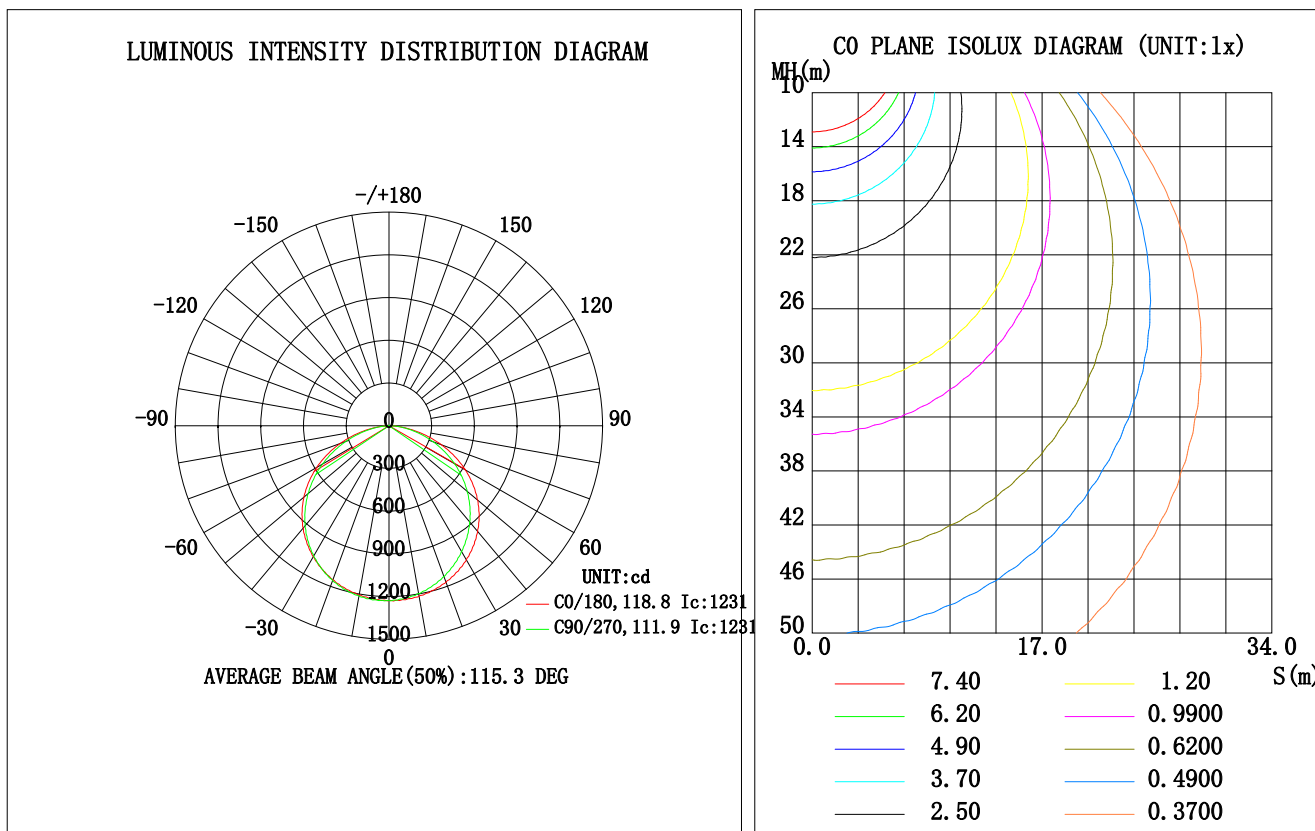


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 126.85 lm/W
MODEL	ULPL30120-30W	I _{max} (cd)	1232	S/MH(C0/180)	1.32	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	3617.7	η UP, DN(C0-180)	0.0, 50.1	
NOMINAL FLUX(lm)	3617.7	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	1222	1223	1228	1231	1226	1220	1219	1222	0- 5	29.30	29.30	0.81,0.81
10	1206	1211	1214	1218	1216	1205	1197	1200	5- 10	87.00	116.3	3.21,3.21
15	1184	1188	1192	1202	1197	1179	1168	1176	10- 15	142.0	258.3	7.14,7.14
20	1151	1155	1157	1168	1169	1145	1127	1135	15- 20	192.5	450.8	12.5,12.5
25	1112	1112	1112	1131	1133	1101	1079	1094	20- 25	237.0	687.8	19,19
30	1062	1059	1057	1078	1087	1050	1020	1036	25- 30	274.0	961.8	26.6,26.6
35	1006	997.9	990.7	1021	1032	988.1	956.3	978.0	30- 35	302.2	1264	34.9,34.9
40	938.3	926.5	916.4	948.6	969.2	921.5	882.2	905.5	35- 40	320.7	1585	43.8,43.8
45	864.2	847.2	832.5	871.7	894.9	843.0	804.5	830.9	40- 45	328.6	1913	52.9,52.9
50	779.3	757.5	741.8	781.9	812.8	760.1	716.8	745.0	45- 50	325.4	2239	61.9,61.9
55	687.6	661.9	642.9	686.7	719.6	666.9	627.4	654.9	50- 55	311.0	2550	70.5,70.5
60	585.6	557.6	539.9	581.6	618.9	569.7	529.5	557.1	55- 60	285.7	2835	78.4,78.4
65	478.3	449.1	431.0	471.2	507.9	464.5	431.5	454.4	60- 65	250.0	3085	85.3,85.3
70	364.7	337.1	322.9	357.6	393.0	358.0	329.4	349.5	65- 70	205.7	3291	91,91
75	251.6	227.7	217.2	245.5	274.8	250.6	231.9	245.4	70- 75	155.2	3446	95.3,95.3
80	143.1	126.7	121.3	141.9	161.5	150.5	139.0	146.8	75- 80	102.3	3549	98.1,98.1
85	52.92	42.01	41.13	52.87	65.90	63.97	60.44	62.09	80- 85	52.61	3601	99.5,99.5
90	2.270	0.1639	0.1892	2.348	0.2917	0.4821	1.933	2.280	85- 90	12.68	3614	99.9,99.9
95	0.1669	0.2385	0.2031	0.1685	0.1246	0.1229	0.1270	0.1267	90- 95	0.1571	3614	99.9,99.9
100	0.2022	0.2268	0.2889	0.2199	0.1546	0.1519	0.1560	0.1523	95-100	0.0957	3614	99.9,99.9
