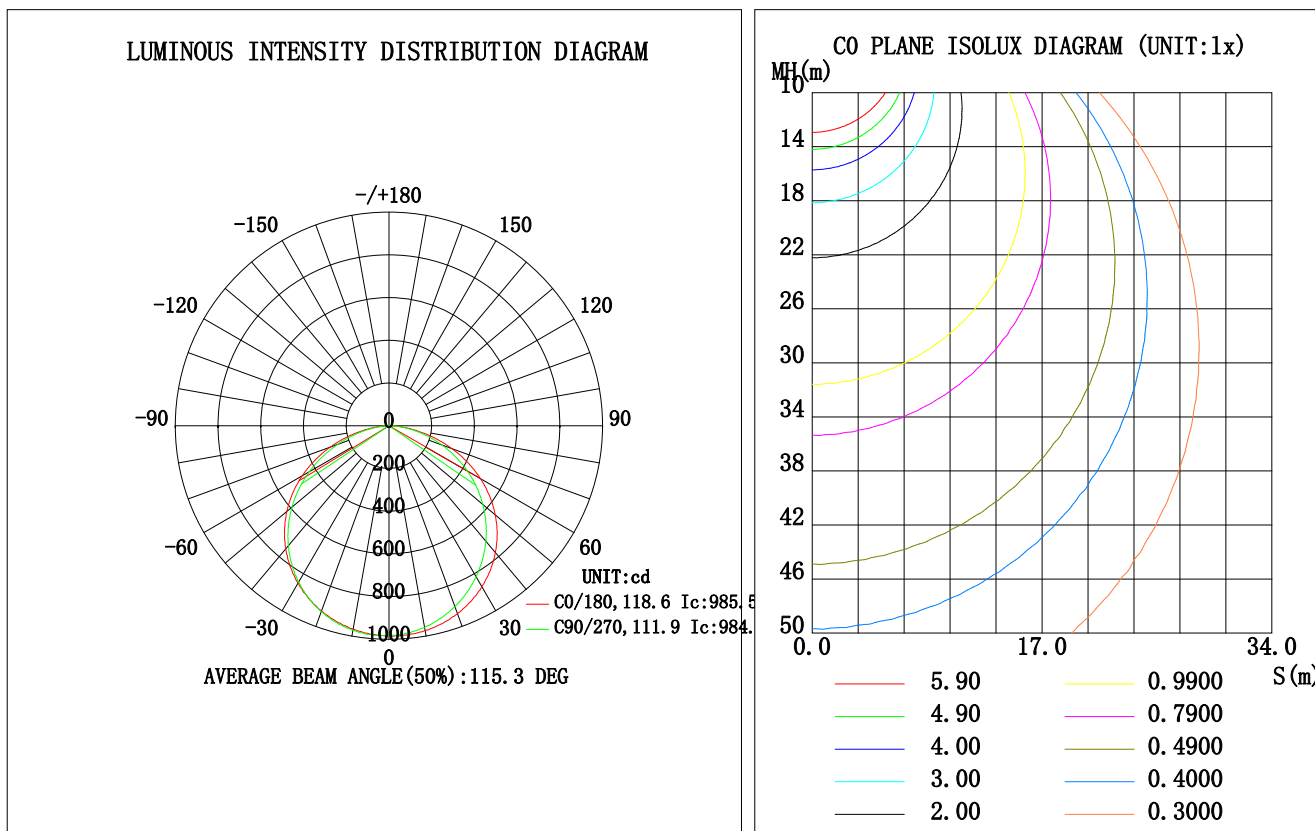


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 126.03 lm/W
MODEL	ULPL30120-24W	I _{max} (cd)	986.2	S/MH(C0/180)	1.32	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2894.9	η UP, DN(C0-180)	0.1, 50.1	
NOMINAL FLUX(lm)	2894.86	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.8	
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	240	η down (%)	99.9	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [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	980.4	982.2	981.0	985.1	983.6	979.0	974.1	977.9	0- 5	23.47	23.47	0.81,0.81
10	966.6	970.6	973.2	975.3	973.2	965.5	959.2	960.9	5- 10	69.69	93.16	3.22,3.22
15	949.6	953.6	953.4	961.0	959.6	946.7	932.9	939.8	10- 15	113.7	206.9	7.15,7.15
20	922.5	925.9	926.7	935.0	936.0	917.3	902.4	909.0	15- 20	154.2	361.1	12.5,12.5
25	891.8	893.2	889.4	904.4	907.6	883.1	861.6	874.0	20- 25	189.8	550.9	19,19
30	850.7	850.1	846.0	863.0	869.6	840.5	816.8	829.2	25- 30	219.4	770.3	26.6,26.6
35	806.2	801.6	792.5	815.9	827.1	792.4	763.2	781.3	30- 35	242.0	1012	35,35
40	751.6	743.1	733.1	758.5	774.6	737.1	706.5	724.4	35- 40	256.7	1269	43.8,43.8
45	692.5	680.2	665.8	696.3	716.5	675.9	641.7	663.8	40- 45	263.0	1532	52.9,52.9
50	624.2	607.9	593.0	624.7	649.1	607.6	574.1	595.2	45- 50	260.4	1792	61.9,61.9
55	550.9	531.5	513.7	547.8	575.8	534.7	500.3	523.2	50- 55	248.8	2041	70.5,70.5
60	469.1	447.4	431.0	463.8	493.7	455.6	424.3	444.5	55- 60	228.5	2270	78.4,78.4
65	383.2	360.4	343.8	375.3	406.3	372.4	344.1	363.4	60- 65	199.9	2470	85.3,85.3
70	292.5	270.4	256.9	284.7	313.5	286.5	264.0	279.0	65- 70	164.4	2634	91,91
75	201.6	182.4	172.0	195.2	219.6	201.3	184.6	195.9	70- 75	124.0	2758	95.3,95.3
80	115.3	101.1	95.67	112.1	128.7	120.6	111.9	117.6	75- 80	81.63	2840	98.1,98.1
85	42.49	33.39	31.50	41.16	52.61	51.68	48.80	50.26	80- 85	42.01	2882	99.5,99.5
90	0.1537	0.1334	0.1509	0.1752	0.3424	0.6256	1.616	2.169	85- 90	10.13	2892	99.9,99.9
