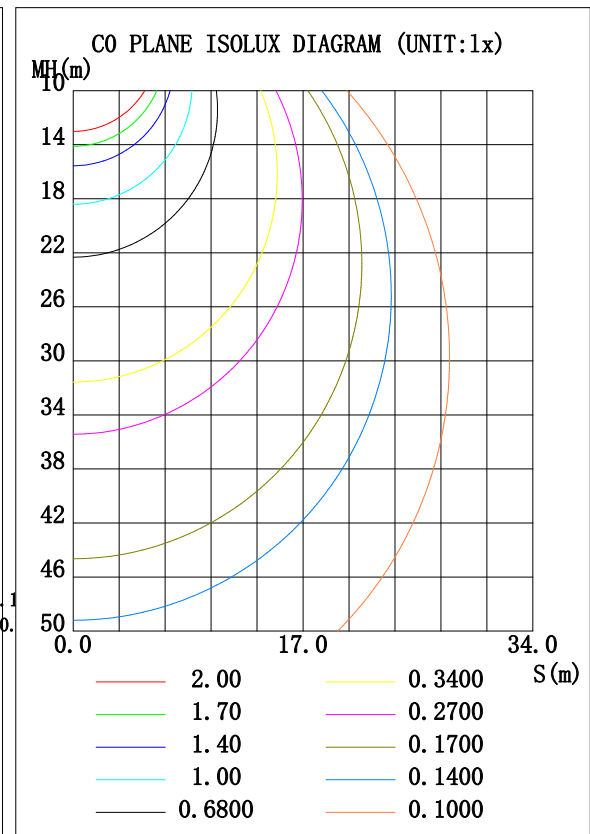
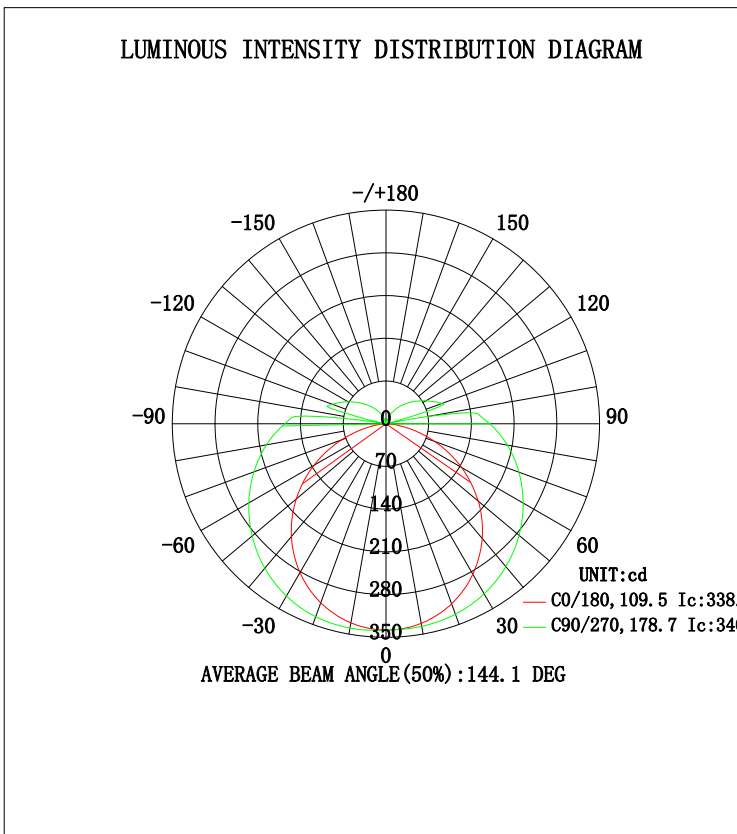


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No:
MFR:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.86 lm/W
MODEL	W5447C MLS9004K	I _{max} (cd)	340.0	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.43	
RATED VOLTAGE(V)	240	TOTAL FLUX(1m)	1547.9	η UP, DN(C0-180)	6.7, 43.0	
NOMINAL FLUX(1m)	1547.9	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	7.3, 43.0	
LAMPS INSIDE	1	η up (%)	14.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	240	η down (%)	86.0	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