105	0.2432	0.2631	0.2984	0.2566	0.1801	0.1776	0.1792	0.1774	100-105	0.1104	3614	99.9,99.9
110	0.2924	0.2988	0.3241	0.2964	0.2219	0.2221	0.2156	0.2198	105-110	0.1251	3614	99.9,99.9
115	0.3588	0.3460	0.3564	0.3369	0.2825	0.2804	0.2813	0.2794	110-115	0.1454	3615	99.9,99.9
120	0.4325	0.4095	0.3952	0.3872	0.3464	0.3603	0.3654	0.3581	115-120	0.1704	3615	99.9,99.9
125	0.5173	0.4851	0.4537	0.4634	0.4302	0.4518	0.4656	0.4478	120-125	0.1980	3615	99.9,99.9
130	0.5951	0.5579	0.5382	0.5266	0.5033	0.5503	0.5736	0.5526	125-130	0.2241	3615	99.9,99.9
135	0.7124	0.6996	0.6648	0.6305	0.6303	0.6738	0.7324	0.6942	130-135	0.2501	3615	99.9,99.9
140	0.8108	0.8799	0.8274	0.7715	0.7899	0.9071	0.9636	0.9614	135-140	0.2869	3616	99.9,99.9
145	0.9250	1.020	0.9747	0.8775	0.9539	1.163	1.312	1.251	140-145	0.3195	3616	100,100
150	1.021	1.147	1.096	0.9420	1.163	1.449	1.662	1.527	145-150	0.3429	3616	100,100
155	1.142	1.272	1.192	1.049	1.437	1.707	1.987	1.780	150-155	0.3434	3617	100,100
160	1.297	1.407	1.263	1.186	1.665	1.981	2.206	2.021	155-160	0.3235	3617	100,100
165	1.392	1.462	1.252	1.274	1.785	2.129	2.320	2.153	160-165	0.2730	3617	100,100
170	1.494	1.457	1.288	1.263	1.869	1.993	2.157	2.042	165-170	0.2017	3618	100,100
175	1.567	1.546	1.298	1.349	1.834	1.829	1.914	1.863	170-175	0.1179	3618	100,100
180	1.719	1.654	1.619	1.615	1.722	1.654	1.620	1.618	175-180	0.0390	3618	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1913.3 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg): 2835.4 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

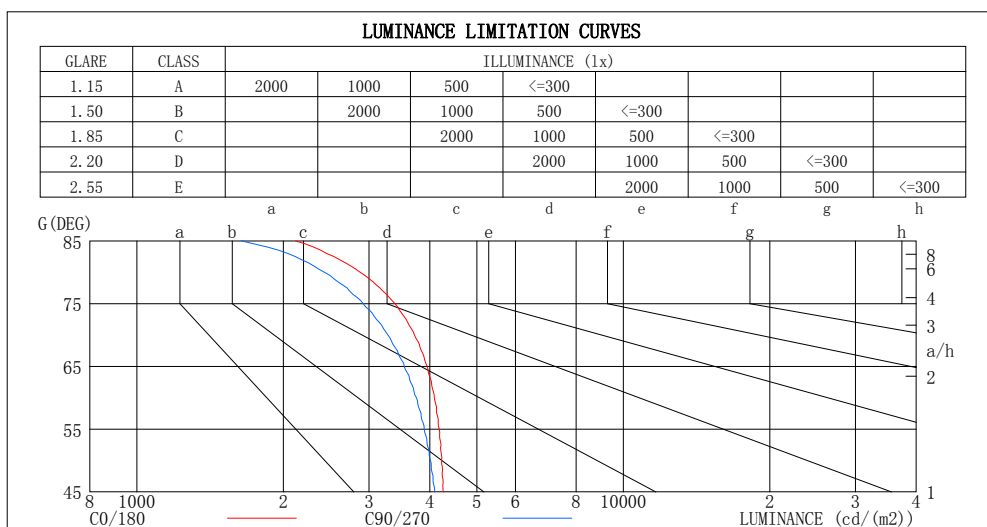
Checker: Harry Huang

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

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2119	1641
80	2876	2429
75	3392	2918
70	3721	3282
65	3949	3545
60	4087	3753
55	4183	3896
50	4231	4012
45	4265	4093

