H	14.9	15.3	15.7	16.1	17.0	23.5	23.9	24.3	24.7	25.6
	8H	14.8	15.2	15.6	16.0	16.9	23.5	23.9	24.3	24.7	25.6
	12H	14.7	15.1	15.6	15.9	16.8	23.5	23.8	24.3	24.6	25.5
12H	4H	15.0	15.5	15.8	16.3	17.1	23.2	23.7	23.9	24.4	25.3
	6H	14.9	15.3	15.7	16.0	17.0	23.4	23.8	24.2	24.6	25.5
	8H	14.8	15.1	15.6	15.9	16.9	23.4	23.7	24.2	24.5	25.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.9 / - 3.8					+ 0.4 / - 0.3				
1.5H		+ 1.4 / - 2.6					+ 0.9 / - 1.3				
2.0H		+ 2.7 / - 4.5					+ 1.9 / - 2.7				

CIE Pub.117 Corrected 1499 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

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:120.0V I:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

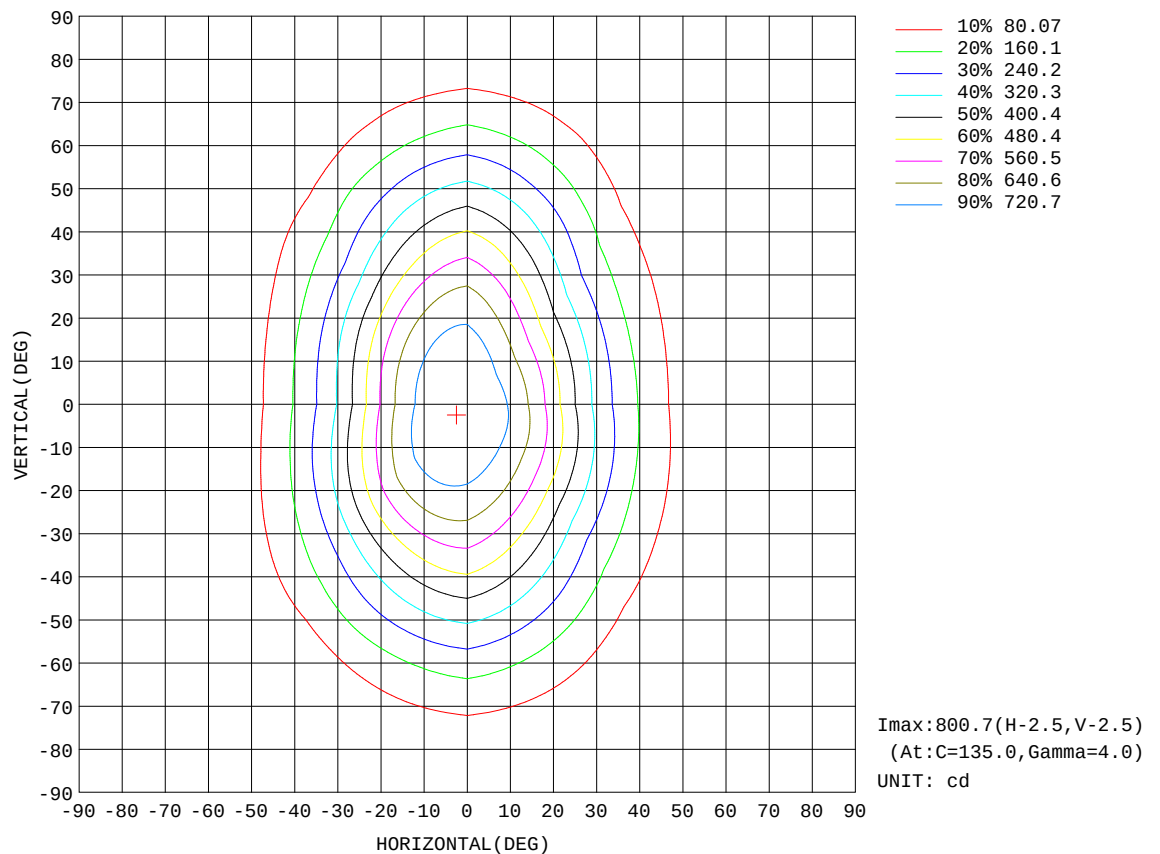
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	45	59	50	45	56	48	44	37
0.80	70	60	54	68	59	54	64	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	69	58
2.00	93	86	81	89	83	78	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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

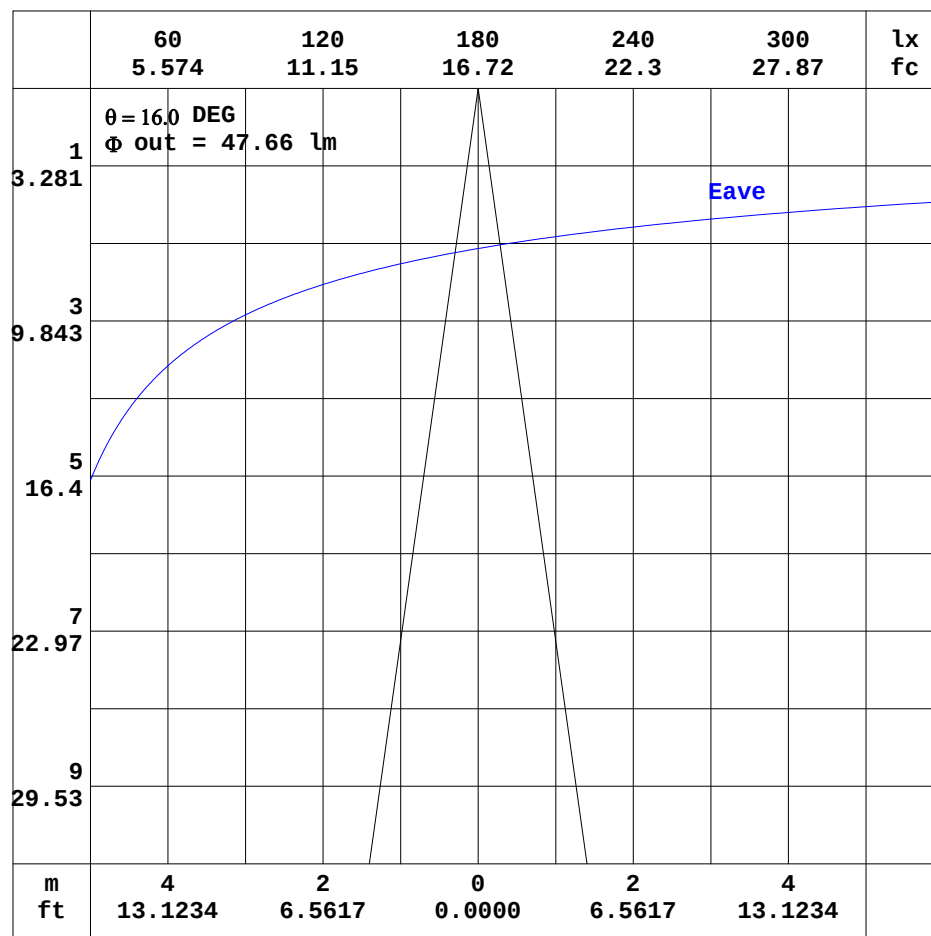


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:何俊伟
Test Date:

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:



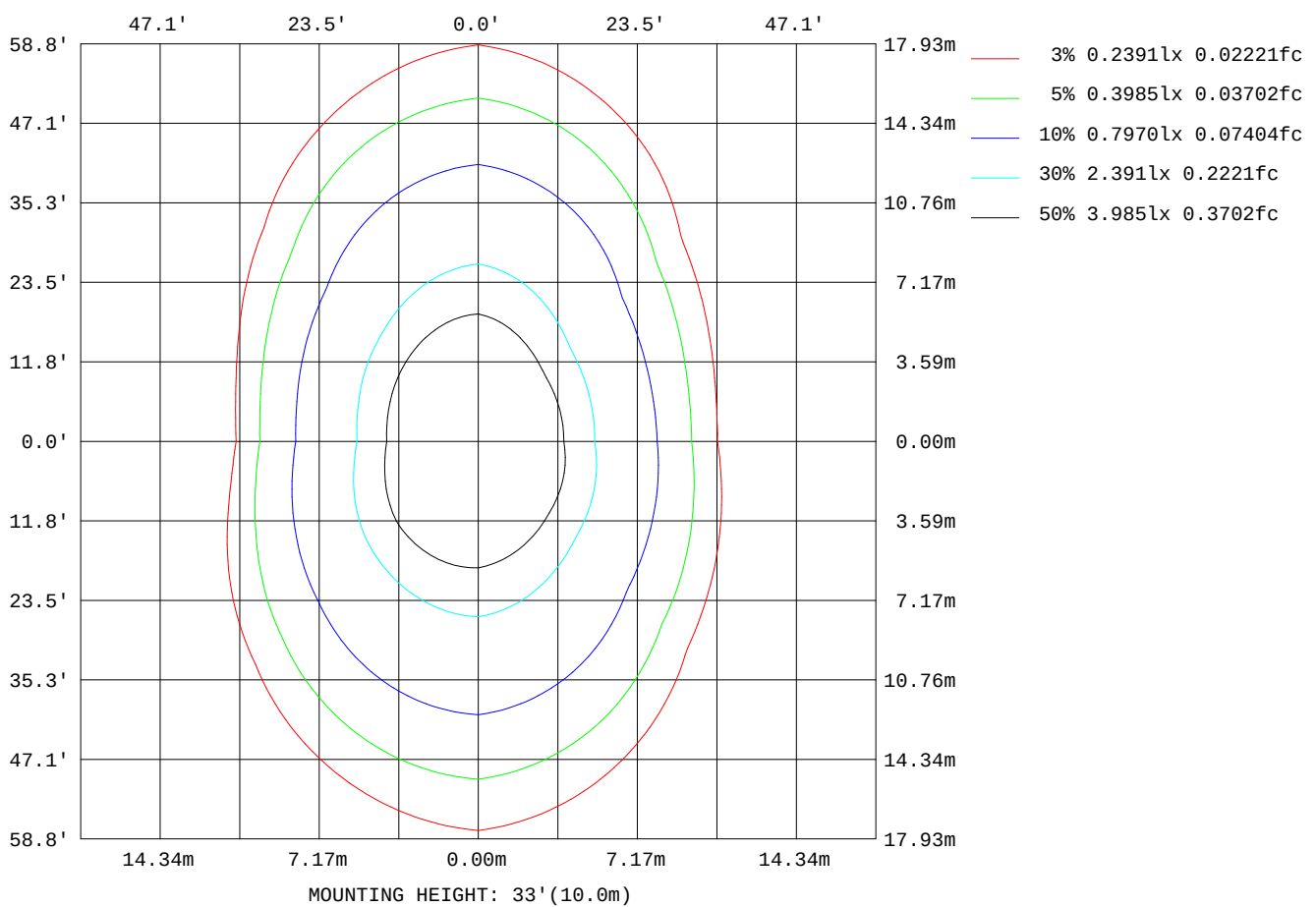
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WS	SUR.:0.38*0.017+0.605*0.017	Shielding Angle:

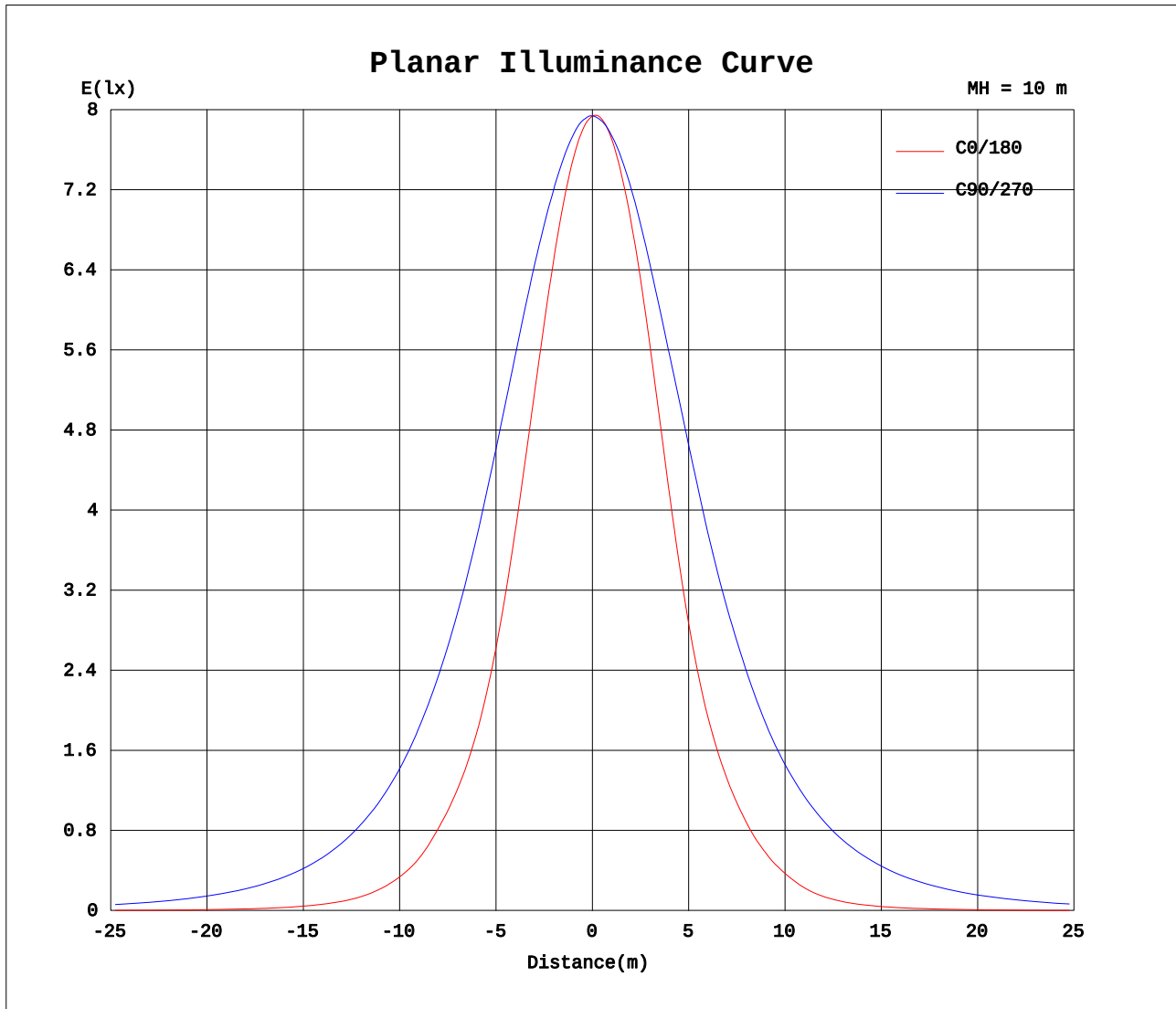
AvgL	cd/m2
L_0~180(65)av	1128
L_0~180(75)av	418
L_0~180(85)av	549
L_90~270(65)av	22472
L_90~270(75)av	15224
L_90~270(85)av	5285
L_45(65)av	4566
L_45(75)av	862
L_45(85)av	888

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794
5	768	769	770	771	772	773	774	775	776	777	778	780	781	782	783	785	786	787	788
10	710	713	716	719	722	726	729	732	735	739	742	746	750	754	757	761	764	767	770
