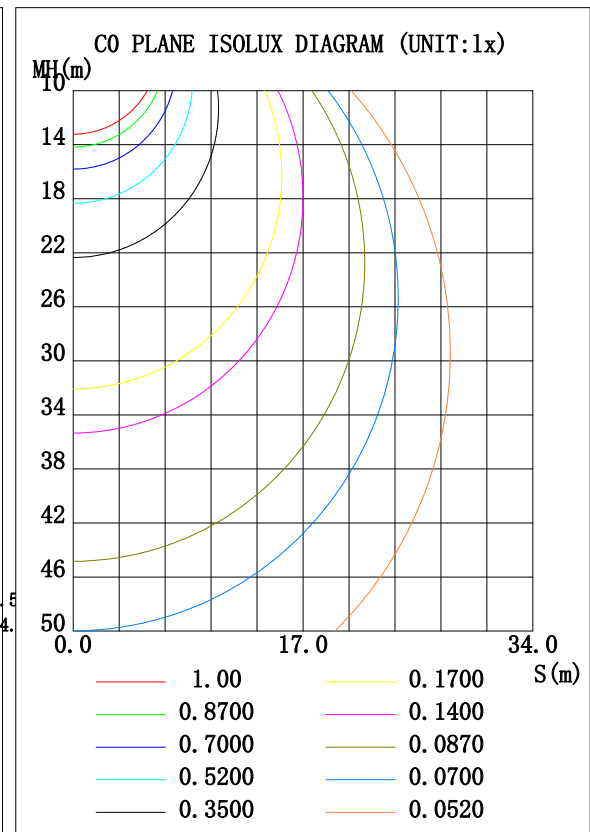
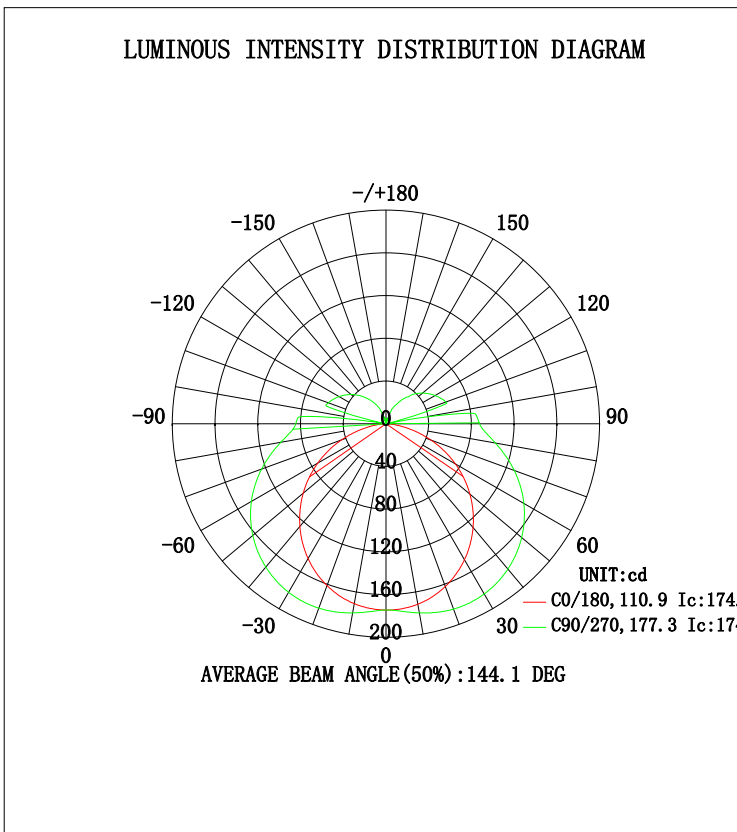