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

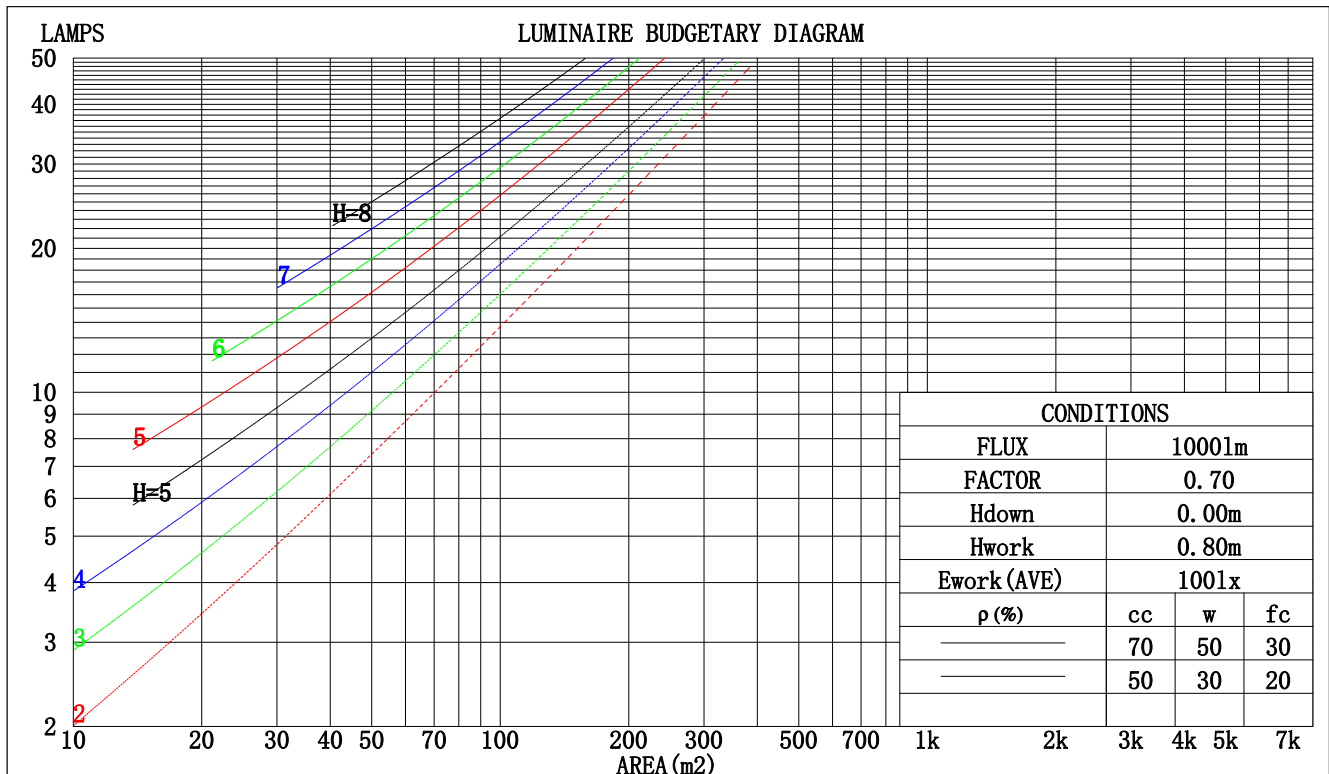
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.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	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.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:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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	.291	.167	.053	.278	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045	
3.0	.272	.145	.043	.266	.142	.043	.256	.139	.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	.107	.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	.065	.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:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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	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	15.4	16.6	16.9
	6H	16.0	17.3	16.3	17.5	17.8	15.4	16.6	15.7	16.9	17.2
	8H	16.1	17.3	16.4	17.6	17.9	15.4	16.7	15.8	17.0	17.3
	12H	16.1	17.3	16.5	17.6	17.9	15.5	16.6	15.8	16.9	17.3
4H	2H	14.0	15.4	14.3	15.6	15.9	13.7	15.1	14.1	15.3	15.6
	3H	15.7	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	18.6	16.4	17.3	16.8	17.7	18.1
	8H	17.1	18.0	17.5	18.4	18.8	16.5	17.4	16.9	17.8	18.2
	12H	17.2	18.0	17.6	18.4	18.8	16.6	17.4	17.0	17.8	18.2
8H	4H	16.7	17.6	17.1	17.9	18.3	16.2	17.1	16.6	17.5	17.9
	6H	17.3	18.0	17.7	18.4	18.9	16.8	17.5	17.2	17.9	18.3
	8H	17.5	18.2	18.0	18.6	19.1	17.0	17.6	17.4	18.0	18.5
	12H	17.7	18.2	18.1	18.7	19.1	17.1	17.6	17.5	18.1	18.6
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	17.5	17.3	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, 3618 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.5$)

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:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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

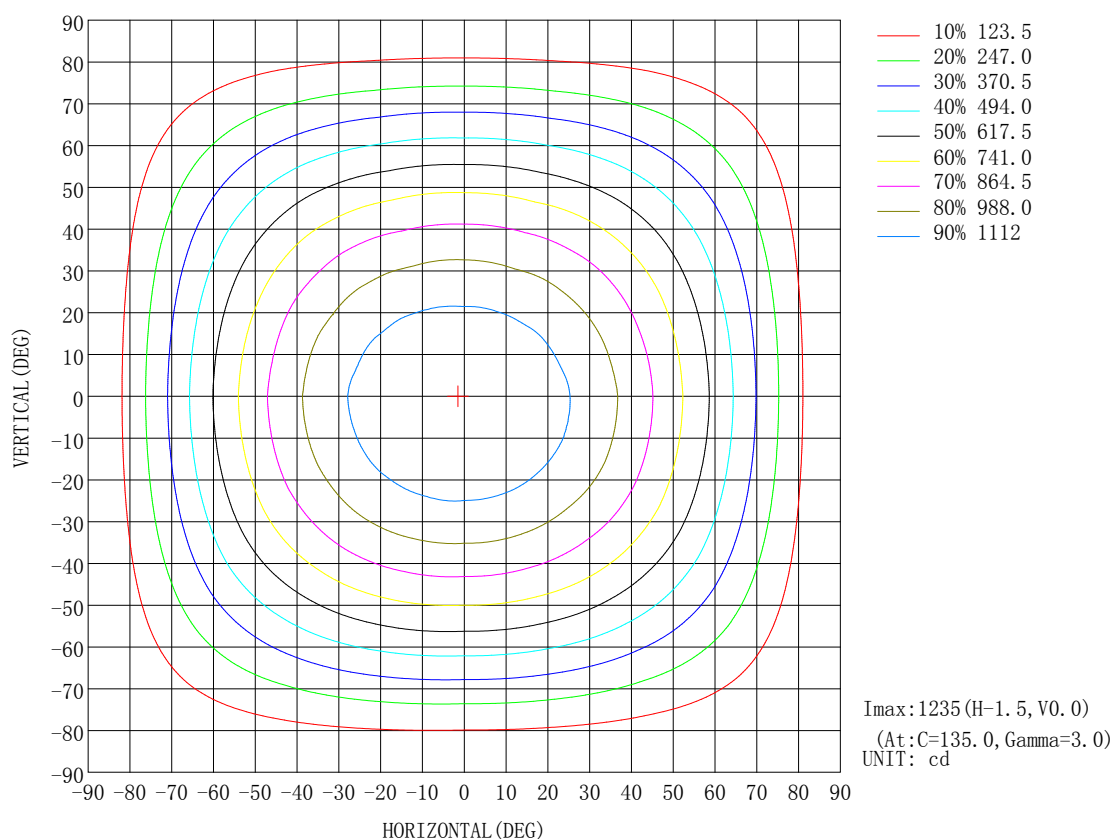
Checker: Harry Huang

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:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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

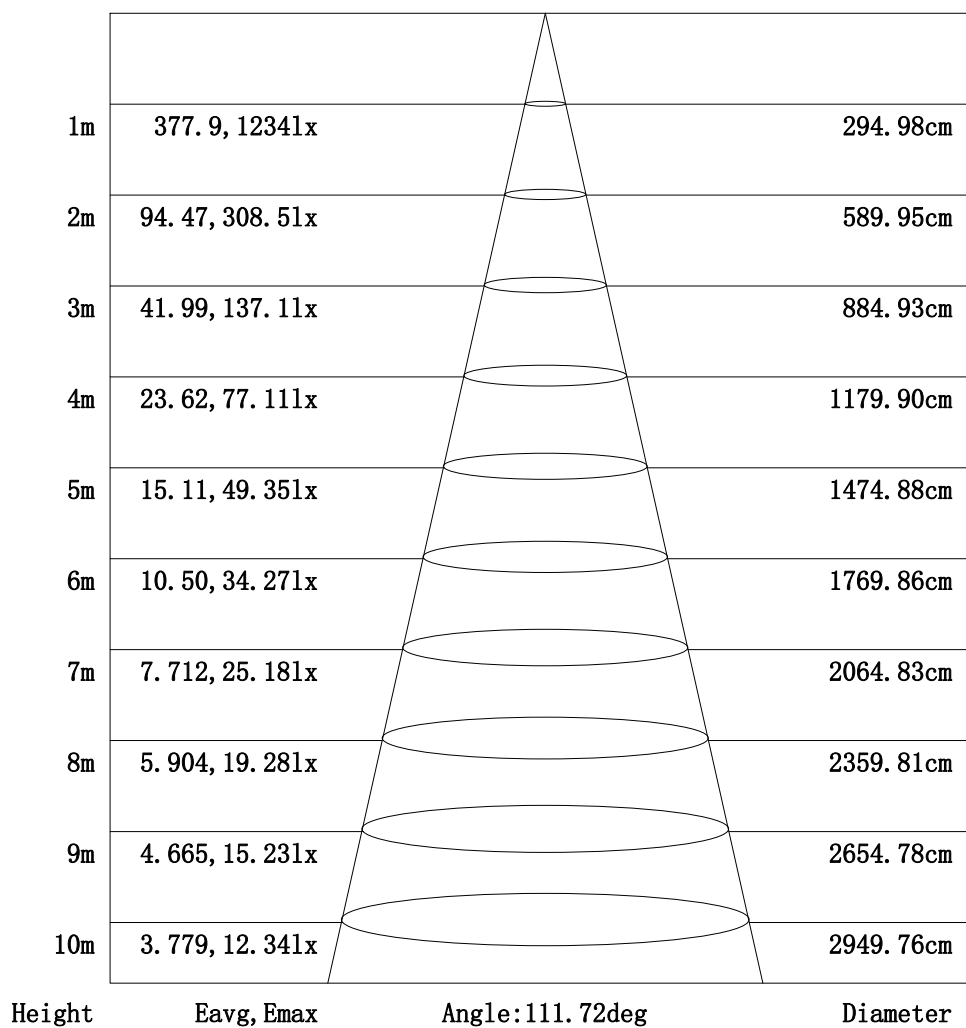
Checker: Harry Huang

Assessor: Akin Xu

AAI Figure

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Flux out:2609 lm



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

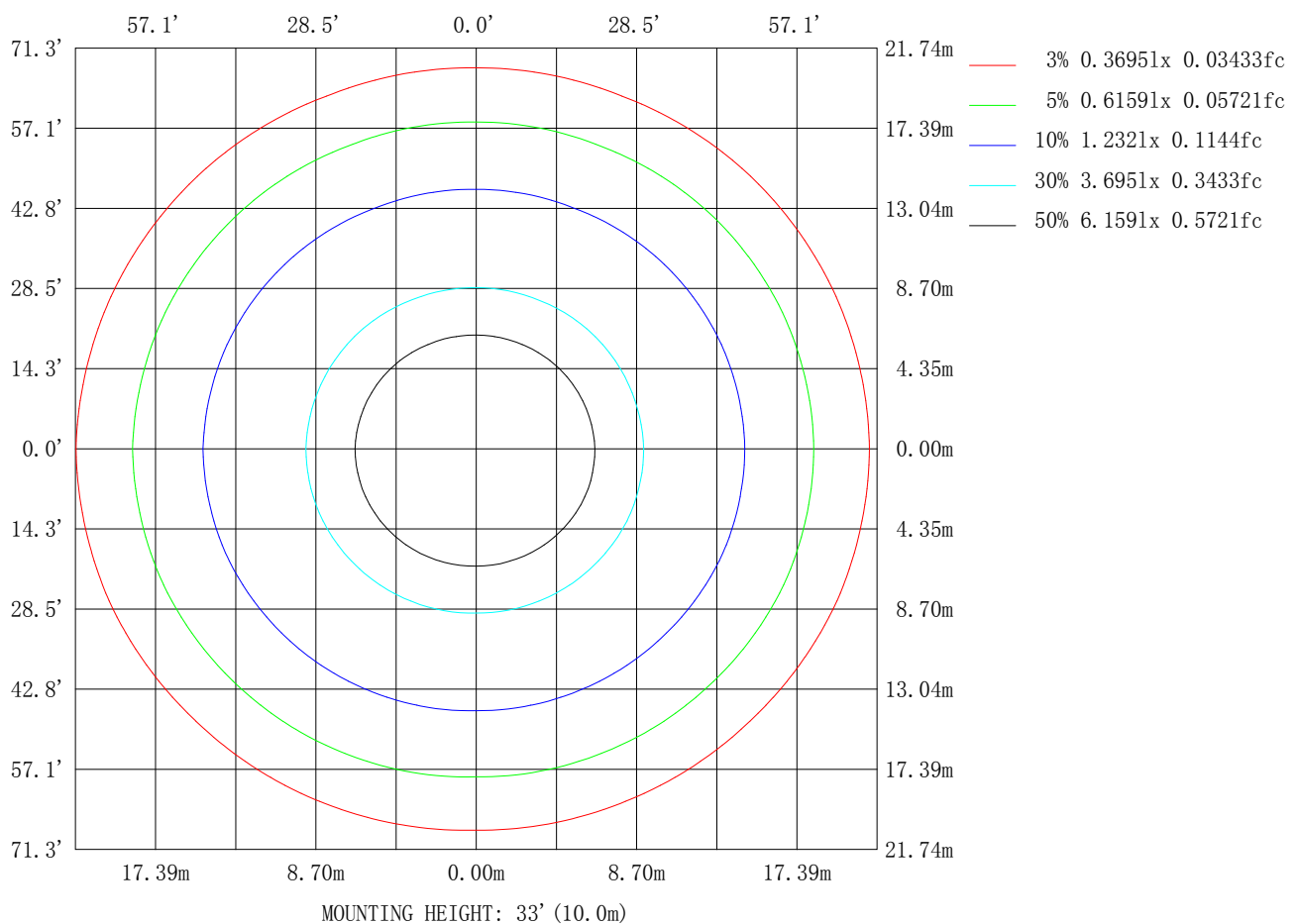
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 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

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

LED Avg.L Report

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	4058
L_0~180(75)av	3537
L_0~180(85)av	2371
L_90~270(65)av	3549
L_90~270(75)av	3018
L_90~270(85)av	2027
L_45(65)av	3784
L_45(75)av	3257
L_45(85)av	2204

Standard: GB/T 29293-2012

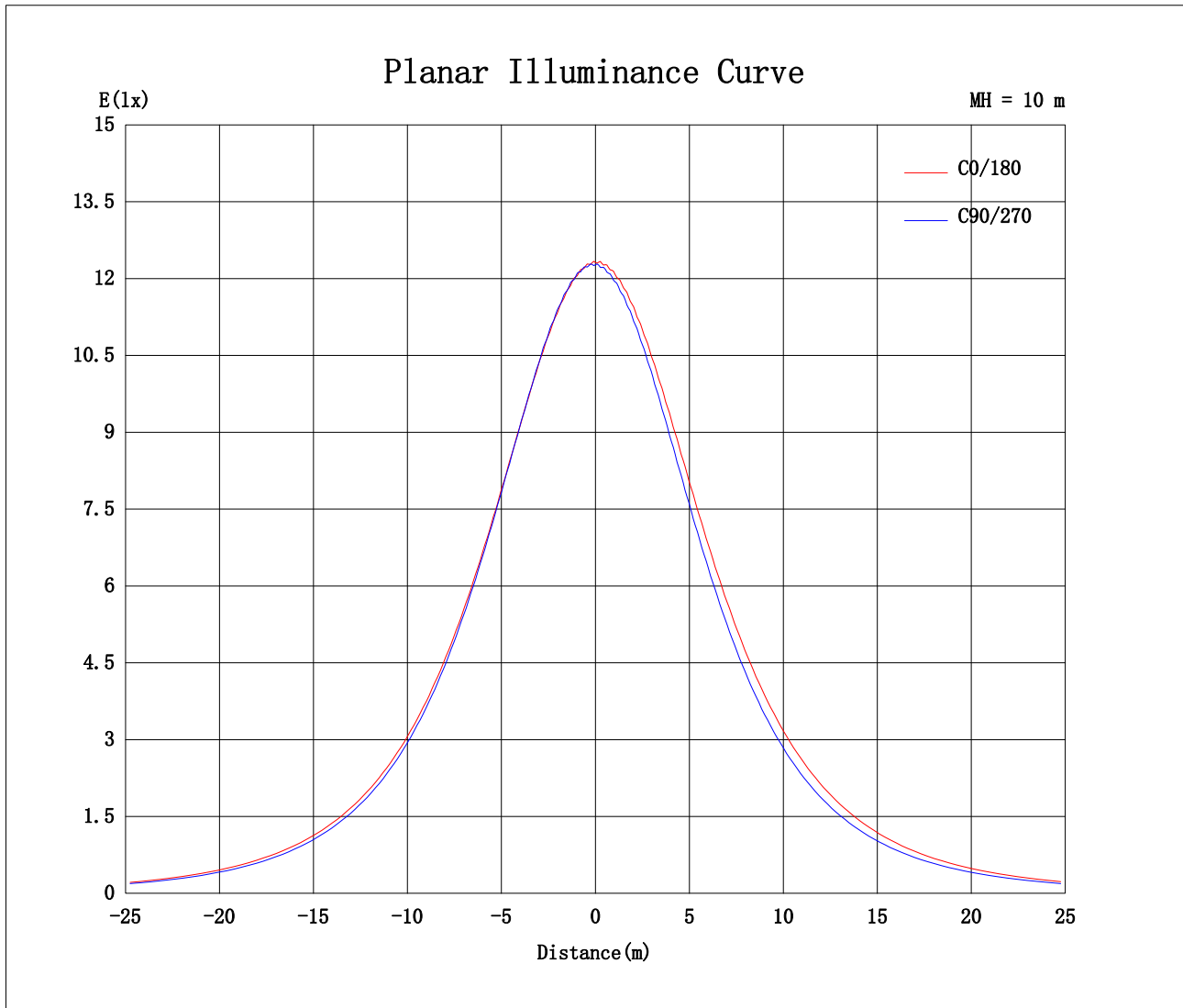
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

Checker: Harry Huang

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE 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

Planar Illuminance Curve



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.4V I:0.1281A P:28.52W PF:0.9258 Freq:50.00Hz Lamp Flux:3617.7x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Table—1

UNIT: cd

γ (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	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228	1228			
5	1222	1223	1223	1225	1228	1227	1231	1230	1226	1223	1220	1219	1219	1217	1222	1222			
10	1206	1209	1211	1214	1214	1217	1218	1217	1216	1210	1205	1199	1197	1197	1200	1203			
15	1184	1188	1188	1190	1192	1196	1202	1202	1197	1188	1179	1171	1168	1166	1176	1180			
20	1151	1157	1155	1157	1157	1162	1168	1171	1169	1158	1145	1132	1127	1127	1135	1144			
25	1112	1116	1112	1111	1112	1121	1131	1138	1133	1118	1101	1084	1079	1078	1094	1104			
30	1062	1066	1059	1058	1057	1067	1078	1088	1087	1071	1050	1028	1020	1022	1036	1052			
35	1006	1009	998	992	991	1003	1021	1035	1032	1013	988	964	956	957	978	994			
40	938	939	927	920	916	930	949	967	969	948	921	892	882	886	905	926			
45	864	864	847	835	833	849	872	894	895	872	843	815	804	806	831	852			
50	779	777	757	747	742	758	782	807	813	790	760	727	717	721	745	767			
55	688	684	662	648	643	661	687	715	720	697	667	637	627	630	655	677			
60	586	580	558	546	540	557	582	609	619	598	570	539	530	534	557	577			
65	478	473	449	436	431	449	471	500	508	490	465	439	431	433	454	472			
70	365	358	337	328	323	338	358	382	393	378	358	335	329	332	350	362			
75	252	245	228	221	217	231	246	267	275	264	251	235	232	232	245	253			
80	143	137	127	123	121	131	142	154	161	157	151	141	139	140	147	148			
85	52.9	48.9	42.0	41.6	41.1	47.8	52.9	61.3	65.9	65.1	64.0	60.2	60.4	59.7	62.1	59.6			
90	2.27	0.13	0.16	0.15	0.19	0.14	2.35	0.14	0.29	3.60	0.48	4.03	1.93	4.55	2.28	4.53			
95	0.17	0.16	0.24	0.19	0.20	0.17	0.17	0.16	0.12	0.14	0.12	0.14	0.13	0.14	0.13	0.14			
100	0.20	0.21	0.23	0.27	0.29	0.25	0.22	0.20	0.15	0.16	0.15	0.17	0.16	0.16	0.15	0.16			
105	0.24	0.24	0.26	0.29	0.30	0.27	0.26	0.24	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18			
110	0.29	0.28	0.30	0.35	0.32	0.30	0.30	0.28	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.21			
115	0.36	0.33	0.35	0.39	0.36	0.35	0.34	0.35	0.28	0.28	0.28	0.29	0.28	0.29	0.28	0.28			
120	0.43	0.39	0.41	0.46	0.40	0.39	0.39	0.42	0.35	0.36	0.36	0.38	0.37	0.38	0.36	0.35			
125	0.52	0.48	0.49	0.53	0.45	0.45	0.46	0.51	0.43	0.46	0.45	0.48	0.47	0.48	0.45	0.45			
130	0.60	0.57	0.56	0.61	0.54	0.53	0.53	0.58	0.50	0.55	0.55	0.59	0.57	0.59	0.55	0.55			
135	0.71	0.70	0.70	0.72	0.66	0.65	0.63	0.69	0.63	0.67	0.67	0.72	0.73	0.75	0.69	0.69			
140	0.81	0.84	0.88	0.87	0.83	0.78	0.77	0.78	0.79	0.83	0.91	0.93	0.96	0.99	0.96	0.88			
145	0.92	0.99	1.02	1.04	0.97	0.91	0.88	0.84	0.95	1.06	1.16	1.26	1.31	1.34	1.25	1.11			
150	1.02	1.12	1.15	1.14	1.10	0.99	0.94	0.94	1.16	1.35	1.45	1.57	1.66	1.69	1.53	1.41			
155	1.14	1.23	1.27	1.24	1.19	1.07	1.05	1.06	1.44	1.56	1.71	1.88	1.99	1.98	1.78	1.66			
160	1.30	1.32	1.41	1.34	1.26	1.15	1.19	1.17	1.67	1.75	1.98	2.06	2.21	2.24	2.02	1.86			
165	1.39	1.43	1.46	1.33	1.25	1.16	1.27	1.24	1.78	1.85	2.13	2.16	2.32	2.29	2.15	1.93			
170	1.49	1.52	1.46	1.28	1.29	1.18	1.26	1.35	1.87	1.87	1.99	2.03	2.16	2.13	2.04	1.90			
175	1.57	1.59	1.55	1.34	1.30	1.24	1.35	1.48	1.83	1.81	1.83	1.77	1.91	1.84	1.86	1.82			
180	1.72	1.70	1.65	1.55	1.62	1.51	1.62	1.67	1.72	1.71	1.65	1.54	1.62	1.51	1.62	1.67			

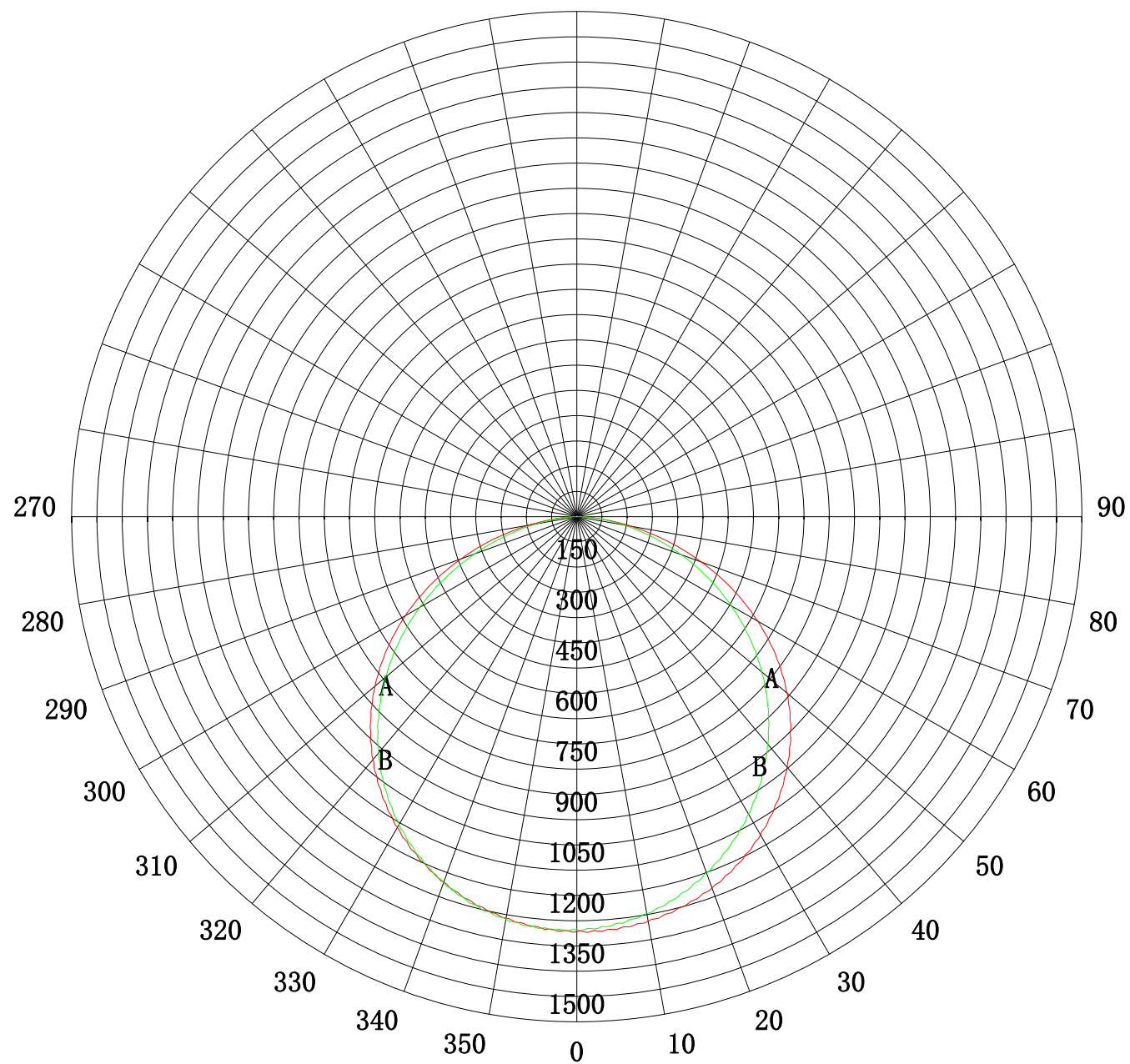
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
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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