15	623	629	636	642	648	654	661	667	674	681	689	697	705	712	720	727	733	739	745
20	516	525	535	544	554	564	574	585	595	606	619	632	645	658	670	681	691	701	709
25	401	412	424	436	449	462	475	488	502	517	535	554	572	590	607	623	638	651	661
30	299	310	321	333	346	359	374	389	404	421	444	468	491	514	536	556	575	591	604
35	220	228	237	247	258	270	284	299	315	332	358	385	411	438	463	486	507	526	540
40	154	159	166	174	184	195	208	222	237	254	282	310	338	366	392	417	439	458	473
45	95.4	101	107	115	124	135	147	161	175	191	218	245	272	299	324	348	369	387	401
50	54.7	58.9	64.4	71.2	79.3	88.7	99.4	111	125	139	164	188	213	238	262	283	303	319	332
55	30.4	32.3	35.4	39.9	45.6	52.6	60.9	70.5	81.4	93.6	115	137	159	180	201	220	237	252	263
60	16.4	15.6	16.2	18.0	21.1	25.4	31.1	38.0	46.3	55.8	73.5	92.0	111	129	147	164	179	191	201
65	8.30	5.99	4.84	4.86	6.04	8.39	11.9	16.6	22.4	29.4	43.4	58.2	73.3	88.3	103	116	128	138	146
70	3.35	0.79	0.15	0.13	0.12	0.11	1.78	4.73	8.59	13.4	23.5	34.2	45.2	56.1	66.6	76.5	85.2	92.6	98.3
75	1.77	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.39	3.23	9.75	16.7	23.9	31.1	38.1	44.6	50.5	55.4	59.2
80	1.21	0.07	0.08	0.09	0.09	0.10	0.10	0.10	0.44	1.72	4.71	7.90	11.2	14.5	17.7	20.7	23.4	25.6	27.4
85	0.76	0.60	0.49	0.43	0.42	0.46	0.55	0.70	0.89	1.14	1.67	2.24	2.83	3.41	3.98	4.50	4.98	5.38	5.68
90	0.56	0.68	0.79	0.88	0.95	1.00	1.04	1.06	1.06	1.04	0.95	0.84	0.72	0.60	0.48	0.37	0.26	0.18	0.11
95	0.47	0.44	0.47	0.54	0.60	0.65	0.69	0.73	0.84	0.98	1.23	1.50	1.77	2.04	2.31	2.55	2.78	2.97	3.13
100	0.79	0.43	0.34	0.39	0.43	0.47	0.50	0.52	0.83	1.30	2.33	3.44	4.58	5.72	6.83	7.88	8.82	9.64	10.3
105	1.14	0.49	0.24	0.28	0.31	0.34	0.36	0.59	1.27	2.14	4.04	6.07	8.17	10.3	12.3	14.2	16.0	17.4	18.6