95	0.1364	0.2005	0.1638	0.1361	0.1029	0.0982	0.1013	0.1006	90- 95	0.1214	2892	99.9,99.9
100	0.1750	0.2082	0.3269	0.2092	0.1287	0.1370	0.1624	0.1321	95-100	0.0871	2892	99.9,99.9
105	0.2175	0.2250	0.2733	0.2233	0.1595	0.1580	0.1698	0.1624	100-105	0.1020	2892	99.9,99.9
110	0.2657	0.2566	0.2790	0.2574	0.2008	0.2014	0.1960	0.2066	105-110	0.1111	2892	99.9,99.9
115	0.3203	0.2997	0.3055	0.2941	0.2551	0.2516	0.2586	0.2569	110-115	0.1289	2892	99.9,99.9
120	0.3860	0.3546	0.3383	0.3411	0.3107	0.3142	0.3276	0.3160	115-120	0.1499	2892	99.9,99.9
125	0.4486	0.4210	0.3903	0.4051	0.3851	0.3878	0.4065	0.3899	120-125	0.1724	2893	99.9,99.9
130	0.5128	0.4822	0.4618	0.4589	0.4421	0.4672	0.4916	0.4708	125-130	0.1936	2893	99.9,99.9
135	0.6136	0.5803	0.5687	0.5314	0.5446	0.5725	0.6170	0.5907	130-135	0.2142	2893	99.9,99.9
140	0.6930	0.7458	0.7009	0.6561	0.6732	0.7606	0.8030	0.8054	135-140	0.2431	2893	99.9,99.9
145	0.7840	0.8601	0.8044	0.7427	0.8013	0.9715	1.083	1.042	140-145	0.2673	2894	100,100
150	0.8778	0.9595	0.9151	0.7948	0.9839	1.202	1.364	1.271	145-150	0.2860	2894	100,100
155	0.9683	1.060	0.9943	0.8801	1.199	1.412	1.627	1.477	150-155	0.2858	2894	100,100
160	1.085	1.149	1.052	0.9640	1.376	1.632	1.808	1.670	155-160	0.2668	2894	100,100
165	1.156	1.221	1.017	1.046	1.466	1.738	1.900	1.765	160-165	0.2240	2895	100,100
170	1.247	1.198	1.075	1.036	1.540	1.592	1.743	1.636	165-170	0.1653	2895	100,100
175	1.308	1.283	1.033	1.104	1.503	1.494	1.560	1.530	170-175	0.0964	2895	100,100
180	1.415	1.363	1.341	1.320	1.419	1.366	1.342	1.322	175-180	0.0320	2895	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1531.9 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg): 2269.6 lm

%lum = 78.4%

%lamp = 78.4%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

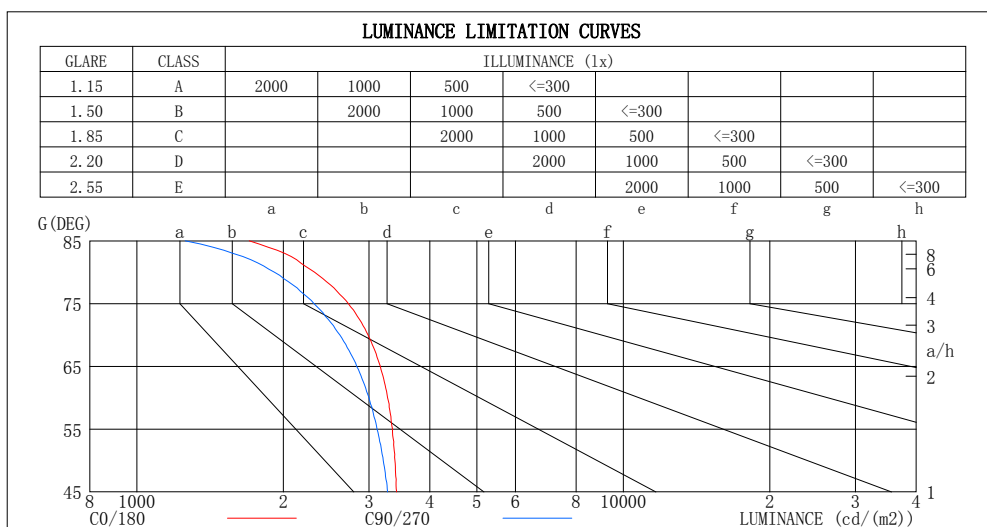
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1702	1257
80	2319	1917
75	2720	2312
70	2986	2613
65	3166	2830
60	3276	2999
55	3353	3116
50	3391	3210
45	3420	3276