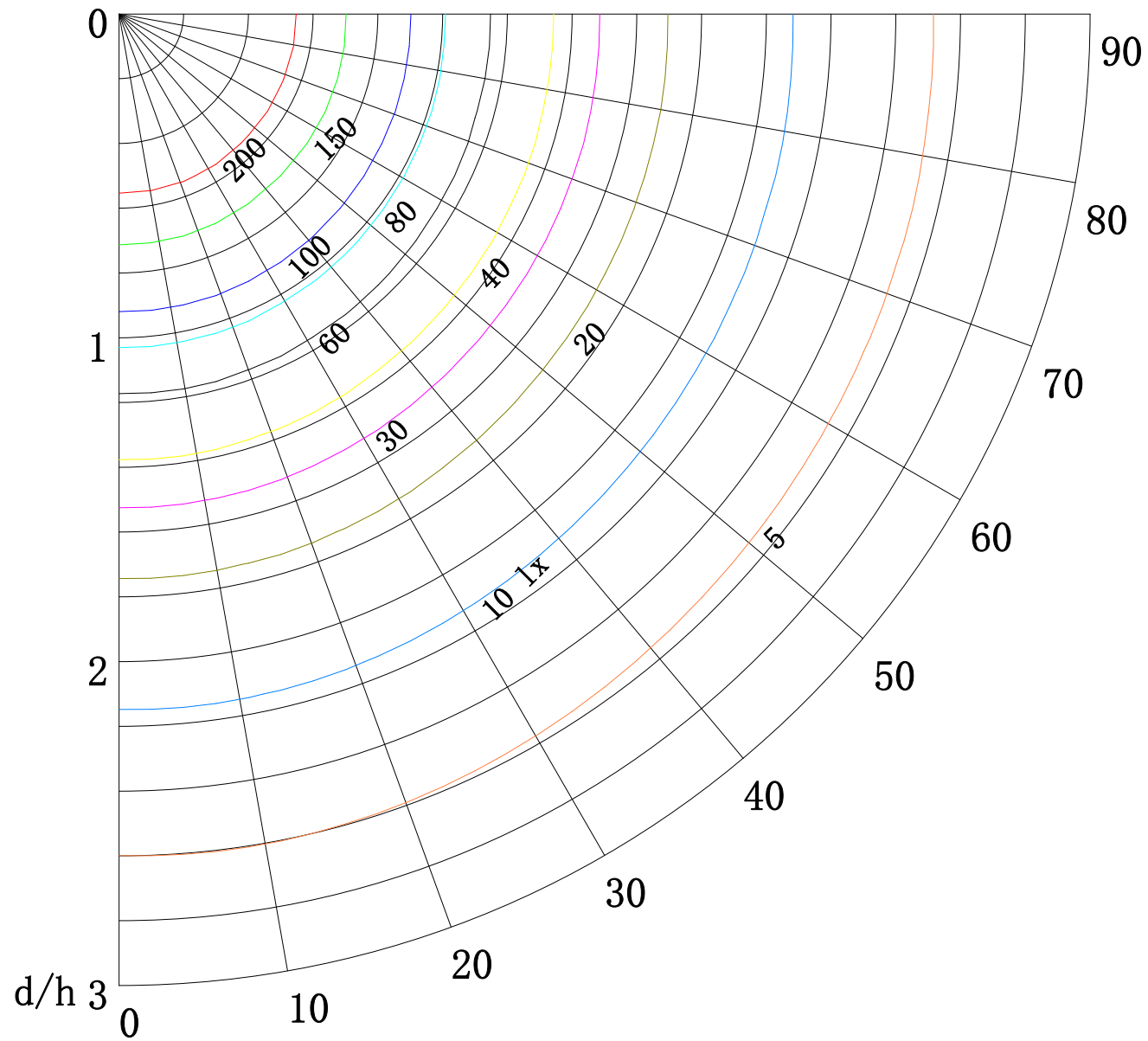
Assessor: Akin Xu

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