110	2.12	1.15	0.47	0.23	0.26	0.28	0.62	1.37	2.41	3.74	6.50	9.47	12.5	15.7	18.7	21.6	24.3	26.7	28.6
115	3.25	2.70	2.46	2.53	2.90	3.57	4.55	5.83	7.41	9.30	12.3	15.5	18.9	22.4	26.0	29.7	33.3	36.8	40.1
120	4.93	9.92	14.6	19.0	23.2	27.0	30.6	34.0	37.0	39.8	41.6	43.2	44.6	45.9	47.2	48.5	49.9	51.4	53.1
125	11.1	24.1	35.9	46.5	55.9	64.2	71.3	77.2	82.0	85.6	85.4	84.2	82.3	79.9	77.1	74.1	71.2	68.6	66.4
130	45.8	57.3	67.6	76.7	84.7	91.6	97.4	102	106	108	107	104	101	97.6	93.8	89.9	86.1	82.7	79.8
135	114	115	116	117	117	117	117	116	115	114	112	109	106	103	101	98.2	96.1	94.3	93.1
140	141	138	136	133	130	128	125	123	121	119	117	114	112	110	109	107	106	106	105
145	144	142	140	137	135	133	131	129	128	126	124	123	121	120	119	118	117	117	117
150	141	140	138	137	136	135	133	132	131	131	130	129	128	128	127	127	127	127	127
155	144	142	141	139	138	137	136	135	135	134	134	134	134	134	134	134	135	135	135
160	143	143	142	141	141	141	140	140	140	140	140	140	140	140	141	141	141	141	142
165	146	146	146	146	146	146	146	147	147	147	147	147	147	147	147	147	147	147	147
170	153	153	153	153	153	153	153	153	153	153	153	152	152	152	152	152	151	151	151
175	156	156	156	156	156	156	156	156	155	155	155	155	155	154	154	154	153	153	153
180	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794
5	790	792	793	795	796	798	799	799	800	799	798	796	794	793	791	789	788	786	786
10	773	776	778	780	782	783	783	783	783	779	775	771	767	762	758	754	750	747	747
15	748	751	752	753	753	752	751	748	745	737	729	720	711	703	694	687	680	674	675
20	712	714	715	714	712	708	703	697	689	675	660	644	629	614	600	587	575	566	569
25	664	665	663	660	654	646	637	625	612	592	570	548	526	505	485	467	451	439	443
30	605	602	597	588	578	565	550	533	515	491	467	442	418	395	374	354	338	325	329
35	537	531	521	508	492	474	454	433	411	388	365	342	320	299	280	263	249	238	241