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

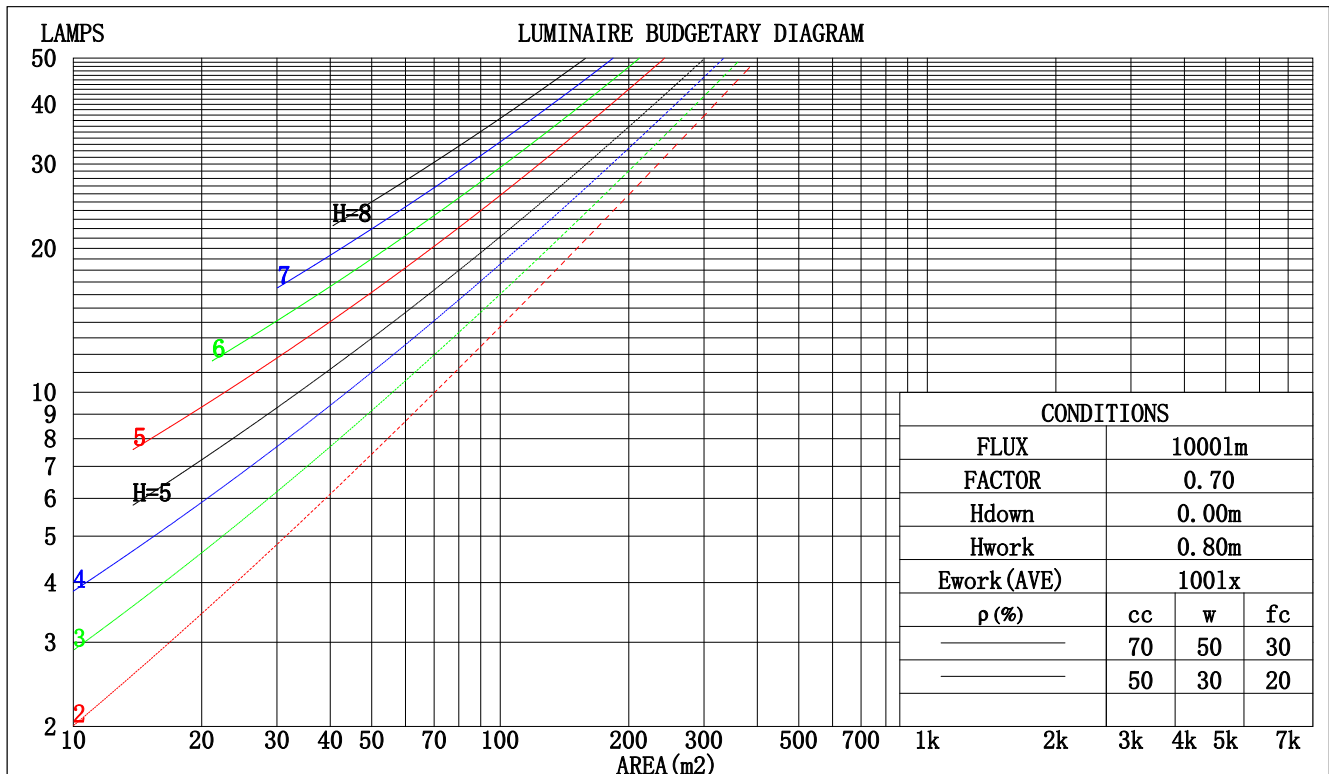
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.74	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

WEC AND CCEC

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.311	.177	.056	.304	.173	.055	.290	.167	.053	.278	.160	.051	.267	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

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						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020		
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015		
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011		
3.0	.166	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009		
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007		
5.0	.151	.091	.048	.129	.079	.042	.089	.055	.029	.052	.032	.017	.017	.011	.006		
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005		
7.0	.137	.076	.034	.118	.066	.030	.081	.046	.021	.047	.027	.012	.015	.009	.004		
8.0	.130	.070	.029	.112	.061	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004		
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [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:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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		13.5	15.0	13.7	15.2	15.4	13.1	14.6	13.4	14.8	15.0
	3H	15.0	16.4	15.3	16.7	16.9	14.5	15.9	14.8	16.2	16.4
	4H	15.6	17.0	15.9	17.2	17.5	15.0	16.4	15.3	16.6	16.9
	6H	16.0	17.3	16.3	17.5	17.8	15.3	16.6	15.7	16.9	17.2
	8H	16.1	17.3	16.5	17.6	17.9	15.4	16.6	15.8	16.9	17.2
	12H	16.2	17.3	16.5	17.6	17.9	15.4	16.6	15.8	16.9	17.2
4H	2H	14.0	15.4	14.3	15.6	15.9	13.7	15.1	14.1	15.3	15.6
	3H	15.8	16.9	16.1	17.2	17.5	15.3	16.5	15.7	16.8	17.1
	4H	16.5	17.5	16.8	17.9	18.2	15.9	17.0	16.3	17.3	17.7
	6H	17.0	17.9	17.4	18.3	18.7	16.4	17.3	16.8	17.7	18.0
	8H	17.1	18.0	17.5	18.4	18.8	16.5	17.4	16.9	17.7	18.1
	12H	17.2	18.0	17.6	18.4	18.8	16.5	17.3	17.0	17.7	18.1
8H	4H	16.7	17.6	17.1	17.9	18.3	16.2	17.1	16.6	17.4	17.8
	6H	17.3	18.0	17.7	18.4	18.9	16.7	17.5	17.2	17.9	18.3
	8H	17.5	18.2	18.0	18.6	19.1	16.9	17.6	17.4	18.0	18.5
	12H	17.7	18.2	18.1	18.7	19.2	17.0	17.6	17.5	18.0	18.5
12H	4H	16.7	17.5	17.1	17.9	18.3	16.2	17.0	16.6	17.4	17.8
	6H	17.3	18.0	17.8	18.4	18.9	16.8	17.4	17.2	17.9	18.3
	8H	17.6	18.1	18.1	18.6	19.1	17.0	17.6	17.5	18.0	18.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 2895 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.7$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