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.24 lm/W
MODEL	W5447B	I <sub>max</sub> (cd)	185.2	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	11	LOR (%)	100.0	S/MH(C90/270)	1.57	
RATED VOLTAGE(V)	240	TOTAL FLUX(1m)	874.82	η UP, DN(C0-180)	8.2, 41.3	
NOMINAL FLUX(1m)	874.822	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.6, 41.9	
LAMPS INSIDE	1	η up (%)	16.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	240	η down (%)	83.2	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	173.6	175.2	176.7	175.4	173.8	174.9	176.4	175.1	0- 5	4.179	4.179	0.48, 0.48
10	171.1	175.9	179.8	176.6	171.6	175.9	179.8	176.4	5- 10	12.56	16.74	1.91, 1.91
15	167.1	175.7	182.4	177.0	167.8	176.1	182.8	176.8	10- 15	20.87	37.61	4.3, 4.3
20	161.4	174.4	183.8	176.3	162.2	175.3	184.7	176.3	15- 20	28.87	66.48	7.6, 7.6
25	154.3	171.9	183.7	174.2	155.3	173.2	185.1	174.4	20- 25	36.31	102.8	11.8, 11.8
30	145.9	167.9	182.3	170.8	147.0	169.7	184.0	171.1	25- 30	42.95	145.8	16.7, 16.7
35	136.3	162.7	179.4	166.0	137.5	164.9	181.5	166.5	30- 35	48.58	194.3	22.2, 22.2
40	125.5	156.1	175.1	160.0	126.9	158.7	177.6	160.5	35- 40	53.03	247.4	28.3, 28.3
45	113.8	148.4	169.6	152.7	115.2	151.4	172.4	153.4	40- 45	56.15	303.5	34.7, 34.7
50	101.2	139.5	162.8	144.2	102.5	142.7	165.8	145.0	45- 50	57.86	361.4	41.3, 41.3
55	87.88	129.5	154.8	134.5	89.12	133.0	158.0	135.5	50- 55	58.10	419.5	47.9, 47.9
60	73.82	118.5	145.5	123.8	74.90	122.2	149.0	124.9	55- 60	56.87	476.3	54.5, 54.5
65	59.22	106.7	135.2	112.1	60.14	110.4	138.9	113.4	60- 65	54.18	530.5	60.6, 60.6
70	44.33	94.02	123.9	99.69	44.95	97.89	127.7	101.1	65- 70	50.16	580.7	66.4, 66.4
75	29.45	81.20	111.9	86.81	29.85	85.02	115.9	88.51	70- 75	45.02	625.7	71.5, 71.5
80	15.68	68.80	99.95	74.49	15.78	72.53	104.0	76.17	75- 80	39.17	664.9	76.76
85	4.851	58.62	89.70	64.41	4.855	62.25	93.62	65.86	80- 85	33.43	698.3	79.8, 79.8
90	0.5970	53.64	84.59	59.60	0.5764	56.85	87.67	60.32	85- 90	29.29	727.6	83.2, 83.2
95	0.0982	19.07	78.66	36.35	0.1058	48.37	85.20	57.81	90- 95	26.30	753.9	86.2, 86.2
100	0.4409	18.34	6.666	10.67	0.3955	6.420	32.10	4.028	95-100	12.99	766.9	87.7, 87.7
105	0.3538	33.16	39.03	37.22	0.3633	35.32	12.30	36.34	100-105	8.380	775.3	88.6, 88.6
110	0.4392	31.46	57.53	35.47	0.3905	33.94	59.74	35.10	105-110	15.89	791.2	90.4, 90.4
115	0.4328	29.43	54.45	33.44	0.4468	31.87	56.68	33.24	110-115	15.79	807.0	92.2, 92.2
120	0.2583	27.93	50.90	32.01	0.3652	30.15	53.07	31.75	115-120	14.38	821.3	93.9, 93.9
125	0.3569	26.28	46.98	30.43	0.4233	28.60	49.09	30.30	120-125	12.83	834.2	95.4, 95.4
130	0.2877	24.03	42.70	27.86	0.2549	26.22	44.77	27.42	125-130	11.16	845.3	96.6, 96.6
135	0.3151	21.38	38.07	24.87	0.3162	23.01	40.10	23.53	130-135	9.281	854.6	97.7, 97.7
140	0.2890	18.42	33.00	21.65	0.2686	20.13	33.53	20.34	135-140	6.849	861.5	98.5, 98.5
145	0.2207	15.42	28.01	18.22	0.1563	16.91	28.49	16.52	140-145	5.348	866.8	99.1, 99.1
150	0.2000	11.54	22.85	14.67	0.1153	13.52	22.66	13.33	145-150	4.016	870.8	99.5, 99.5
155	0.1222	0.1465	17.64	0.1672	0.1377	0.1380	17.76	0.1155	150-155	2.293	873.1	99.8, 99.8
160	0.1401	4.693	3.060	6.224	0.1923	5.116	2.672	5.283	155-160	1.040	874.2	99.9, 99.9
165	0.1006	1.770	6.332	3.455	0.1767	3.226	5.614	3.263	160-165	0.3771	874.5	100, 100
170	0.0837	0.5133	1.865	1.095	0.1684	1.240	2.799	1.168	165-170	0.2472	874.8	100, 100
175	0.0590	0.0524	0.0897	0.0777	0.1237	0.1118	0.3445	0.1268	170-175	0.0409	874.8	100, 100
180	0.0852	0.0593	0.0562	0.0803	0.0852	0.0596	0.0565	0.0788	175-180	0.0020	874.8	100, 100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 303.51 lm

%lum = 34.7%

%lamp = 34.7%

Conical surface Flux(120deg): 476.34 lm

%lum = 54.5%

%lamp = 54.5%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

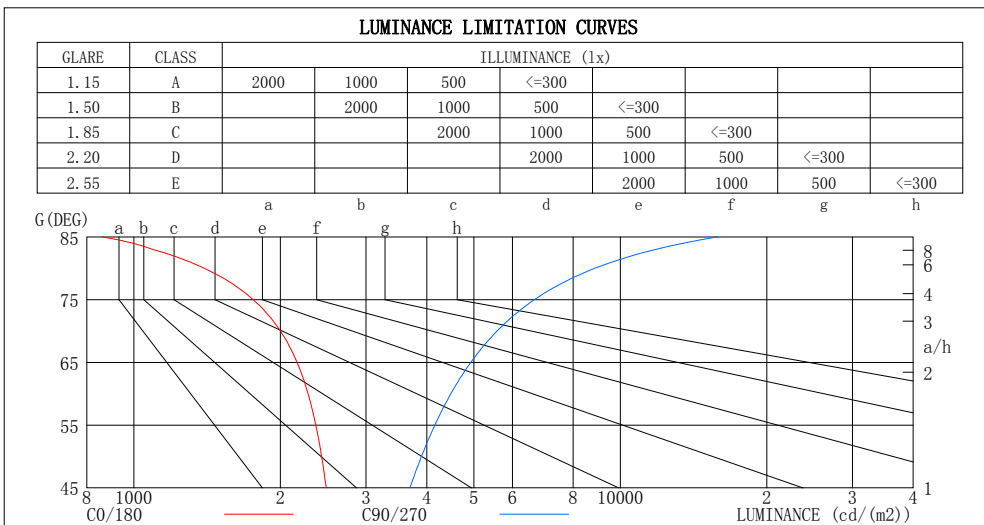
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	860	15855
80	1395	8866
75	1758	6660
70	2002	5580
65	2165	4929
60	2281	4483
55	2367	4158
50	2432	3901
45	2486	3695