40	467	457	444	427	408	387	364	341	316	295	273	253	233	215	199	185	174	165	167
45	394	383	369	352	332	310	288	264	240	220	200	181	164	148	134	122	112	105	107
50	325	315	301	285	266	245	224	201	179	160	142	125	109	94.0	81.1	70.1	61.3	55.0	57.1
55	257	247	234	219	202	183	164	144	124	109	94.3	80.7	68.2	57.0	47.3	39.2	32.8	28.4	29.9
60	194	184	172	158	142	125	108	90.0	72.9	62.4	52.8	44.1	36.5	30.0	24.5	20.2	17.1	15.2	15.1
65	139	130	119	107	92.9	78.5	63.8	49.3	35.3	28.6	22.9	18.1	14.3	11.3	9.08	7.66	6.97	6.96	6.11
70	93.1	86.2	77.8	68.3	58.1	47.4	36.5	25.8	15.7	11.6	8.37	5.85	4.00	2.77	2.10	1.92	2.17	2.78	1.85
75	55.6	50.8	45.1	38.6	31.7	24.5	17.3	10.3	3.68	1.71	0.34	0.10	0.09	0.08	0.07	0.07	0.81	1.69	0.68
80	25.7	23.5	20.9	17.9	14.7	11.4	8.14	4.93	1.91	1.02	0.40	0.15	0.14	0.13	0.12	0.28	0.63	1.04	0.52
85	5.41	5.04	4.60	4.10	3.55	2.99	2.42	1.85	1.32	1.12	0.97	0.85	0.77	0.72	0.70	0.70	0.73	0.77	0.66
90	0.21	0.32	0.45	0.59	0.73	0.88	1.01	1.14	1.25	1.21	1.15	1.08	1.00	0.92	0.83	0.75	0.67	0.61	0.67
95	3.06	2.95	2.81	2.65	2.46	2.26	2.05	1.84	1.64	1.52	1.42	1.33	1.25	1.18	1.13	1.08	1.06	1.04	1.07
100	9.83	9.21	8.44	7.56	6.61	5.61	4.59	3.59	2.64	2.28	2.00	1.78	1.63	1.53	1.49	1.49	1.52	1.59	1.54
105	17.8	16.6	15.1	13.5	11.7	9.86	7.97	6.11	4.35	3.69	3.18	2.79	2.53	2.36	2.30	2.31	2.40	2.54	2.45
110	28.1	27.1	25.8	24.1	22.2	20.1	17.9	15.6	13.4	11.7	10.2	8.71	7.40	6.25	5.27	4.49	3.92	3.60	4.23
115	43.3	46.2	48.7	50.9	52.6	53.8	54.4	54.4	53.6	48.4	42.7	36.6	30.5	24.4	18.7	13.6	9.18	5.80	9.64
120	58.0	62.9	67.7	72.3	76.5	80.1	82.9	84.8	85.6	78.6	70.7	62.1	53.3	44.5	36.1	28.4	21.8	16.5	21.5
125	69.6	73.4	77.5	81.9	86.2	90.4	94.4	97.8	101	98.6	95.9	92.7	89.2	85.6	82.0	78.5	75.4	72.8	74.9
130	81.9	84.8	88.1	91.8	95.9	100	104	108	112	115	116	118	119	120	120	121	121	120	120