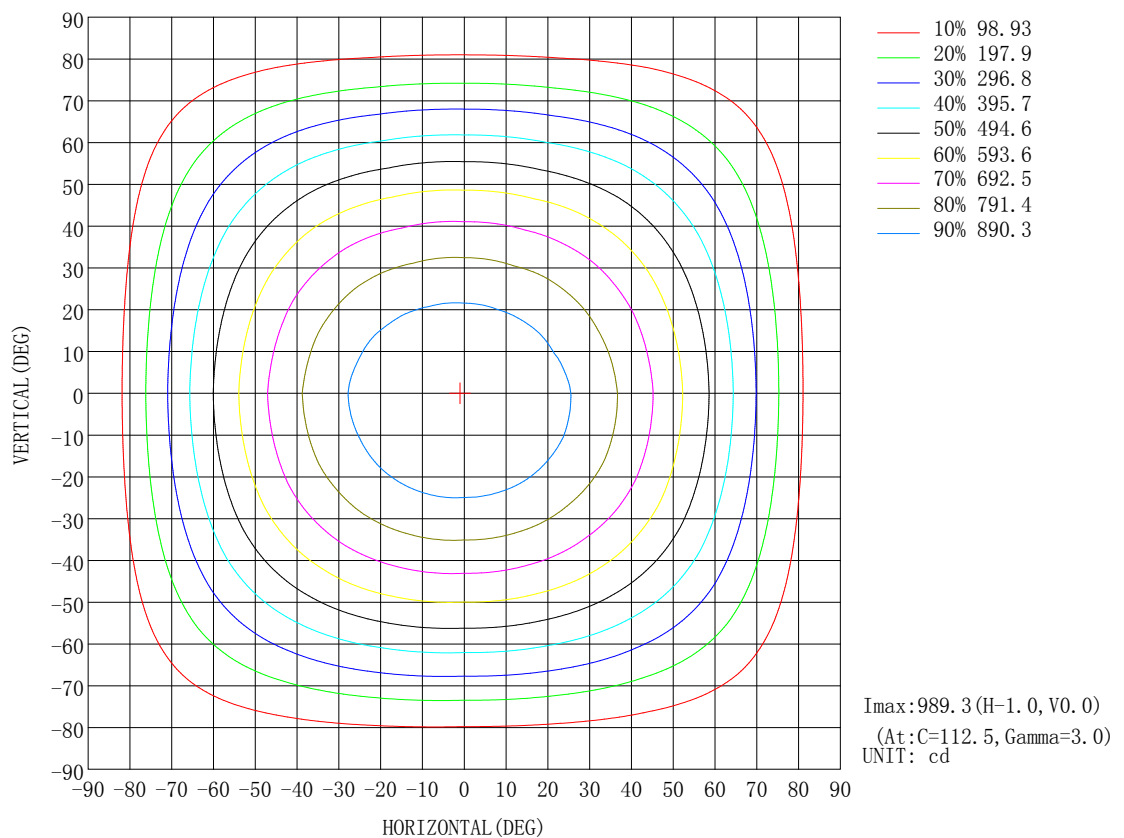
Checker: Harry Huang

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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: 2017-05-06

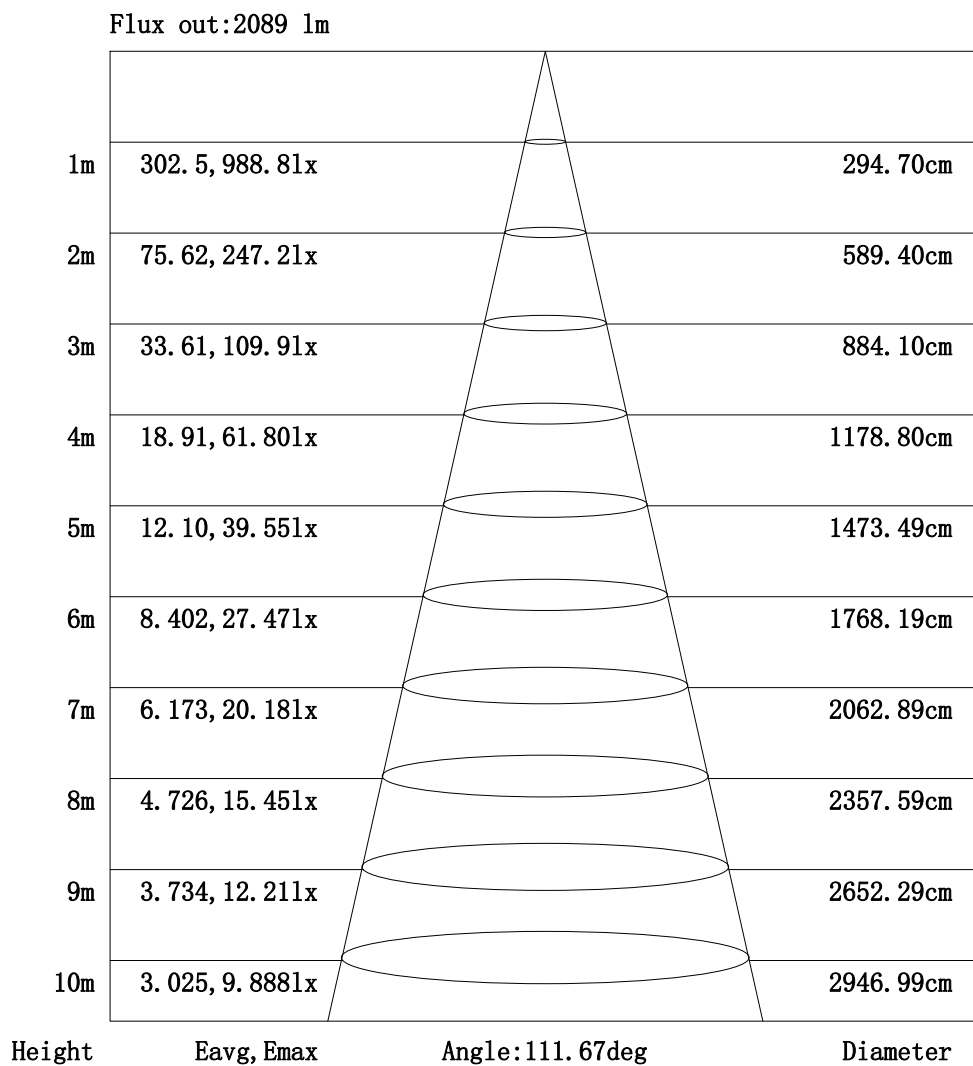
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