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

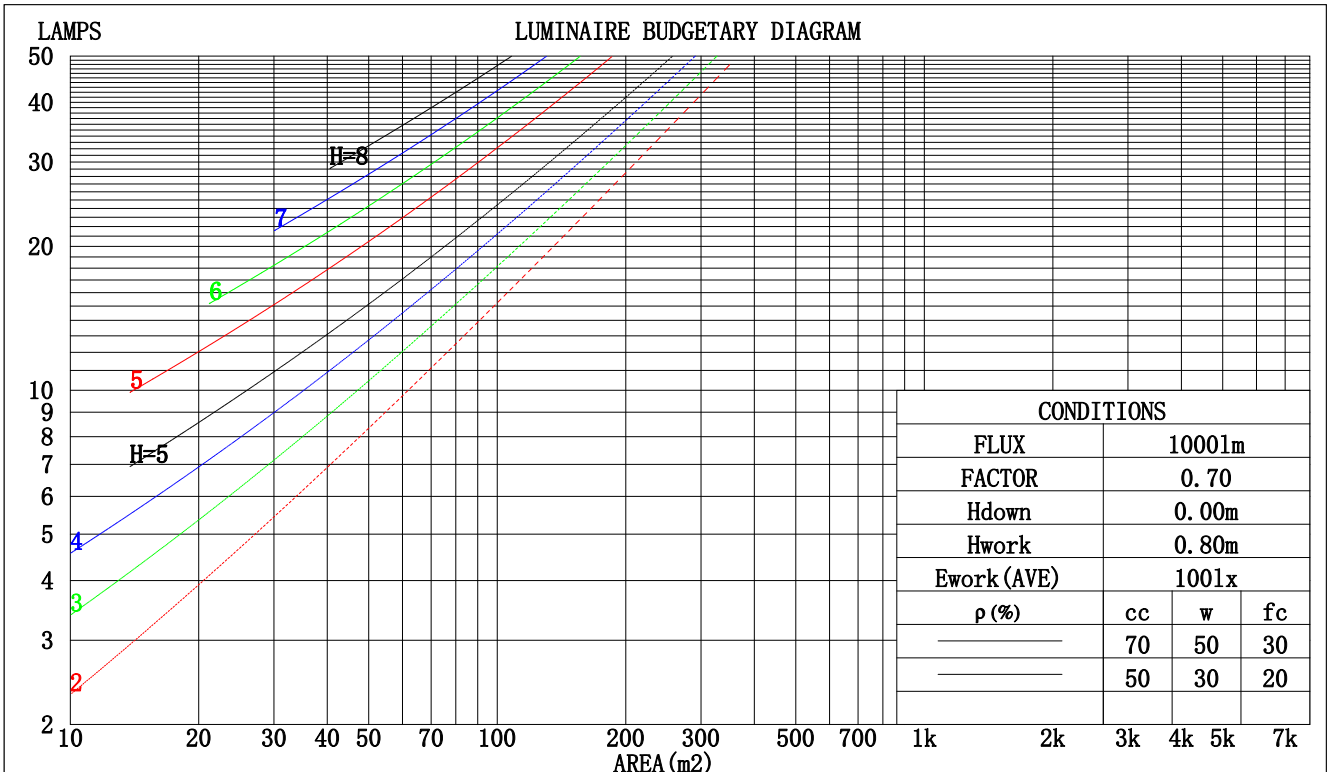
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.83
1.0	.96	.91	.86	.92	.87	.83	.85	.81	.77	.78	.75	.72	.71	.69	.67	.63
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.61	.57	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.63	.56	.50	.57	.52	.47	.53	.48	.44	.41
4.0	.62	.53	.45	.60	.51	.44	.55	.48	.42	.51	.44	.39	.46	.41	.37	.34
5.0	.55	.45	.38	.53	.44	.37	.49	.41	.35	.45	.39	.33	.41	.36	.32	.29
6.0	.49	.40	.33	.47	.39	.32	.44	.36	.31	.40	.34	.29	.37	.32	.27	.25
7.0	.44	.35	.29	.43	.34	.28	.40	.32	.27	.37	.30	.25	.34	.28	.24	.22
8.0	.40	.31	.25	.39	.31	.25	.36	.29	.24	.33	.27	.22	.31	.25	.21	.19
9.0	.37	.28	.23	.35	.27	.22	.33	.26	.21	.31	.25	.20	.29	.23	.19	.17
10.0	.34	.26	.20	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

WEC AND CCEC

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.385	.219	.069	.373	.212	.067	.349	.200	.064	.328	.189	.061	.308	.179	.058	
2.0	.335	.184	.056	.324	.178	.055	.303	.168	.052	.283	.159	.050	.266	.150	.047	
3.0	.298	.159	.048	.288	.154	.046	.269	.146	.044	.252	.138	.042	.235	.130	.040	
4.0	.269	.140	.041	.259	.136	.040	.242	.128	.038	.226	.122	.037	.212	.115	.035	
5.0	.244	.124	.036	.236	.121	.035	.220	.115	.034	.206	.109	.032	.192	.103	.031	
6.0	.224	.112	.032	.216	.109	.031	.202	.104	.030	.189	.098	.029	.176	.093	.028	
7.0	.206	.102	.029	.200	.099	.028	.187	.094	.027	.174	.089	.026	.163	.085	.025	
8.0	.191	.093	.026	.185	.091	.026	.173	.087	.025	.162	.082	.024	.152	.078	.023	
9.0	.178	.086	.024	.173	.084	.024	.162	.080	.023	.151	.076	.022	.142	.072	.021	
10.0	.167	.080	.022	.162	.078	.022	.151	.074	.021	.142	.070	.020	.133	.067	.019	