135	94.9	97.3	100	103	107	110	114	117	121	123	125	127	128	130	131	131	132	132	131
140	107	108	110	112	115	117	120	123	125	128	130	132	134	136	137	138	139	140	138
145	117	118	120	121	122	124	126	128	130	132	134	136	138	140	141	143	144	144	142
150	127	127	127	128	128	129	130	131	132	133	135	137	138	140	141	142	143	143	142
155	135	135	135	135	135	135	135	136	136	137	138	139	139	140	141	141	142	142	141
160	142	141	141	141	141	141	141	140	140	140	140	141	141	141	141	141	141	141	141
165	147	147	147	146	146	146	146	145	145	145	144	144	144	144	143	143	143	143	143
170	151	150	150	150	149	149	149	149	148	148	148	147	147	147	146	146	146	146	146
175	153	152	152	152	152	152	151	151	151	151	151	150	150	150	150	150	150	150	150
180	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794
5	786	786	786	786	786	787	787	788	788	788	789	789	789	789	789	788	788	785	783
10	747	748	750	751	753	755	758	760	763	765	767	769	771	772	773	772	772	767	761
15	677	681	685	690	695	701	707	713	719	725	731	736	740	743	745	746	745	737	728
20	574	580	589	598	609	620	632	644	655	666	676	686	694	701	706	708	709	698	685
25	450	460	472	486	501	518	535	553	571	589	606	621	635	647	656	663	666	652	635
30	336	347	360	375	393	412	432	453	476	499	522	543	563	580	594	604	610	594	575
35	247	256	268	282	298	315	335	355	382	410	437	462	486	507	525	539	549	532	510
40	172	180	190	203	217	234	252	271	300	329	358	386	412	436	456	472	483	467	445
45	112	119	128	140	154	169	187	205	233	261	289	317	342	365	385	401	413	397	377
50	61.8	68.7	77.9	89.1	102	117	133	151	177	203	229	255	278	300	319	334	344	330	312
55	33.3	38.7	45.8	54.7	65.1	77.0	90.3	105	128	151	174	197	218	238	255	268	278	265	249
60	16.3	18.8	22.5	27.6	33.9	41.5	50.5	60.7	80.2	100	121	141	160	177	193	205	215	204	190