AAI Figure

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	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: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

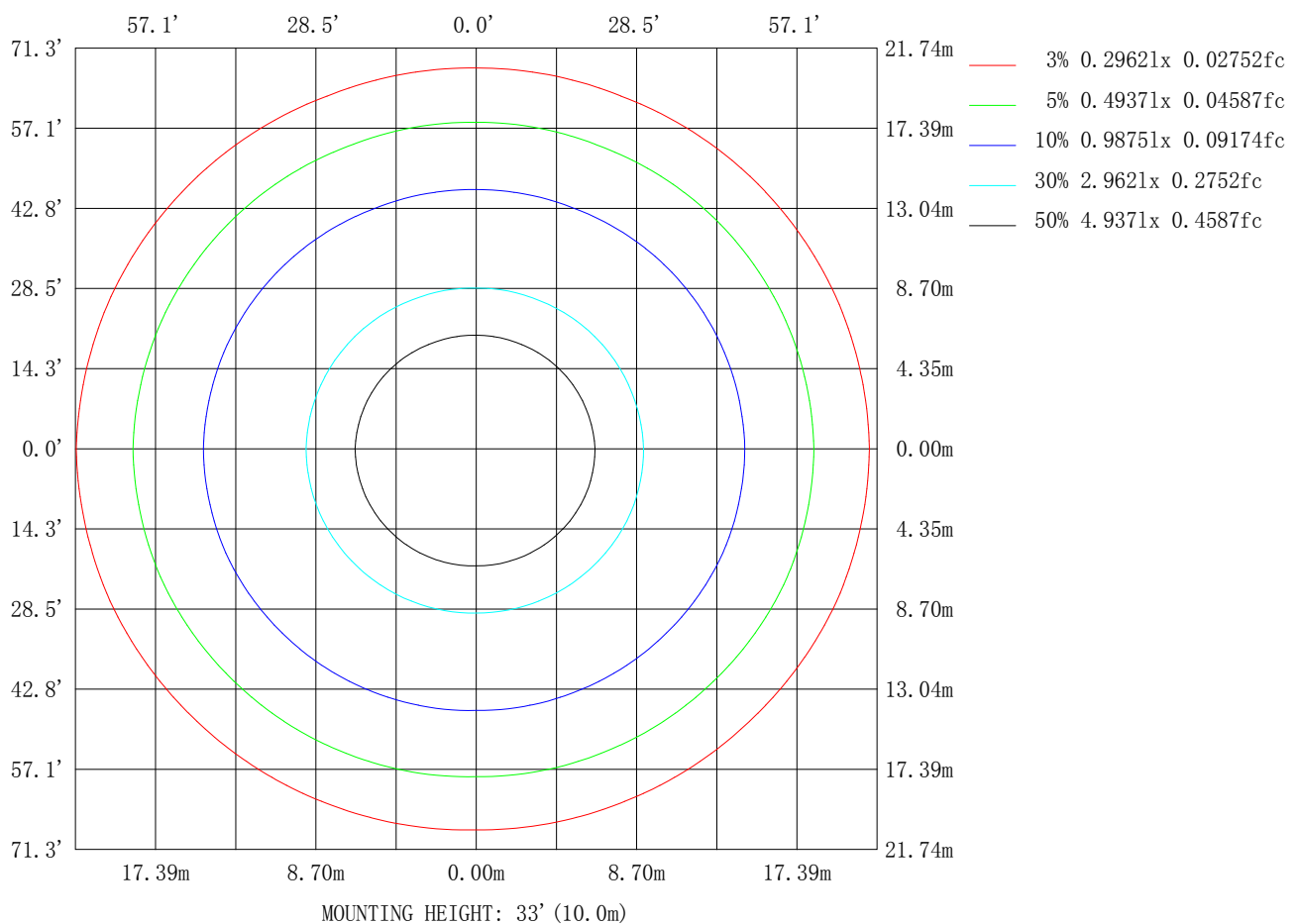
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 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:2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LED Avg.L Report

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	3249
L_0~180(75)av	2831
L_0~180(85)av	1898
L_90~270(65)av	2831
L_90~270(75)av	2396
L_90~270(85)av	1602
L_45(65)av	3028
L_45(75)av	2603
L_45(85)av	1761

Standard: GB/T 29293-2012

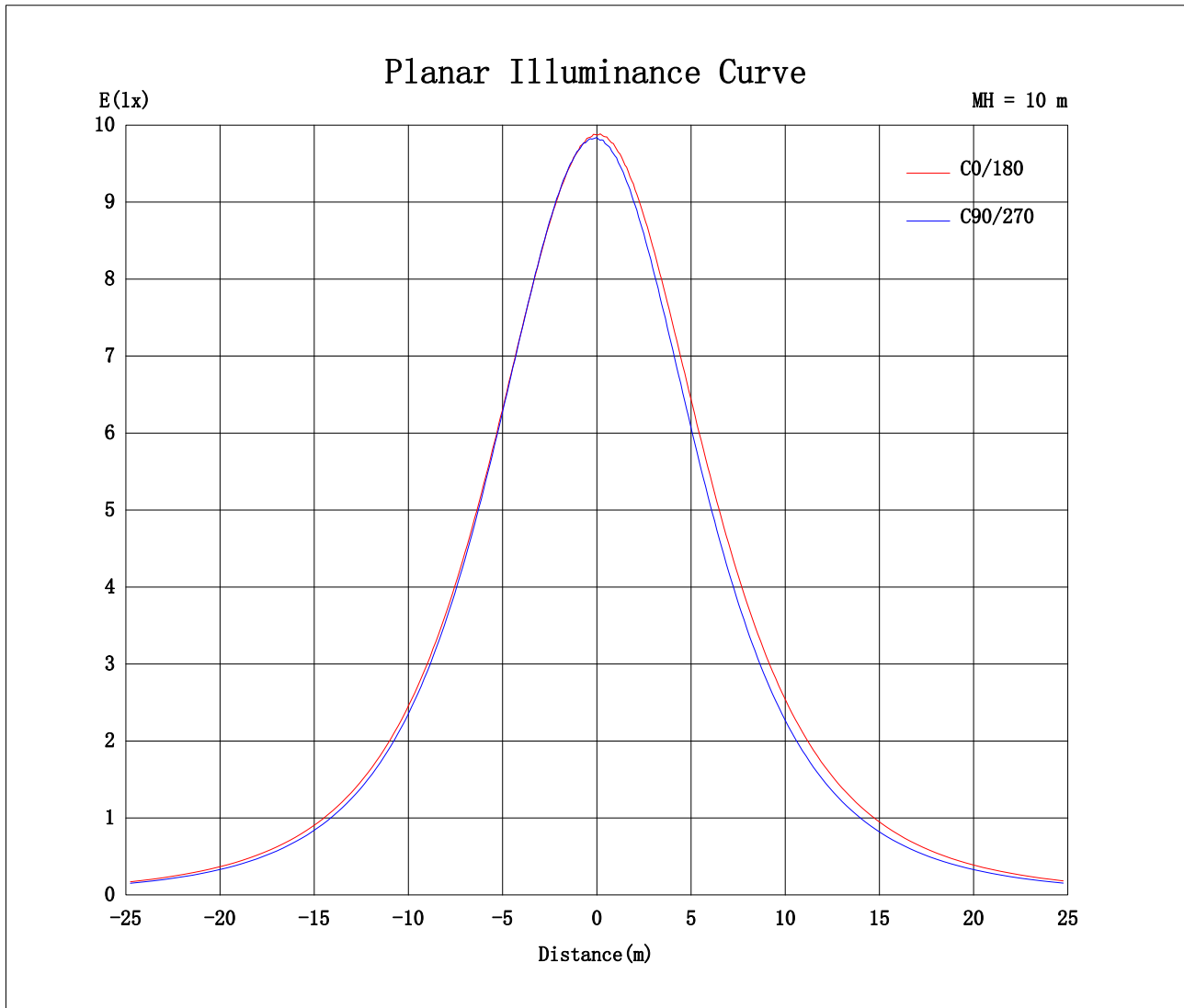
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

Checker: Harry Huang

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.4V I:0.0997A P:22.97W PF:0.9585 Freq:50.00Hz Lamp Flux:2894.86x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Table—1

UNIT: cd

C (DEG) γ (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	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984			
5	980	981	982	982	981	984	985	982	984	981	979	975	974	977	978	975			
10	967	970	971	973	973	975	975	976	973	970	966	961	959	959	961	964			
15	950	952	954	953	953	959	961	959	960	952	947	937	933	936	940	942			
20	922	927	926	927	927	932	935	938	936	928	917	906	902	902	909	916			
25	892	895	893	890	889	899	904	907	908	896	883	868	862	864	874	881			
30	851	855	850	848	846	854	863	872	870	857	840	823	817	818	829	842			
35	806	808	802	795	793	805	816	825	827	811	792	772	763	767	781	793			
40	752	753	743	737	733	745	758	774	775	759	737	714	707	709	724	741			
45	693	692	680	669	666	680	696	712	716	699	676	651	642	646	664	679			
50	624	623	608	598	593	607	625	645	649	633	608	583	574	577	595	613			
55	551	548	531	519	514	529	548	568	576	559	535	509	500	504	523	539			
60	469	465	447	437	431	445	464	487	494	479	456	431	424	427	444	461			
65	383	378	360	349	344	358	375	397	406	393	372	351	344	347	363	376			
70	292	287	270	261	257	269	285	305	314	303	286	268	264	266	279	289			
75	202	196	182	174	172	182	195	212	220	212	201	188	185	186	196	202			
80	115	110	101	97.2	95.7	103	112	123	129	126	121	113	112	112	118	119			
85	42.5	38.9	33.4	32.2	31.5	36.7	41.2	48.3	52.6	52.1	51.7	48.8	48.8	48.3	50.3	47.6			
90	0.15	0.10	0.13	0.12	0.15	0.11	0.18	0.13	0.34	4.43	0.63	3.48	1.62	3.91	2.17	2.55			
95	0.14	0.15	0.20	0.15	0.16	0.14	0.14	0.13	0.10	0.12	0.10	0.11	0.10	0.11	0.10	0.12			
100	0.18	0.17	0.21	0.29	0.33	0.28	0.21	0.17	0.13	0.14	0.14	0.18	0.16	0.20	0.13	0.14			
105	0.22	0.21	0.22	0.26	0.27	0.24	0.22	0.21	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.16			
110	0.27	0.24	0.26	0.29	0.28	0.26	0.26	0.25	0.20	0.19	0.20	0.20	0.20	0.20	0.21	0.19			
115	0.32	0.29	0.30	0.33	0.31	0.30	0.29	0.30	0.26	0.24	0.25	0.26	0.26	0.27	0.26	0.25			
120	0.39	0.34	0.35	0.39	0.34	0.34	0.34	0.36	0.31	0.31	0.31	0.33	0.33	0.34	0.32	0.31			
125	0.45	0.42	0.42	0.45	0.39	0.39	0.41	0.43	0.39	0.39	0.39	0.42	0.41	0.42	0.39	0.39			
130	0.51	0.49	0.48	0.52	0.46	0.46	0.46	0.50	0.44	0.47	0.47	0.50	0.49	0.51	0.47	0.47			
135	0.61	0.60	0.58	0.62	0.57	0.56	0.53	0.59	0.54	0.57	0.57	0.61	0.62	0.63	0.59	0.59			
140	0.69	0.71	0.75	0.73	0.70	0.67	0.66	0.66	0.67	0.70	0.76	0.78	0.80	0.82	0.81	0.74			
145	0.78	0.81	0.86	0.86	0.80	0.75	0.74	0.69	0.80	0.89	0.97	1.04	1.08	1.11	1.04	0.93			
150	0.88	0.95	0.96	0.95	0.92	0.84	0.79	0.77	0.98	1.12	1.20	1.29	1.36	1.39	1.27	1.18			
155	0.97	1.04	1.06	1.04	0.99	0.90	0.88	0.89	1.20	1.26	1.41	1.54	1.63	1.63	1.48	1.36			
160	1.08	1.10	1.15	1.12	1.05	0.97	0.96	0.96	1.38	1.41	1.63	1.69	1.81	1.84	1.67	1.49			
165	1.16	1.17	1.22	1.10	1.02	0.95	1.05	1.01	1.47	1.49	1.74	1.78	1.90	1.89	1.76	1.55			
170	1.25	1.26	1.20	1.08	1.07	0.98	1.04	1.10	1.54	1.52	1.59	1.62	1.74	1.72	1.64	1.57			
175	1.31	1.33	1.28	1.09	1.03	1.01	1.10	1.22	1.50	1.49	1.49	1.45	1.56	1.51	1.53	1.50			
180	1.42	1.41	1.36	1.26	1.34	1.24	1.32	1.36	1.42	1.41	1.37	1.26	1.34	1.24	1.32	1.36			

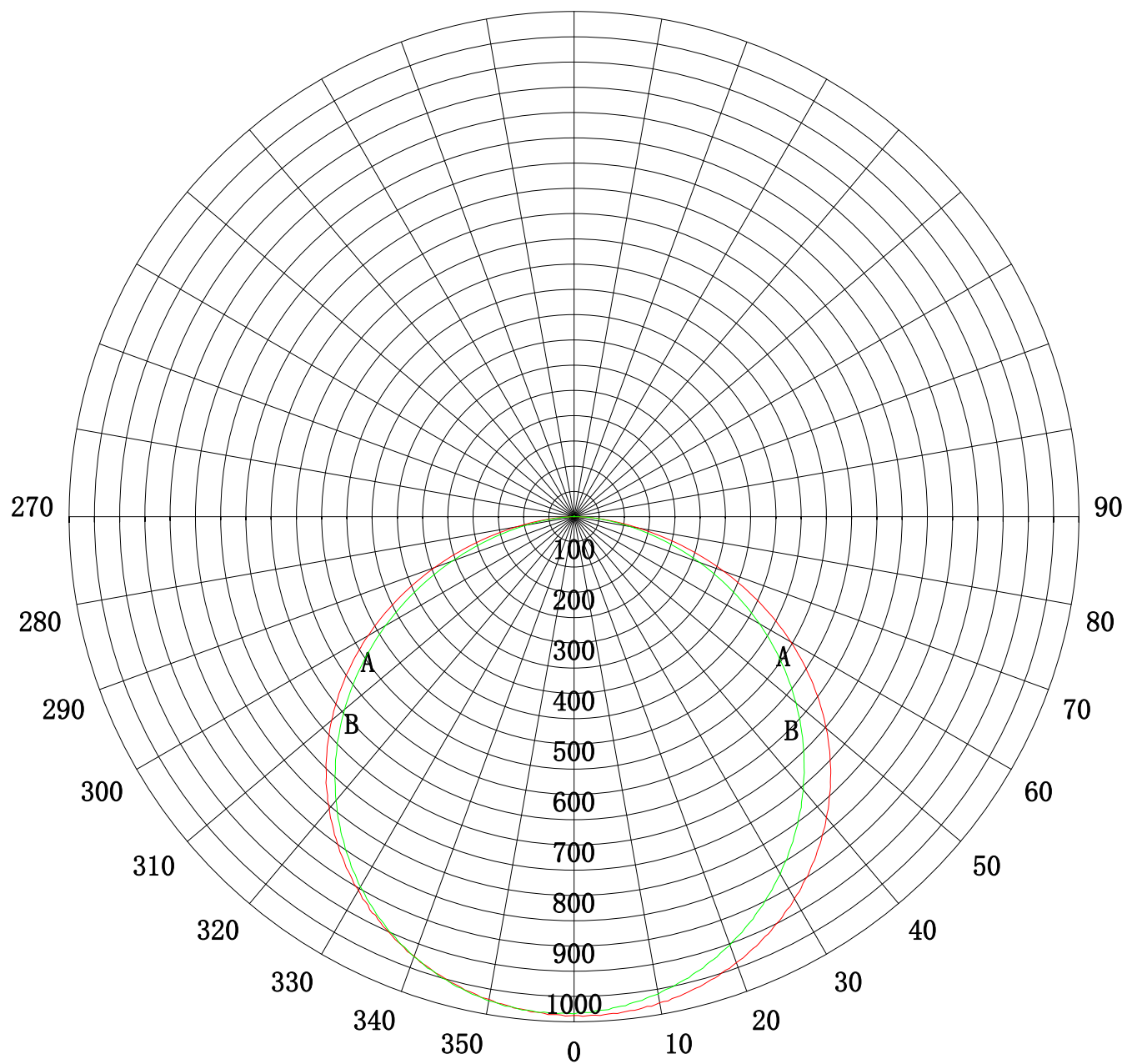
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

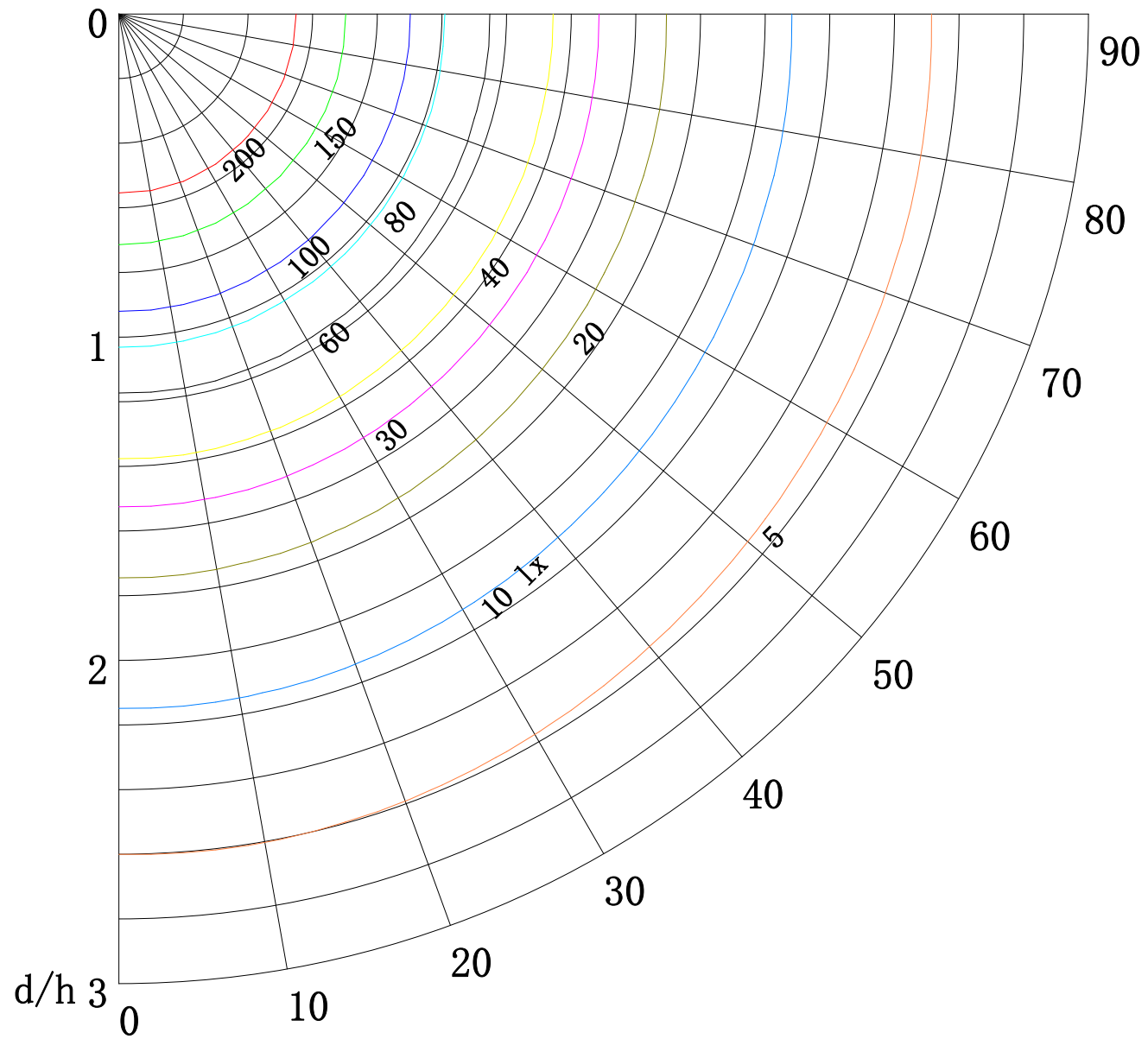
Assessor: Akin Xu

I (cd)



1000 l_m

$K = 1$



F = 1000 lm
 K = 0.7
 Hcc = 0.8 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