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	.319	.319	.319	.272	.272	.272	.186	.186	.186	.107	.107	.107	.034	.034	.034	
1.0	.315	.285	.258	.269	.244	.222	.184	.168	.153	.106	.097	.089	.034	.031	.029	
2.0	.308	.262	.223	.264	.225	.193	.181	.156	.134	.104	.091	.079	.033	.029	.026	
3.0	.301	.245	.201	.258	.212	.174	.177	.147	.122	.102	.086	.072	.033	.028	.024	
4.0	.293	.233	.187	.251	.201	.162	.173	.140	.114	.100	.082	.068	.032	.027	.022	
5.0	.285	.223	.177	.245	.193	.154	.169	.135	.109	.098	.079	.064	.032	.026	.021	
6.0	.278	.215	.170	.239	.186	.148	.165	.130	.105	.096	.077	.062	.031	.025	.021	
7.0	.271	.208	.165	.233	.181	.144	.161	.127	.102	.094	.075	.061	.030	.024	.020	
8.0	.264	.203	.161	.227	.176	.140	.157	.124	.099	.092	.073	.059	.030	.024	.020	
9.0	.258	.198	.158	.222	.172	.138	.154	.121	.098	.090	.071	.058	.029	.023	.019	
10.0	.252	.194	.155	.217	.168	.136	.151	.119	.096	.088	.070	.057	.028	.023	.019	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm										
NAME: 1					TYPE:			WEIGHT:		
SPEC. :					DIM. :			SERIAL No. :		
MFR. :					SUR. :			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.1	16.5	15.6	17.0	17.6	17.8	19.2	18.3	19.6	20.2
3H	16.6	17.9	17.1	18.4	19.0	20.4	21.6	20.9	22.2	22.8
4H	17.1	18.3	17.6	18.9	19.5	21.7	23.0	22.3	23.5	24.1
6H	17.4	18.6	18.0	19.2	19.8	23.2	24.4	23.8	24.9	25.6
8H	17.5	18.6	18.1	19.2	19.8	24.1	25.2	24.6	25.7	26.4
12H	17.5	18.6	18.1	19.2	19.8	25.0	26.1	25.6	26.7	27.3
4H 2H	16.4	17.6	17.0	18.2	18.8	18.3	19.5	18.8	20.0	20.7
3H	18.1	19.2	18.7	19.8	20.4	21.1	22.2	21.7	22.8	23.4
4H	18.8	19.8	19.4	20.4	21.1	22.7	23.7	23.3	24.3	25.0
6H	19.3	20.2	20.0	20.8	21.6	24.4	25.3	25.0	25.9	26.6
8H	19.5	20.3	20.1	21.0	21.7	25.4	26.2	26.0	26.8	27.6
12H	19.6	20.3	20.2	21.0	21.7	26.5	27.2	27.1	27.9	28.6
8H 4H	19.9	20.7	20.5	21.4	22.1	23.0	23.8	23.6	24.5	25.2
6H	20.8	21.5	21.5	22.1	22.9	25.0	25.7	25.7	26.4	27.1
8H	21.1	21.7	21.8	22.4	23.2	26.2	26.8	26.9	27.5	28.3
12H	21.4	21.9	22.1	22.6	23.4	27.5	28.1	28.2	28.8	29.6
12H 4H	20.2	21.0	20.9	21.7	22.4	23.0	23.8	23.7	24.4	25.2
6H	21.3	22.0	22.0	22.7	23.5	25.1	25.7	25.8	26.4	27.2
8H	21.9	22.4	22.6	23.1	24.0	26.4	26.9	27.1	27.6	28.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 874.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	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	48	35	28	47	35	28	45	34	27	20
0.80	57	44	36	55	43	35	52	42	35	27
1.00	65	52	43	63	51	43	59	51	42	33
1.25	72	59	51	69	58	50	65	55	48	38
1.50	77	65	56	74	63	55	69	60	53	43
2.00	84	73	65	81	71	64	76	67	61	49
2.50	89	79	71	86	76	69	79	72	66	53
3.00	93	84	76	89	81	74	82	76	70	57
4.00	97	90	83	94	87	81	86	81	76	62
5.00	100	94	88	96	90	85	89	84	80	65
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

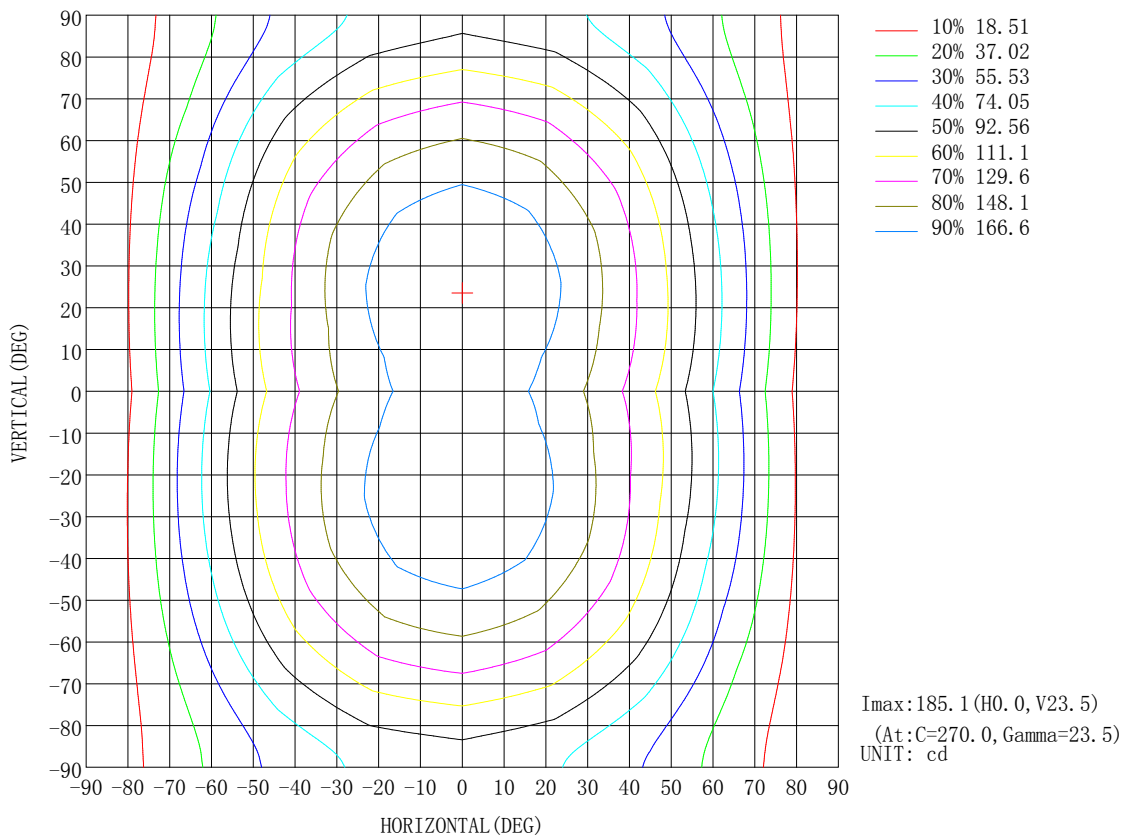
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

### ISOCANDELA DIAGRAM

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

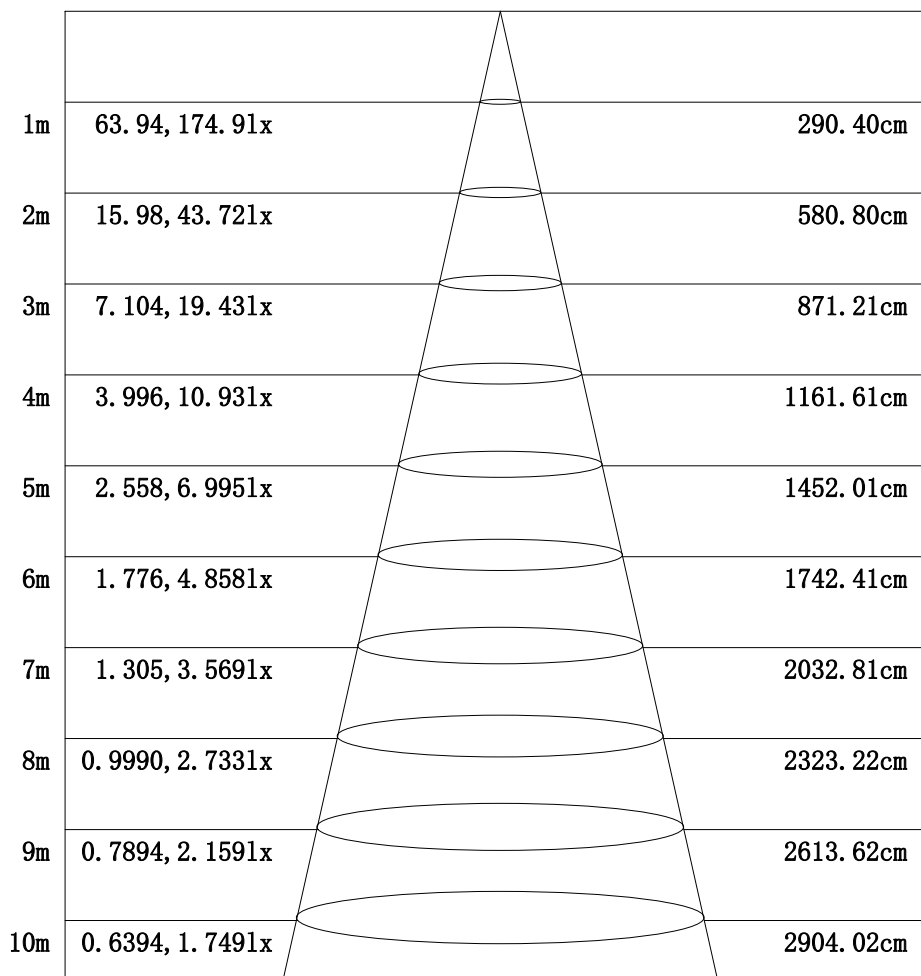
Assessor: Akin Xu



### AAI Figure

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Flux out:425.2 lm



Height                      Eavg, Emax                      Angle:110.89deg                      Diameter

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

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

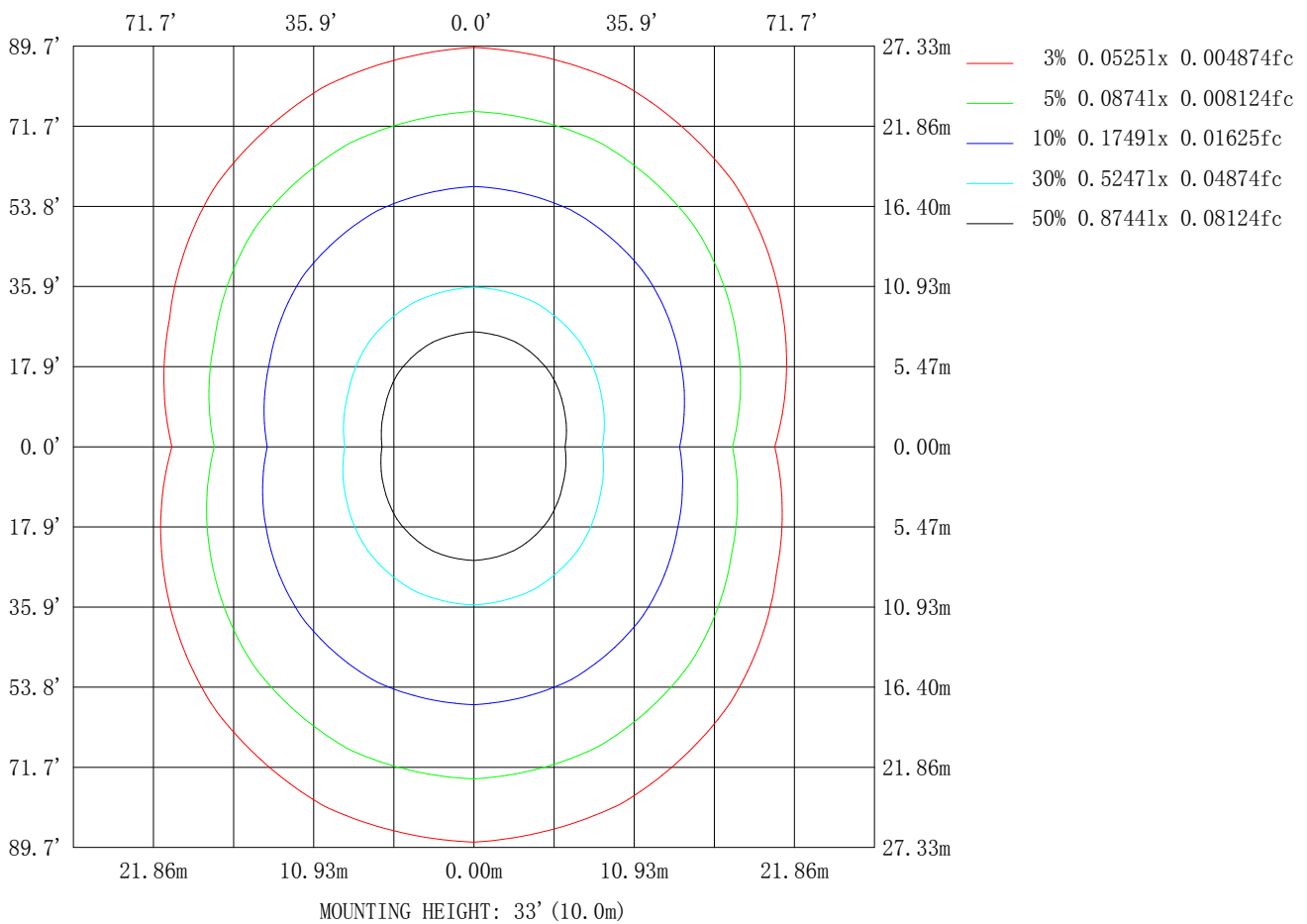
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LED Avg. L Report