65	5.96	6.60	8.08	10.5	13.9	18.3	23.9	30.7	46.2	62.5	79.2	95.6	111	126	139	150	158	150	139
70	1.31	1.22	1.66	2.72	4.45	6.95	10.3	14.5	25.7	37.4	49.5	61.5	73.0	83.7	93.3	101	107	101	93.3
75	0.08	0.09	0.11	0.12	0.14	0.15	1.47	3.65	11.0	18.9	27.0	35.2	43.1	50.4	57.0	62.6	66.8	62.7	57.2
80	0.11	0.13	0.14	0.16	0.17	0.18	0.79	1.86	5.54	9.48	13.5	17.6	21.5	25.2	28.5	31.3	33.4	31.3	28.6
85	0.58	0.52	0.50	0.53	0.61	0.76	0.98	1.28	2.19	3.17	4.18	5.18	6.15	7.05	7.86	8.54	9.06	8.54	7.86
90	0.73	0.81	0.89	0.96	1.03	1.10	1.14	1.18	1.07	0.94	0.81	0.67	0.52	0.39	0.26	0.15	0.06	0.13	0.23
95	1.11	1.16	1.22	1.28	1.36	1.43	1.50	1.58	1.64	1.71	1.77	1.82	1.86	1.89	1.92	1.92	1.92	1.85	1.76
100	1.52	1.53	1.57	1.66	1.80	1.99	2.23	2.53	3.28	4.08	4.89	5.69	6.45	7.15	7.76	8.26	8.62	8.10	7.45
105	2.41	2.43	2.52	2.70	2.96	3.31	3.77	4.34	5.78	7.30	8.85	10.4	11.8	13.2	14.3	15.3	16.0	15.0	13.8
110	5.10	6.16	7.38	8.74	10.2	11.7	13.3	14.9	16.6	18.3	19.9	21.3	22.6	23.6	24.4	24.9	25.0	23.3	21.2
115	14.4	20.0	26.0	32.4	38.7	44.9	50.7	55.8	55.9	55.2	53.8	51.8	49.3	46.4	43.1	39.6	35.9	32.8	29.7
120	27.9	35.3	43.3	51.7	60.2	68.4	75.9	82.6	81.3	79.0	75.8	72.0	67.5	62.7	57.8	52.8	48.0	47.0	46.3
125	77.5	80.4	83.5	86.6	89.6	92.3	94.6	96.4	93.2	89.6	85.5	81.1	76.7	72.4	68.3	64.6	61.5	64.1	67.3
130	119	118	117	115	114	112	110	107	103	98.9	94.7	90.6	86.7	83.2	80.0	77.4	75.4	78.4	81.9
135	129	128	126	124	122	119	116	114	110	107	103	100	97.1	94.3	91.9	89.9	88.4	89.6	91.3
140	136	134	132	129	127	124	121	118	115	113	110	108	106	104	103	102	101	101	102
145	141	138	136	133	130	128	125	122	120	119	117	116	115	114	113	112	112	112	113
150	141	139	137	135	132	130	128	126	125	124	124	123	123	123	123	123	123	123	123
155	140	139	138	137	135	134	133	132	131	131	131	131	131	131	131	131	132	132	131