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	336.3	338.2	339.5	338.3	336.7	337.0	337.8	336.9	0- 5	8.078	8.078	0.52,0.52
10	331.3	336.3	340.0	336.6	332.2	334.6	337.0	334.2	5- 10	24.08	32.15	2.08,2.08
15	323.2	332.3	339.0	333.0	324.6	330.2	335.3	329.7	10- 15	39.53	71.68	4.63,4.63
20	312.3	326.0	336.5	327.0	314.0	323.7	332.1	323.2	15- 20	54.02	125.7	8.12,8.12
25	298.4	317.6	332.2	319.1	300.7	315.3	327.6	314.7	20- 25	67.16	192.9	12.5,12.5
30	281.7	307.2	326.1	309.0	284.6	305.1	321.8	304.5	25- 30	78.59	271.5	17.5,17.5
35	262.5	294.7	318.3	297.0	266.0	293.0	314.4	292.4	30- 35	88.01	359.5	23.2,23.2
40	241.1	280.6	308.9	283.3	245.2	279.6	305.6	278.9	35- 40	95.21	454.7	29.4,29.4
45	217.5	265.0	298.1	268.1	222.4	264.7	295.6	264.0	40- 45	100.1	554.7	35.8,35.8
50	192.1	248.3	286.1	251.8	197.3	248.8	284.5	248.1	45- 50	102.5	657.2	42.5,42.5
55	164.9	230.8	273.2	234.7	170.4	232.2	272.5	231.5	50- 55	102.6	759.8	49.1,49.1
60	136.4	212.8	259.5	216.9	142.7	215.0	259.5	214.3	55- 60	100.4	860.2	55.6,55.6
65	107.1	194.7	245.0	198.9	114.0	197.8	245.8	196.7	60- 65	96.31	956.5	61.8,61.8
70	77.56	176.8	230.0	181.2	84.80	179.7	231.7	179.0	65- 70	90.46	1047	67.6,67.6
75	48.98	159.3	214.6	163.7	56.25	162.8	217.1	162.0	70- 75	83.33	1130	73,73
80	23.70	142.4	199.1	146.7	30.04	146.4	202.2	145.7	75- 80	75.33	1206	77.9,77.9
85	6.210	126.2	182.4	130.5	9.640	130.8	186.0	130.3	80- 85	67.06	1273	82.2,82.2
90	0.1680	110.5	165.9	114.5	0.1753	115.6	169.9	115.2	85- 90	59.09	1332	86,86
95	0.2767	20.46	143.2	70.52	0.2127	95.66	154.6	99.97	90- 95	49.81	1382	89.3,89.3
100	0.4561	55.17	4.258	12.62	0.4629	7.501	68.10	3.771	95-100	22.75	1404	90.7,90.7
105	0.5474	53.89	75.04	55.44	0.5089	56.21	17.29	56.62	100-105	13.77	1418	91.6,91.6
110	0.5701	48.83	93.78	50.13	0.5392	49.98	97.64	51.25	105-110	24.92	1443	93.2,93.2
115	0.5760	43.96	82.79	45.07	0.5626	45.74	86.15	46.38	110-115	23.30	1466	94.7,94.7
120	0.5711	38.78	72.06	39.87	0.5240	40.95	75.26	41.12	115-120	19.91	1486	96,96
125	0.6062	33.53	61.96	34.59	0.5471	34.96	65.39	35.31	120-125	16.54	1503	97.1,97.1
130	0.5221	28.62	52.49	29.63	0.5233	29.62	55.95	30.47	125-130	13.37	1516	98,98
135	0.5721	23.68	43.72	24.71	0.5921	25.61	46.92	25.78	130-135	10.41	1527	98.6,98.6
140	0.5481	19.30	35.79	20.16	0.5800	20.12	38.85	20.74	135-140	7.572	1534	99.1,99.1
145	0.5814	15.39	28.47	16.16	0.6218	16.23	30.89	16.41	140-145	5.609	1540	99.5,99.5
150	0.5593	8.343	21.90	12.38	0.7108	13.21	23.43	12.11	145-150	4.023	1544	99.7,99.7
155	0.6152	0.6696	16.09	0.5909	0.7995	0.8635	17.73	0.8503	150-155	2.236	1546	99.9,99.9
160	0.6618	4.513	0.7692	4.926	0.8924	3.600	3.205	4.836	155-160	1.022	1547	99.9,99.9
165	0.6863	2.456	5.508	3.035	0.9242	4.220	4.011	3.786	160-165	0.4236	1547	100,100
170	0.7266	0.9643	2.326	1.141	0.9164	2.292	3.679	1.935	165-170	0.3070	1548	100,100
175	0.7245	0.7074	0.5984	0.6688	0.8602	0.8852	1.149	0.8467	170-175	0.0869	1548	100,100
180	0.7959	0.7587	0.7159	0.7527	0.7989	0.7604	0.7180	0.7545	175-180	0.0184	1548	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 554.74 lm

%lum = 35.8%
%lamp = 35.8%

Conical surface Flux(120deg): 860.24 lm

%lum = 55.6%
%lamp = 55.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Near
Test Date:2018-03-29

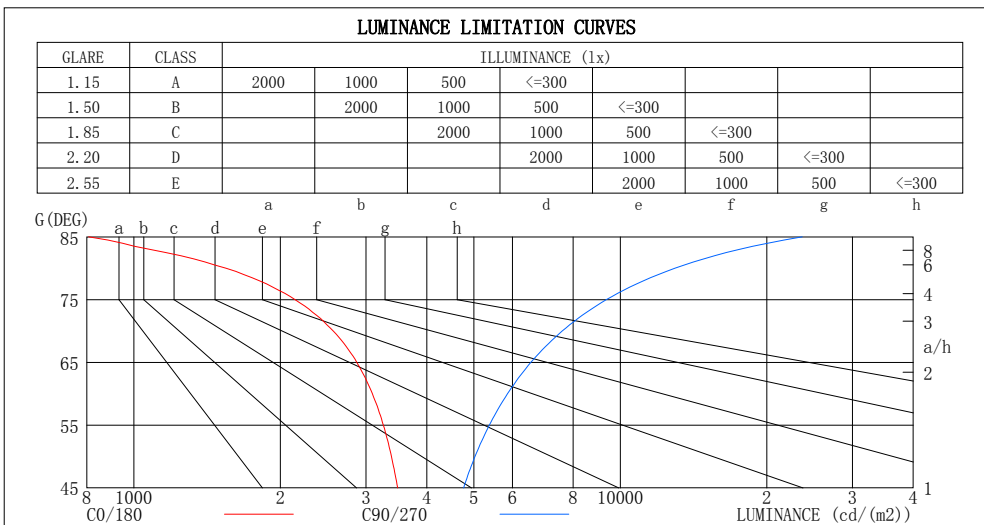
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.686m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No:
MFR:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

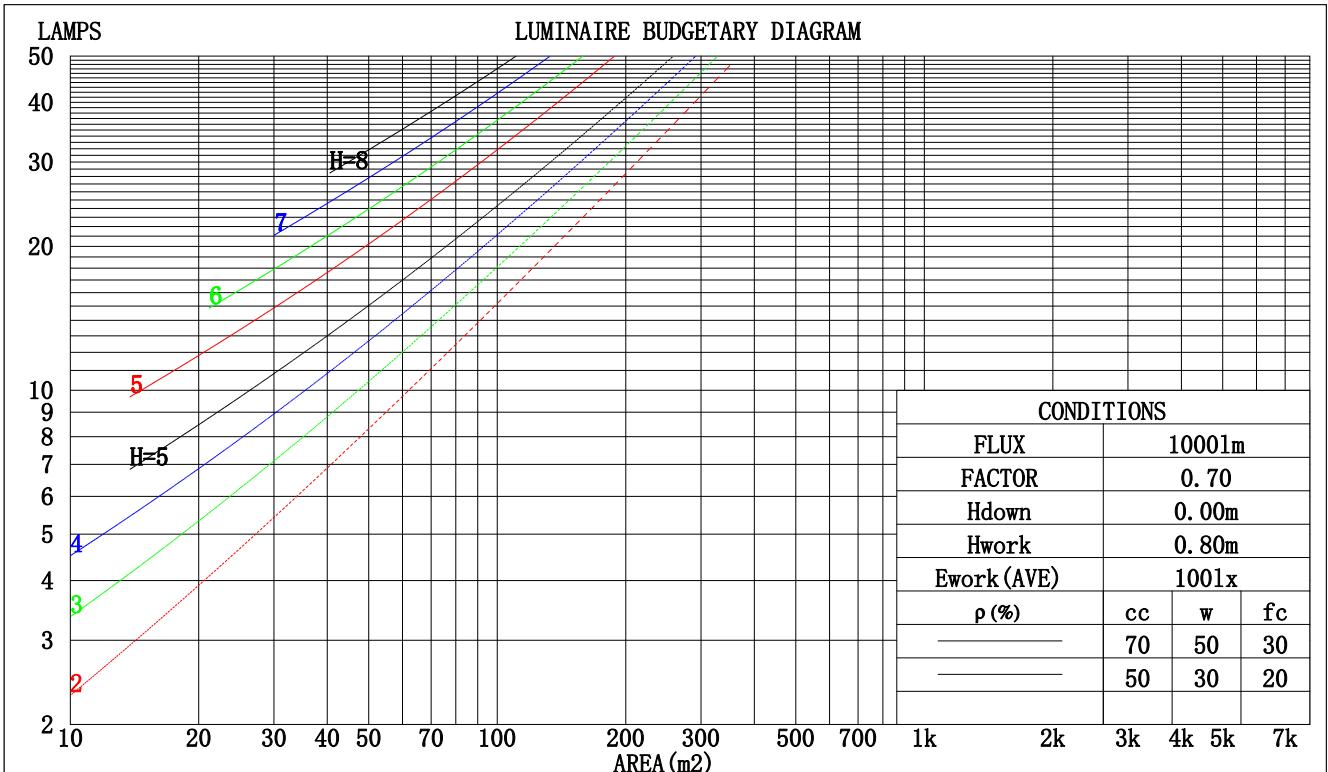
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.96	.90	.85	.92	.87	.83	.85	.81	.78	.79	.76	.73	.73	.70	.68	.65
2.0	.82	.74	.67	.79	.71	.65	.73	.67	.61	.67	.62	.58	.62	.58	.55	.51
3.0	.71	.62	.54	.68	.60	.53	.63	.56	.50	.58	.52	.48	.54	.49	.45	.42
4.0	.62	.53	.45	.60	.51	.44	.55	.48	.42	.51	.45	.40	.48	.42	.38	.35
5.0	.55	.45	.38	.53	.44	.37	.49	.42	.36	.46	.39	.34	.43	.37	.32	.30
6.0	.49	.40	.33	.48	.39	.32	.44	.37	.31	.41	.35	.30	.38	.33	.28	.26
7.0	.44	.35	.29	.43	.34	.28	.40	.33	.27	.37	.31	.26	.35	.29	.25	.22
8.0	.40	.32	.25	.39	.31	.25	.37	.29	.24	.34	.28	.23	.32	.26	.22	.20
9.0	.37	.28	.23	.36	.28	.22	.34	.26	.21	.32	.25	.21	.30	.24	.20	.18
10.0	.34	.26	.20	.33	.25	.20	.31	.24	.19	.29	.23	.19	.27	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	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	.397	.226	.071	.385	.220	.070	.364	.209	.067	.344	.198	.064	.326	.189	.061	
2.0	.342	.187	.057	.331	.183	.056	.312	.173	.054	.294	.165	.052	.277	.157	.049	
3.0	.303	.161	.048	.293	.157	.047	.276	.149	.045	.259	.142	.044	.244	.135	.042	
4.0	.272	.141	.042	.263	.138	.041	.247	.131	.039	.233	.125	.038	.219	.119	.036	
5.0	.247	.126	.036	.239	.123	.036	.225	.117	.034	.211	.111	.033	.199	.106	.032	
6.0	.226	.113	.032	.219	.110	.032	.206	.105	.031	.193	.101	.030	.182	.096	.028	
7.0	.208	.103	.029	.202	.100	.029	.190	.096	.028	.178	.092	.027	.168	.087	.026	
8.0	.193	.094	.026	.187	.092	.026	.176	.088	.025	.166	.084	.024	.156	.080	.023	
9.0	.179	.087	.024	.174	.085	.024	.164	.081	.023	.155	.078	.022	.146	.074	.021	
10.0	.168	.080	.022	.163	.079	.022	.154	.075	.021	.145	.072	.020	.137	.069	.020	

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	.297	.297	.297	.254	.254	.254	.173	.173	.173	.099	.099	.099	.032	.032	.032	
1.0	.294	.263	.235	.251	.225	.202	.172	.155	.140	.099	.090	.081	.032	.029	.026	
2.0	.287	.240	.200	.246	.206	.173	.168	.143	.121	.097	.083	.071	.031	.027	.023	
3.0	.279	.223	.178	.239	.192	.155	.164	.134	.108	.095	.078	.064	.031	.025	.021	
4.0	.271	.210	.164	.233	.182	.142	.160	.127	.100	.093	.074	.059	.030	.024	.020	
5.0	.264	.201	.154	.226	.174	.134	.156	.121	.095	.090	.071	.056	.029	.023	.019	
6.0	.256	.193	.147	.220	.167	.128	.152	.117	.091	.088	.069	.054	.028	.022	.018	
7.0	.249	.186	.142	.214	.161	.124	.148	.113	.088	.086	.067	.052	.028	.022	.017	
8.0	.242	.180	.138	.208	.156	.120	.144	.110	.085	.084	.065	.051	.027	.021	.017	
9.0	.236	.176	.135	.203	.152	.118	.141	.107	.084	.082	.063	.050	.027	.021	.017	
10.0	.230	.171	.133	.198	.149	.116	.137	.105	.082	.080	.062	.049	.026	.020	.016	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm										
NAME: MLS900CCT					TYPE:LED Lamp			WEIGHT:		
SPEC.:4000K					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	14.3	15.8	14.8	16.2	16.7	16.8	18.2	17.3	18.7	19.2
3H	15.7	17.1	16.2	17.5	18.1	19.5	20.9	20.0	21.4	21.9
4H	16.2	17.5	16.8	18.0	18.6	21.1	22.3	21.6	22.8	23.4
6H	16.6	17.8	17.1	18.3	18.9	22.7	23.9	23.2	24.4	25.0
8H	16.6	17.8	17.2	18.3	18.9	23.6	24.8	24.2	25.3	25.9
12H	16.6	17.8	17.2	18.3	18.9	24.7	25.8	25.3	26.4	27.0
4H 2H	15.6	16.9	16.1	17.4	17.9	17.4	18.6	17.9	19.1	19.7
3H	17.3	18.4	17.9	19.0	19.6	20.4	21.5	20.9	22.0	22.6
4H	18.1	19.1	18.6	19.7	20.3	22.1	23.1	22.7	23.7	24.3
6H	18.6	19.5	19.2	20.1	20.8	24.0	24.9	24.6	25.5	26.2
8H	18.8	19.6	19.4	20.3	20.9	25.0	25.9	25.6	26.5	27.2
12H	18.9	19.7	19.5	20.3	21.0	26.2	27.0	26.8	27.6	28.4
8H 4H	19.3	20.2	19.9	20.8	21.5	22.4	23.3	23.0	23.9	24.6
6H	20.3	21.0	20.9	21.7	22.4	24.6	25.4	25.3	26.0	26.7
8H	20.7	21.4	21.4	22.0	22.8	25.9	26.6	26.6	27.2	28.0
12H	21.0	21.6	21.7	22.3	23.0	27.4	28.0	28.1	28.6	29.4
12H 4H	19.7	20.5	20.3	21.1	21.8	22.4	23.3	23.1	23.9	24.6
6H	21.0	21.6	21.6	22.3	23.0	24.8	25.4	25.4	26.1	26.8
8H	21.6	22.2	22.3	22.9	23.6	26.1	26.7	26.8	27.4	28.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 1548 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.5)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	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	36	29	47	36	28	46	35	28	21
0.80	58	45	36	56	44	36	54	43	35	27
1.00	65	52	44	64	51	43	60	52	42	34
1.25	72	60	51	70	58	50	66	56	49	39
1.50	77	65	57	75	64	56	70	61	54	44
2.00	85	74	65	82	72	64	77	68	62	50
2.50	89	79	71	86	77	70	80	73	66	54
3.00	93	84	76	90	81	74	83	77	71	58
4.00	98	90	83	94	87	81	87	82	77	63
5.00	101	94	88	97	91	85	90	85	81	67
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:Near
 Test Date:2018-03-29

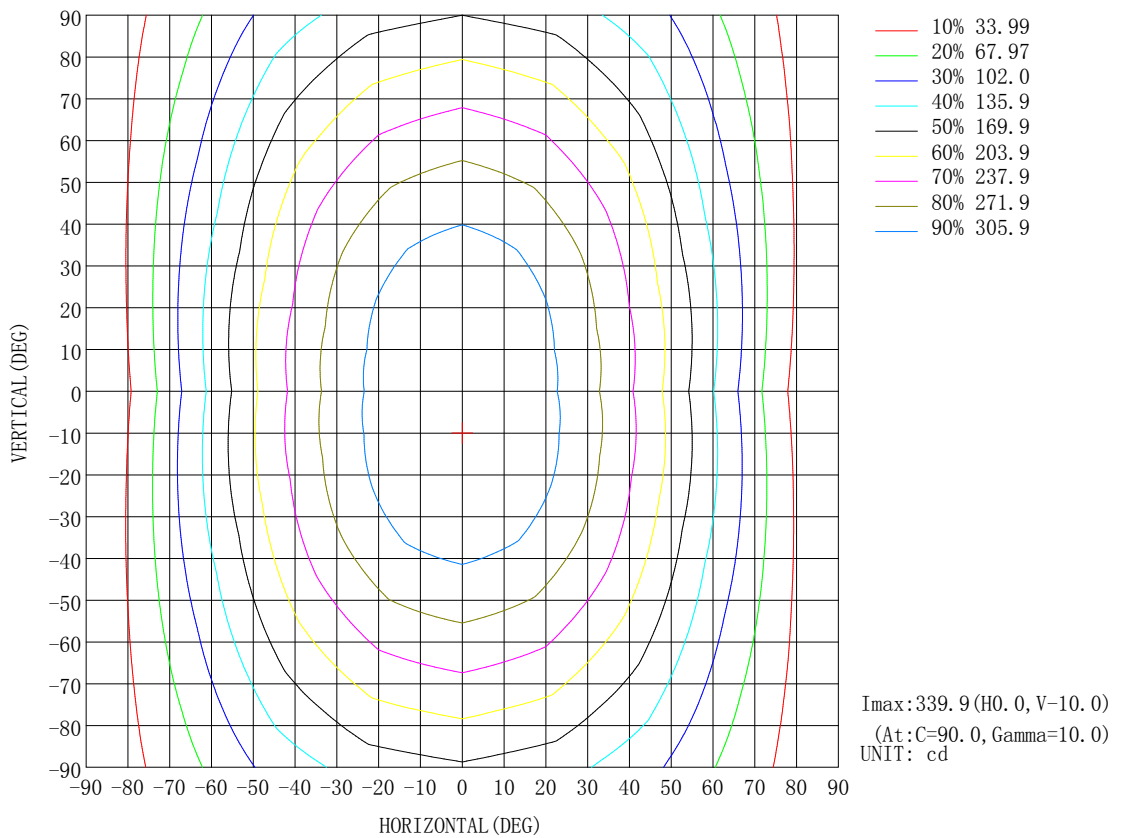
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No:
MFR:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

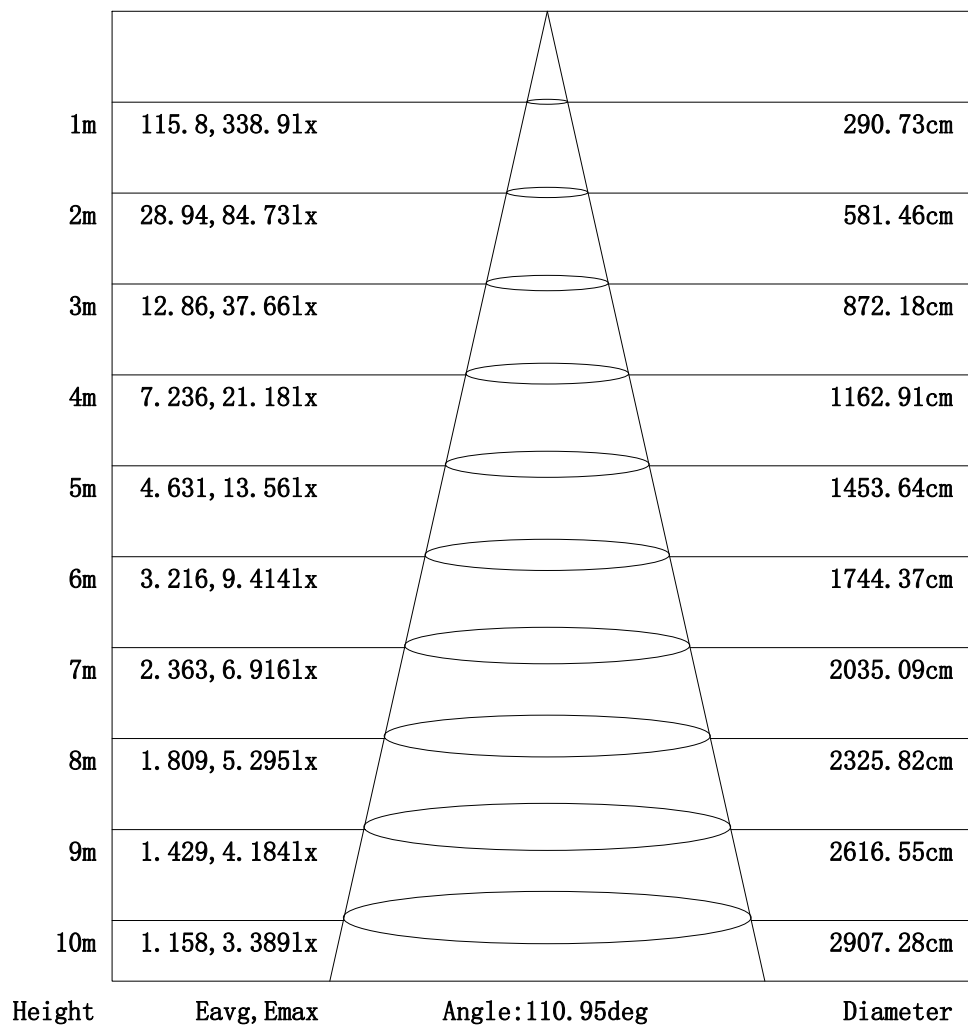
Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No:
MFR:	SUR.:	Shielding Angle:

Flux out:770.0 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:Near
 Test Date:2018-03-29

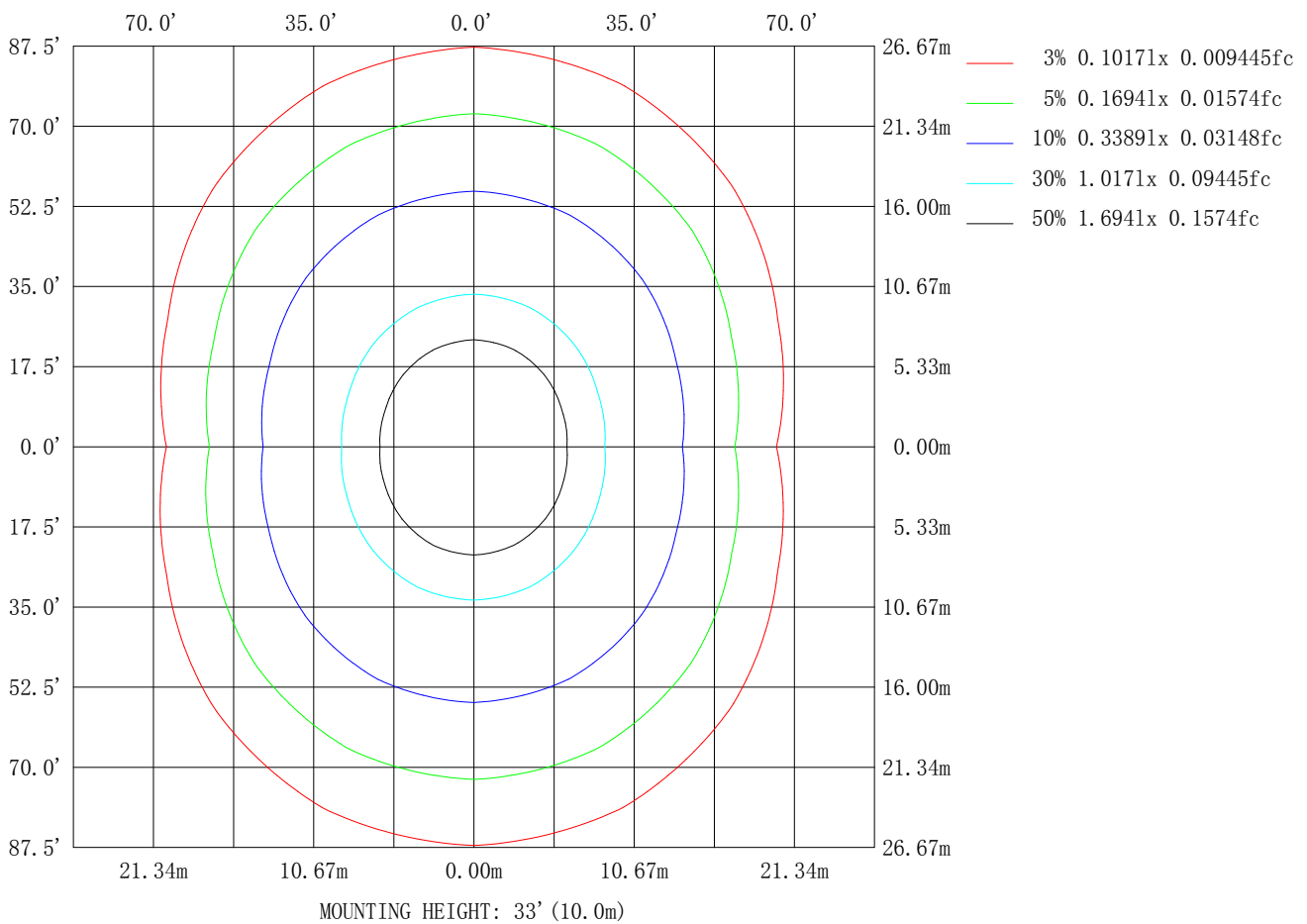
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC. :4000K	DIM. :	SERIAL No:
MFR:	SUR. :	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg. L Report

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No:
MFR:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	2955
L_0~180(75)av	2297
L_0~180(85)av	1027
L_90~270(65)av	6561
L_90~270(75)av	9424
L_90~270(85)av	23886
L_45(65)av	5267
L_45(75)av	7071
L_45(85)av	16784

Standard: GB/T 29293-2012

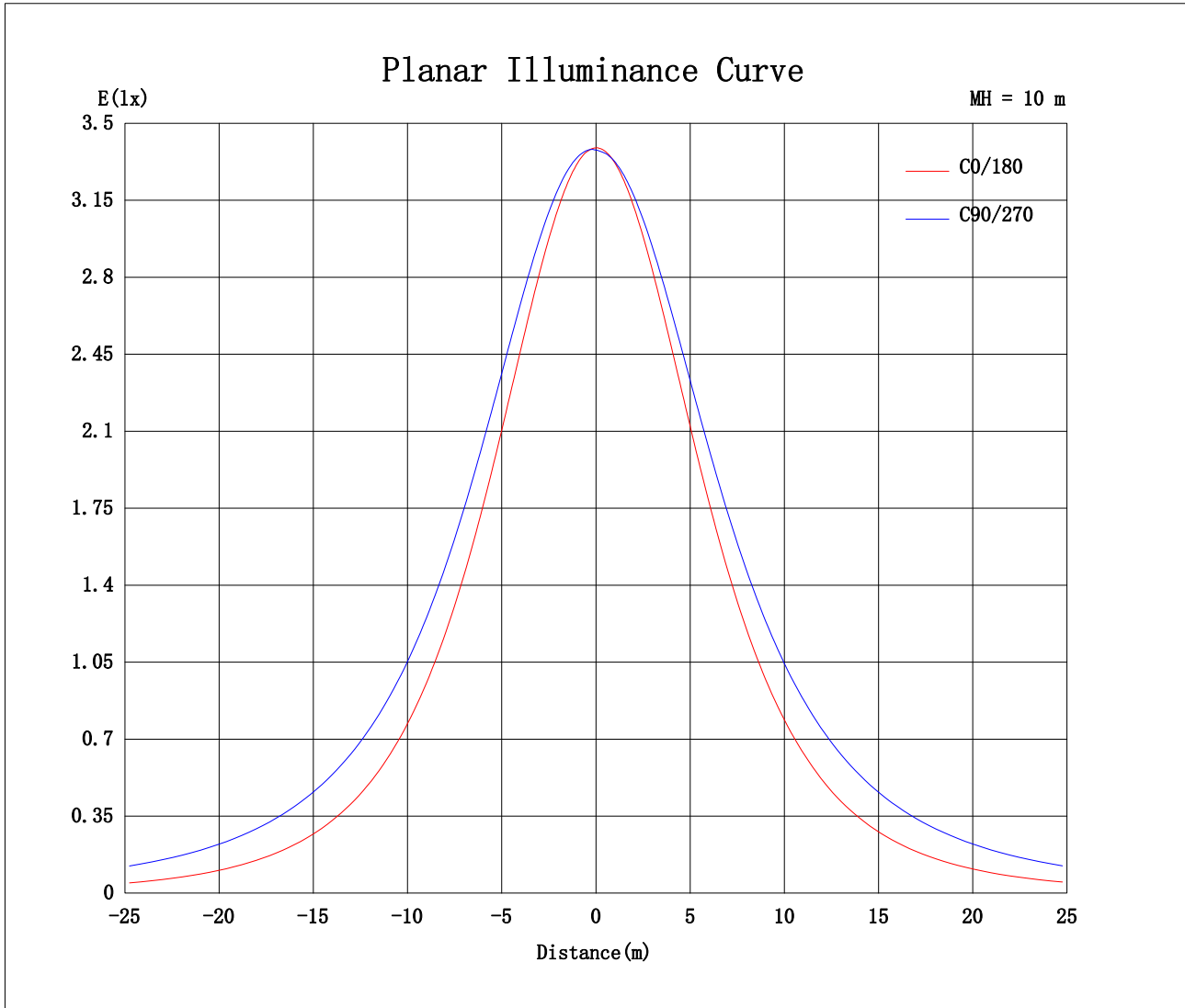
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.686m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1373A P:17.04W PF:0.5164 Freq:50.00Hz Lamp Flux:1547.9x1 lm		
NAME: MLS900CCT	TYPE:LED Lamp	WEIGHT:
SPEC.:4000K	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	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338			
5	336	337	338	339	340	339	338	337	337	336	337	338	338	338	337	336			
10	331	334	336	339	340	339	337	334	332	333	335	336	337	336	334	332			
15	323	327	332	337	339	338	333	328	325	326	330	334	335	334	330	325			
20	312	318	326	334	336	334	327	319	314	317	324	330	332	329	323	316			
25	298	306	318	328	332	329	319	308	301	305	315	324	328	324	315	304			
30	282	292	307	321	326	322	309	294	285	291	305	317	322	317	304	290			
35	263	275	295	312	318	313	297	278	266	275	293	308	314	308	292	273			
40	241	256	281	301	309	303	283	260	245	256	280	298	306	298	279	255			
45	218	236	265	289	298	291	268	240	222	237	265	287	296	287	264	234			
50	192	214	248	276	286	278	252	219	197	215	249	274	285	274	248	213			
55	165	190	231	262	273	264	235	196	170	193	232	261	273	261	231	191			
60	136	167	213	247	260	249	217	173	143	170	215	247	259	247	214	167			
65	107	143	195	232	245	234	199	149	114	147	198	233	246	233	197	144			
70	77.6	120	177	216	230	219	181	127	84.8	125	180	218	232	218	179	122			
75	49.0	98.6	159	201	215	203	164	105	56.3	103	163	203	217	203	162	101			
80	23.7	79.1	142	184	199	186	147	85.0	30.0	83.7	146	187	202	187	146	81.3			
85	6.21	62.4	126	167	182	170	131	67.9	9.64	66.7	131	172	186	172	130	64.9			
90	0.17	48.8	110	151	166	153	115	53.6	0.18	52.9	116	156	170	156	115	51.7			
95	0.28	14.2	20.5	115	143	133	70.5	13.6	0.21	12.2	95.7	141	155	141	100.0	17.1			
100	0.46	17.0	55.2	3.20	4.26	0.61	12.6	19.4	0.46	18.1	7.50	23.8	68.1	57.3	3.77	16.3			
105	0.55	14.9	53.9	86.4	75.0	74.5	55.4	20.5	0.51	16.3	56.2	49.5	17.3	39.8	56.6	18.0			
110	0.57	12.7	48.8	80.0	93.8	81.0	50.1	17.1	0.54	14.1	50.0	81.0	97.6	81.7	51.3	15.1			
115	0.58	11.3	44.0	72.0	82.8	73.1	45.1	15.1	0.56	11.8	45.7	73.7	86.1	74.3	46.4	13.7			
120	0.57	10.1	38.8	63.0	72.1	64.0	39.9	13.3	0.52	10.9	40.9	65.4	75.3	65.7	41.1	12.1			
125	0.61	8.90	33.5	54.3	62.0	55.1	34.6	11.7	0.55	9.67	35.0	57.0	65.4	57.2	35.3	11.1			
130	0.52	7.77	28.6	45.9	52.5	46.8	29.6	10.1	0.52	9.03	29.6	48.2	55.9	48.0	30.5	9.73			
135	0.57	0.47	23.7	38.3	43.7	39.0	24.7	8.60	0.59	0.97	25.6	39.9	46.9	40.6	25.8	7.65			
140	0.55	4.70	19.3	31.2	35.8	31.8	20.2	0.49	0.58	0.63	20.1	33.7	38.9	33.7	20.7	0.60			
145	0.58	4.42	15.4	24.8	28.5	25.3	16.2	2.90	0.62	3.30	16.2	26.8	30.9	26.7	16.4	4.23			
150	0.56	3.15	8.34	19.1	21.9	19.5	12.4	3.48	0.71	3.90	13.2	21.0	23.4	20.7	12.1	4.34			
155	0.62	2.13	0.67	13.9	16.1	14.2	0.59	2.30	0.80	3.38	0.86	15.3	17.7	15.4	0.85	3.26			
160	0.66	1.24	4.51	0.59	0.77	0.61	4.93	1.46	0.89	2.34	3.60	0.91	3.21	0.93	4.84	2.18			
165	0.69	0.71	2.46	4.64	5.51	5.48	3.03	0.81	0.92	1.61	4.22	5.59	4.01	5.74	3.79	1.43			
170	0.73	0.70	0.96	1.88	2.33	2.19	1.14	0.69	0.92	1.03	2.29	3.51	3.68	3.05	1.94	0.91			
175	0.72	0.73	0.71	0.62	0.60	0.63	0.67	0.70	0.86	0.90	0.89	1.02	1.15	0.96	0.85	0.87			
180	0.80	0.79	0.76	0.72	0.72	0.71	0.75	0.79	0.80	0.79	0.76	0.73	0.72	0.71	0.75	0.79			

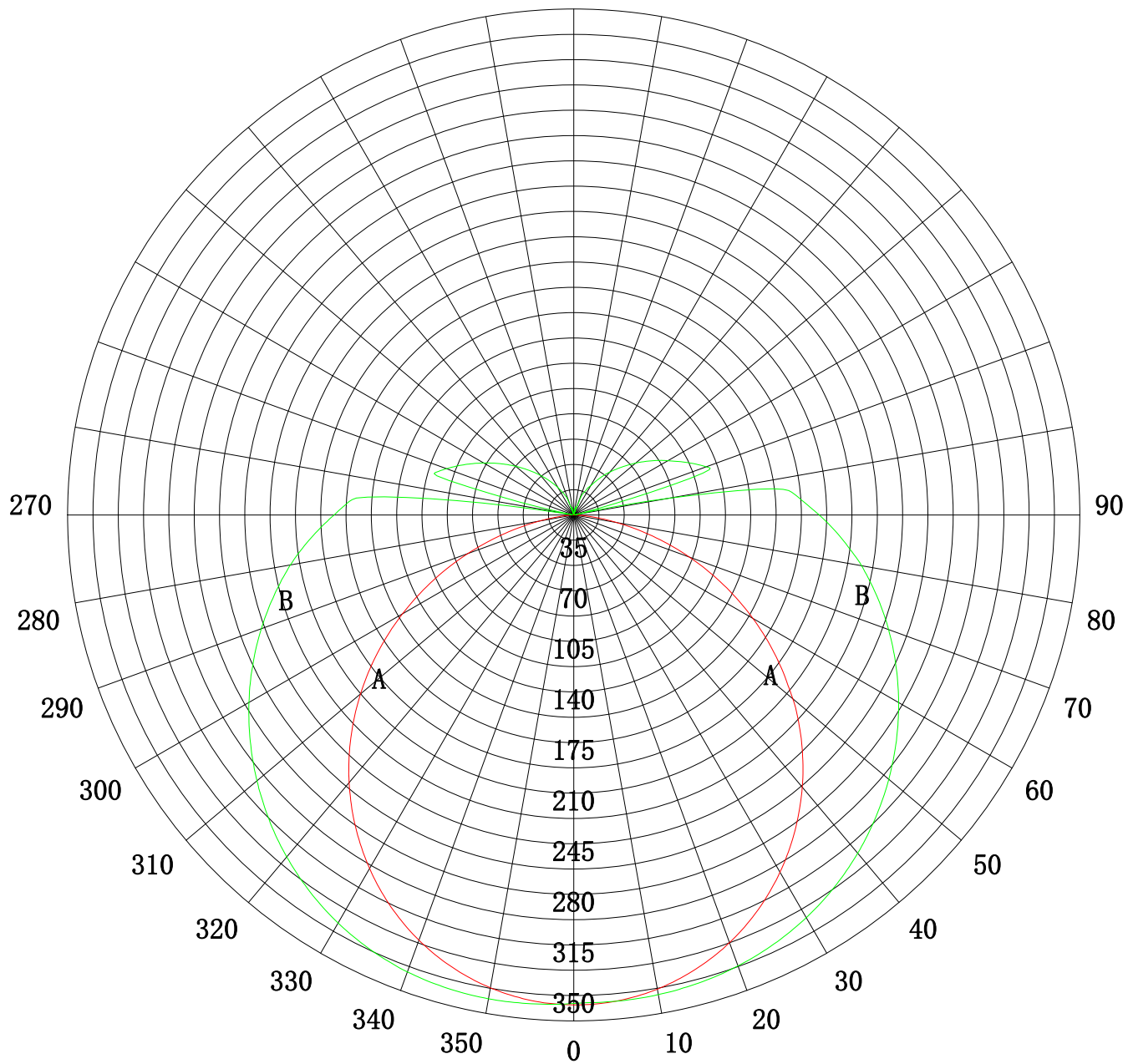
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-03-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
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 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

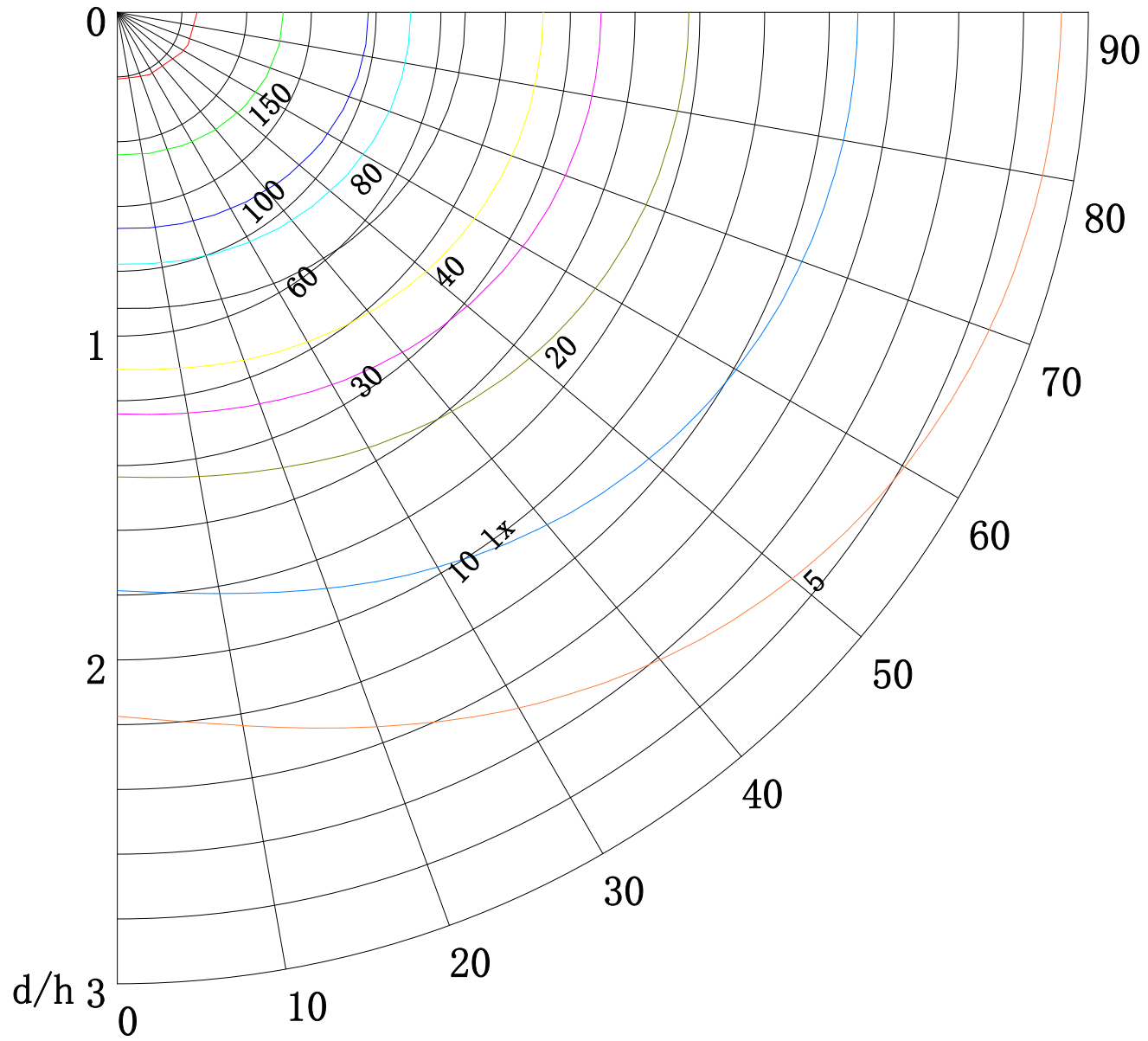
Assessor: Akin Xu

I (cd)



1000 l_m

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