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65) av	2176
L_0~180(75) av	1765
L_0~180(85) av	858
L_90~270(65) av	4997
L_90~270(75) av	6779
L_90~270(85) av	16205
L_45(65) av	4034
L_45(75) av	5083
L_45(85) av	11099

Standard: GB/T 29293-2012

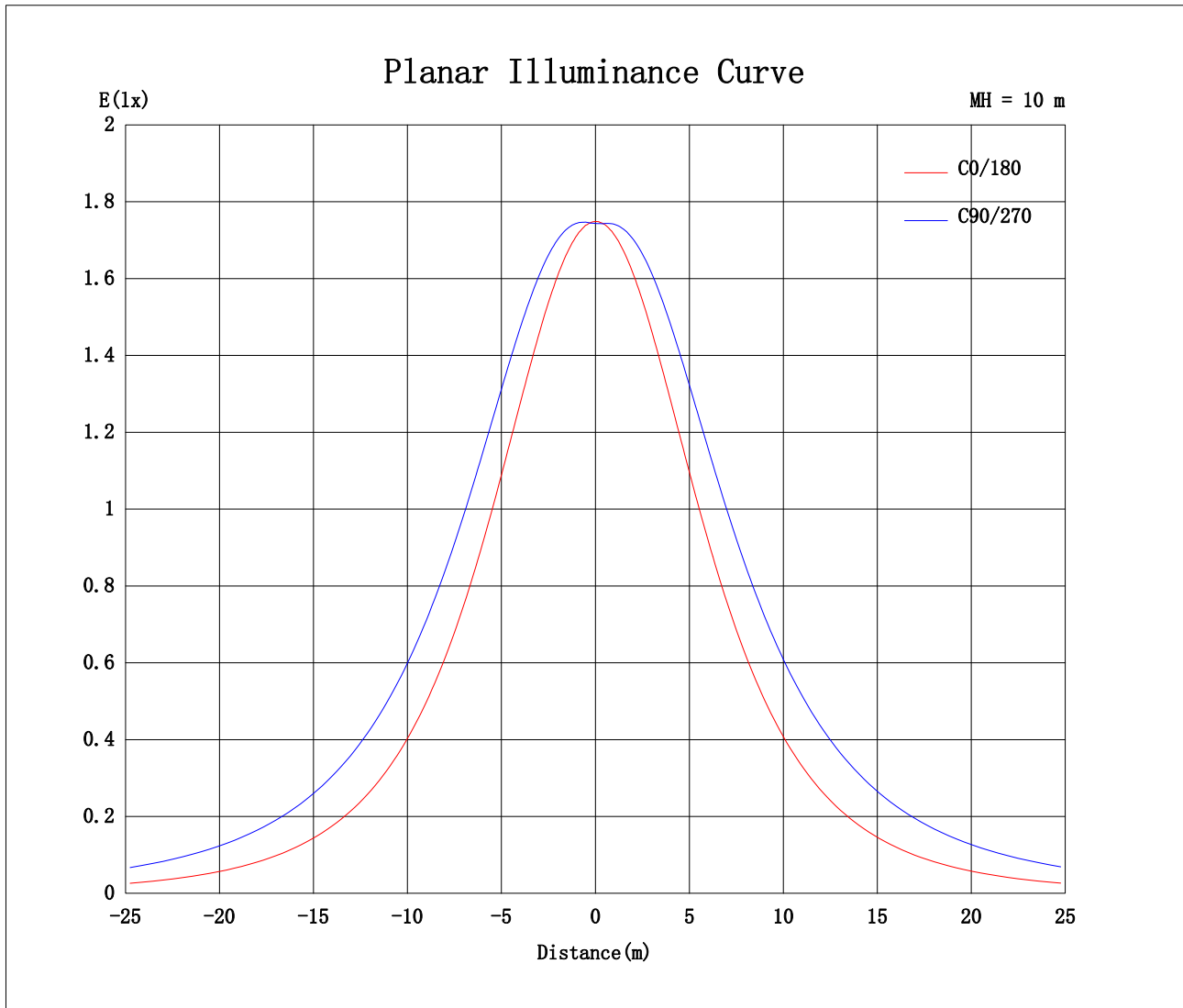
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.0489A P:11.18W PF:0.9521 Freq:50.00Hz Lamp Flux:874.822x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Table-1

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174			
5	174	174	175	176	177	176	175	174	174	174	175	176	176	176	175	174			
10	171	173	176	179	180	179	177	173	172	173	176	179	180	179	176	173			
15	167	170	176	180	182	181	177	171	168	170	176	181	183	181	177	171			
20	161	166	174	181	184	182	176	168	162	167	175	182	185	183	176	167			
25	154	161	172	180	184	182	174	164	155	162	173	182	185	182	174	163			
30	146	155	168	178	182	180	171	158	147	155	170	180	184	181	171	157			
35	136	147	163	175	179	176	166	151	138	148	165	177	182	178	167	150			
40	125	138	156	170	175	172	160	142	127	139	159	172	178	173	161	142			
45	114	128	148	163	170	166	153	133	115	129	151	166	172	167	153	132			
50	101	117	139	156	163	159	144	123	103	119	143	159	166	160	145	122			
55	87.9	105	130	147	155	150	134	111	89.1	107	133	151	158	152	136	110			
60	73.8	92.7	119	138	146	141	124	98.7	74.9	94.3	122	141	149	143	125	98.2			
65	59.2	79.3	107	127	135	130	112	85.5	60.1	81.0	110	131	139	132	113	85.2			
70	44.3	65.4	94.0	115	124	119	99.7	71.7	44.9	67.0	97.9	119	128	121	101	71.7			
75	29.4	51.5	81.2	103	112	106	86.8	57.9	29.9	53.0	85.0	107	116	109	88.5	58.0			
80	15.7	38.3	68.8	91.1	99.9	94.4	74.5	44.7	15.8	39.8	72.5	94.9	104	96.8	76.2	45.2			
85	4.85	27.7	58.6	80.7	89.7	84.1	64.4	34.3	4.85	29.2	62.3	84.6	93.6	86.5	65.9	34.6			
90	0.60	23.0	53.6	75.5	84.6	79.0	59.6	29.9	0.58	24.7	56.8	79.0	87.7	80.7	60.3	29.7			
95	0.10	4.85	19.1	64.6	78.7	72.6	36.4	6.40	0.11	6.00	48.4	76.7	85.2	78.3	57.8	10.4			
100	0.44	15.8	18.3	0.32	6.67	0.27	10.7	20.9	0.40	17.0	6.42	9.06	32.1	15.2	4.03	20.7			
105	0.35	13.3	33.2	45.4	39.0	42.0	37.2	18.0	0.36	14.7	35.3	27.0	12.3	23.7	36.3	17.4			
110	0.44	12.6	31.5	46.7	57.5	50.2	35.5	17.1	0.39	14.2	33.9	48.5	59.7	49.2	35.1	16.8			
115	0.43	11.3	29.4	46.1	54.5	49.2	33.4	15.7	0.45	12.9	31.9	48.2	56.7	49.2	33.2	14.7			
120	0.26	10.0	27.9	43.9	50.9	46.6	32.0	14.3	0.37	11.5	30.2	46.0	53.1	47.0	31.8	12.4			
125	0.36	9.02	26.3	40.8	47.0	43.4	30.4	13.1	0.42	10.5	28.6	43.0	49.1	44.0	30.3	11.8			
130	0.29	8.19	24.0	37.3	42.7	39.7	27.9	12.0	0.25	9.46	26.2	39.6	44.8	40.5	27.4	11.0			
135	0.32	0.24	21.4	33.3	38.1	35.3	24.9	10.5	0.32	5.43	23.0	35.7	40.1	36.0	23.5	9.56			
140	0.29	1.10	18.4	28.8	33.0	30.5	21.6	0.14	0.27	0.12	20.1	30.2	33.5	30.0	20.3	0.13			
145	0.22	3.62	15.4	24.3	28.0	25.9	18.2	5.65	0.16	4.03	16.9	25.1	28.5	25.1	16.5	4.66			
150	0.20	2.48	11.5	19.7	22.8	21.0	14.7	3.97	0.12	2.80	13.5	20.5	22.7	19.6	13.3	3.89			
155	0.12	1.43	0.15	15.0	17.6	16.2	0.17	3.05	0.14	2.28	0.14	15.5	17.8	15.4	0.12	2.83			
160	0.14	0.72	4.69	0.14	3.06	0.14	6.22	1.60	0.19	1.38	5.12	0.14	2.67	0.12	5.28	1.70			
165	0.10	0.16	1.77	4.86	6.33	5.86	3.45	0.61	0.18	0.51	3.23	5.56	5.61	4.94	3.26	0.72			
170	0.08	0.07	0.51	1.30	1.87	1.80	1.10	0.14	0.17	0.17	1.24	2.52	2.80	2.16	1.17	0.16			
175	0.06	0.06	0.05	0.06	0.09	0.09	0.08	0.09	0.12	0.12	0.11	0.20	0.34	0.22	0.13	0.08			
180	0.09	0.08	0.06	0.06	0.06	0.07	0.08	0.08	0.09	0.08	0.06	0.06	0.06	0.08	0.08	0.08			

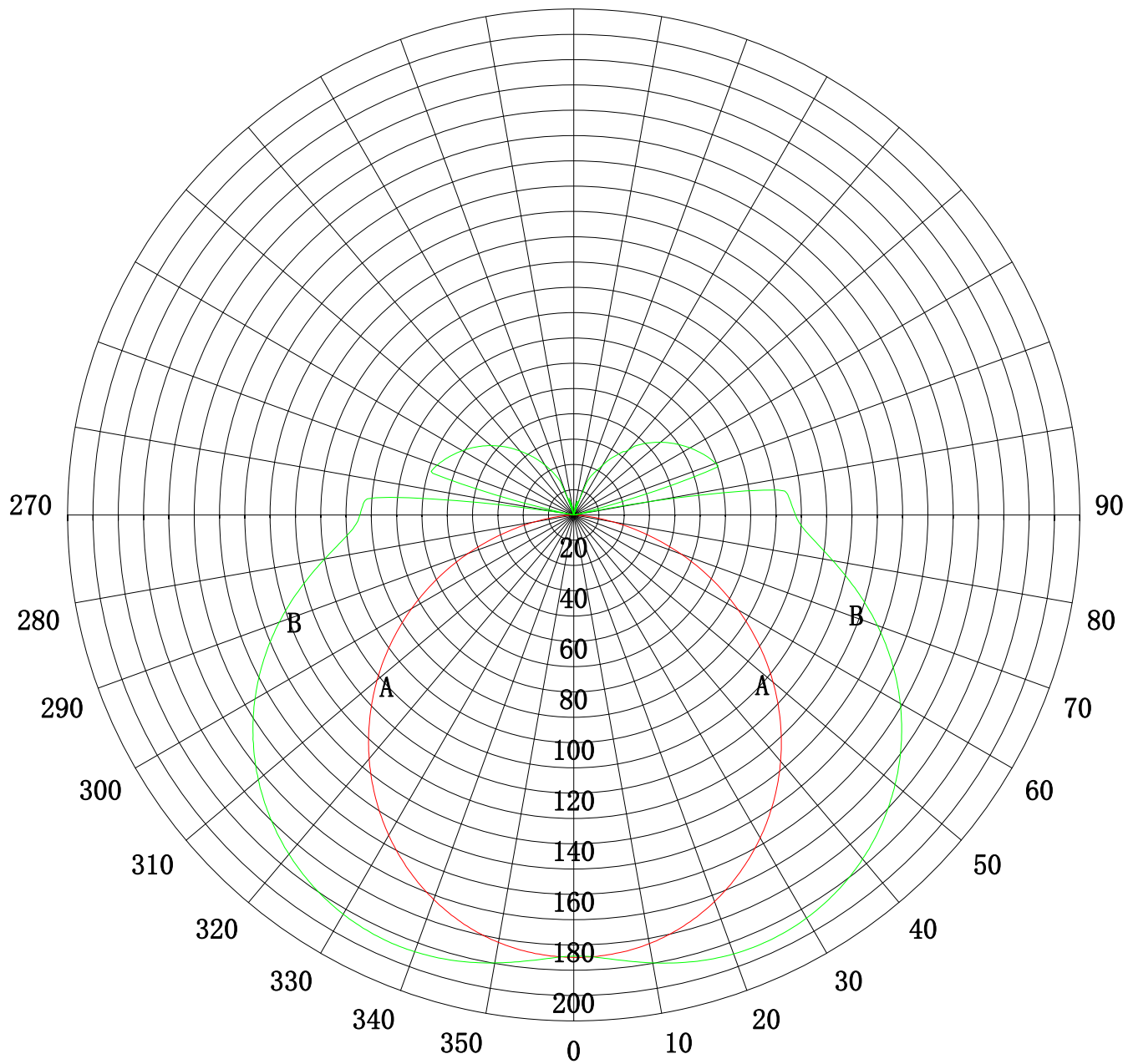
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-12-4

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:2.688m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

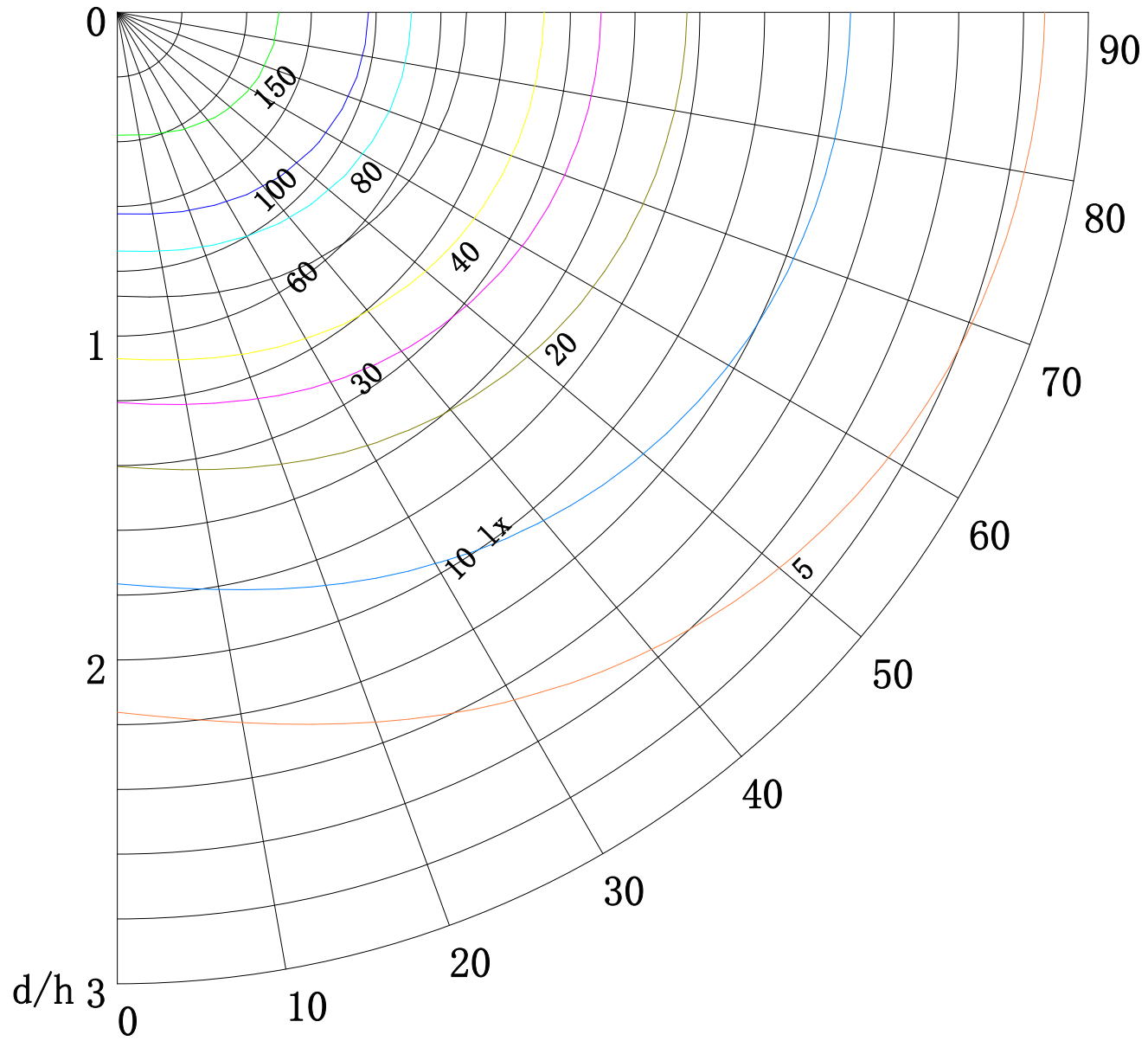
Assessor: Akin Xu

I (cd)



1000 l<sub>m</sub>

K = 1



$F = 1000 \text{ lm}$   
 $K = 0.7$   
 $H_{cc} = 0.8 \text{ m}$   
 $H_{fc} = 0.0 \text{ m}$   
 $E_{ave} = 100 \text{ lx}$

	$P_{cc}$	$P_w$	$P_{fc}$
—	70	50	30
---	50	30	20