160	140	140	139	139	139	138	138	138	138	138	138	138	138	139	139	139	139	139	139
165	143	142	142	142	142	142	142	142	143	143	143	144	144	144	144	145	145	146	146
170	146	146	146	146	146	147	147	147	147	148	148	148	149	149	149	150	150	150	151
175	150	150	150	150	150	150	150	150	151	151	151	151	151	151	152	152	152	153	153
180	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152

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:0.1330A P:15.70W PF:0.9820 Freq:60.00Hz Lamp Flux:1499.45x1 lm		
NAME: 12代 2FT 黑色	TYPE:15W 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	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794				
5	780	778	775	772	770	767	765	764	763	763	763	763	763	764	765	766				
10	755	748	741	735	728	722	716	713	710	708	707	706	706	706	707	708				
15	718	706	695	683	671	659	648	642	636	632	628	625	624	623	623	623				
20	669	653	636	618	600	582	565	555	546	538	531	526	521	518	516	516				
25	615	593	569	545	520	496	472	458	446	435	425	417	411	406	403	403				
30	551	525	497	468	439	410	382	365	351	338	327	317	310	305	301	301				
35	485	457	427	395	363	331	300	283	268	255	244	235	228	223	221	221				
40	419	390	359	326	293	260	229	211	196	183	173	165	158	155	153	153				
45	353	326	296	266	234	203	173	156	142	129	118	110	103	98.5	96.0	96.0				
50	290	265	238	210	181	153	126	110	96.8	85.3	75.6	67.7	61.7	57.5	55.2	55.2				
55	229	207	184	159	133	108	84.3	71.4	60.1	50.7	42.9	37.0	32.7	30.2	29.4	29.4				
60	174	155	135	114	92.3	71.3	51.3	41.0	32.3	25.2	19.8	15.9	13.6	13.0	13.9	13.9				
65	125	111	94.4	77.6	60.6	43.9	28.1	20.5	14.1	9.21	5.65	3.45	2.63	3.17	5.06	5.06				
70	83.7	72.9	61.2	49.1	36.9	24.9	13.7	8.37	4.12	0.91	0.19	0.18	0.18	0.18	0.37	0.37				
75	50.7	43.4	35.5	27.3	19.1	11.2	3.72	0.46	0.17	0.16	0.16	0.15	0.14	0.12	0.11	0.11				
80	25.3	21.6	17.7	13.6	9.51	5.53	1.81	0.21	0.17	0.16	0.15	0.14	0.12	0.11	0.09	0.09				
85	7.06	6.15	5.17	4.16	3.14	2.15	1.21	0.80	0.47	0.24	0.18	0.17	0.15	0.22	0.45	0.45				
90	0.34	0.46	0.59	0.72	0.84	0.96	1.06	1.08	1.08	1.06	1.02	0.97	0.89	0.80	0.69	0.69				
95	1.66	1.56	1.44	1.33	1.21	1.09	0.97	0.89	0.82	0.75	0.69	0.63	0.58	0.54	0.50	0.50				
100	6.68	5.83	4.93	3.99	3.06	2.16	1.31	0.91	0.60	0.44	0.42	0.40	0.36	0.32	0.51	0.51				
105	12.3	10.7	8.98	7.21	5.44	3.73	2.11	1.37	0.78	0.35	0.27	0.25	0.24	0.24	0.61	0.61				
110	18.8	16.3	13.7	11.1	8.43	5.91	3.56	2.41	1.50	0.85	0.44	0.28	0.37	0.70	1.29	1.29				
115	26.5	23.4	20.3	17.3	14.5	11.9	9.43	7.74	6.29	5.10	4.16	3.47	3.04	2.86	2.93	2.93				
120	45.7	45.3	44.9	44.5	43.9	43.1	42.0	39.4	36.4	33.1	29.3	25.2	20.7	15.8	10.6	10.6				
125	70.8	74.3	77.8	80.8	83.3	85.1	85.8	82.4	77.7	71.9	64.8	56.5	47.0	36.3	24.3	24.3				
130	85.8	89.9	93.9	97.6	101	103	105	103	99.6	95.2	89.7	83.1	75.4	66.7	56.8	56.8				
135	93.4	95.8	98.4	101	104	107	110	111	112	113	114	114	115	115	115	115				
140	103	105	106	108	111	113	116	118	121	123	126	129	132	135	138	138				
145	114	115	116	117	119	121	123	124	126	129	131	133	136	139	141	141				
150	123	123	124	125	125	126	127	128	129	131	132	134	136	137	139	139				
155	131	131	131	131	131	132	132	133	134	135	136	137	138	140	142	142				
160	139	139	139	139	139	139	139	139	140	140	141	141	141	142	143	143				
165	147	147	148	148	148	148	148	148	148	148	148	148	147	147	146	146				
170	151	152	152	152	153	153	153	154	154	154	154	154	154	154	153	153				
175	153	154	154	154	154	155	155	155	155	156	156	156	156	156	156	156				
180	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152				

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: