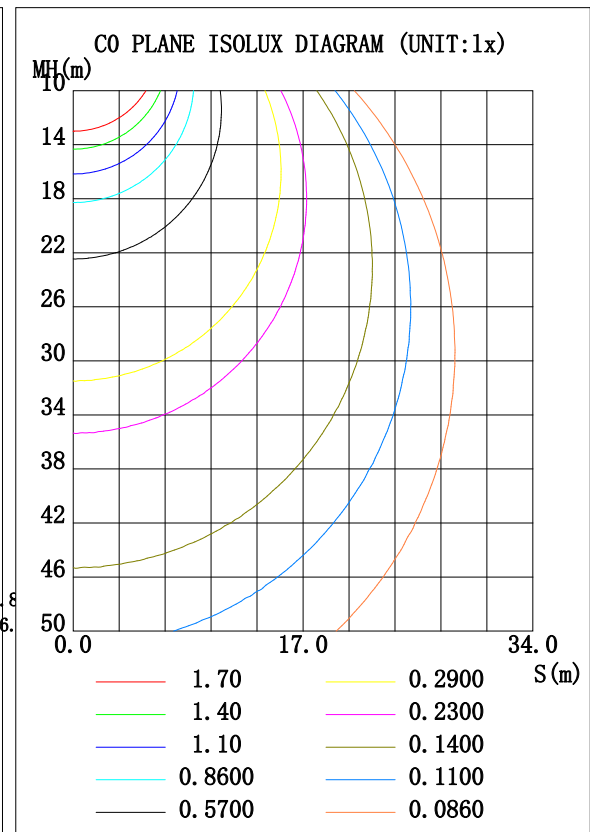
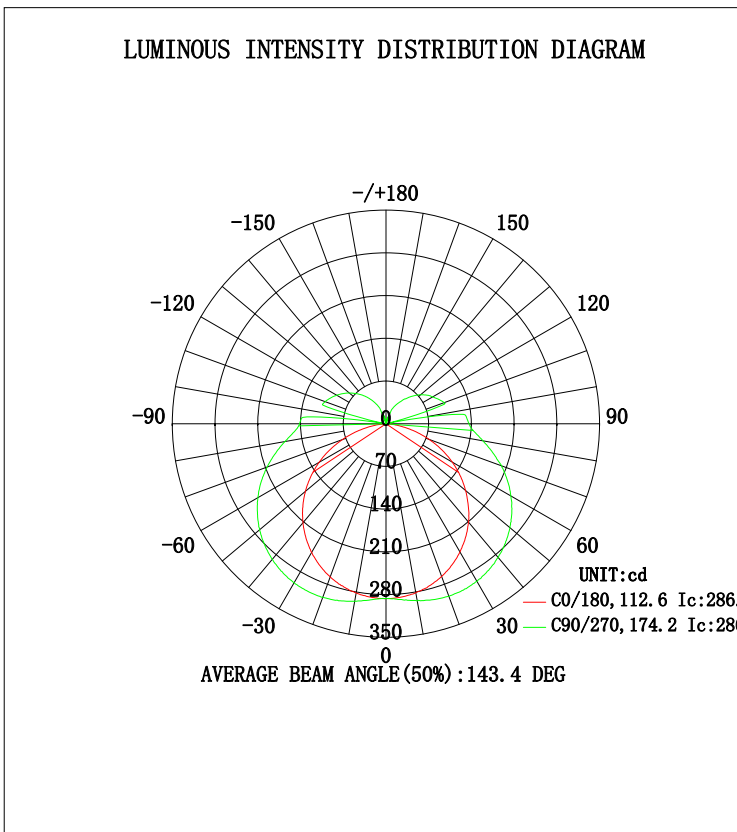


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 75.81 lm/W
MODEL	W5447C	I _{max} (cd)	303.3	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	19	LOR (%)	100.0	S/MH(C90/270)	1.55	
RATED VOLTAGE(V)	240	TOTAL FLUX (lm)	1458.9	η UP, DN(C0-180)	9.1, 41.5	
NOMINAL FLUX (lm)	1458.92	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.6, 40.8	
LAMPS INSIDE	1	η up (%)	17.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	240	η down (%)	82.3	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-12-5

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	285.1	287.8	289.6	287.5	285.1	287.3	289.1	287.8	0- 5	6.860	6.860	0.47, 0.47
10	281.6	289.6	295.4	289.4	281.3	288.8	294.8	289.5	5- 10	20.62	27.48	1.88, 1.88
15	275.2	290.7	300.2	290.5	274.9	289.1	298.4	290.1	10- 15	34.27	61.76	4.23, 4.23
20	267.2	289.1	302.6	289.2	266.4	287.2	300.8	289.1	15- 20	47.45	109.2	7.49, 7.49
25	256.4	286.5	303.0	286.7	255.5	283.8	300.6	285.9	20- 25	59.73	168.9	11.6, 11.6
30	243.3	281.0	300.9	281.1	242.7	278.0	298.0	280.4	25- 30	70.73	239.7	16.4, 16.4
35	228.7	273.8	296.3	273.6	227.2	269.9	293.3	272.6	30- 35	80.09	319.8	21.9, 21.9
40	211.6	263.8	289.9	264.0	210.4	260.0	286.2	262.7	35- 40	87.53	407.3	27.9, 27.9
45	192.6	252.3	281.1	252.4	190.8	247.6	276.6	250.8	40- 45	92.80	500.1	34.3, 34.3
50	172.3	238.4	270.1	238.6	170.4	233.6	265.3	236.6	45- 50	95.72	595.8	40.8, 40.8
55	150.3	222.8	257.1	223.2	148.3	217.7	251.6	220.8	50- 55	96.19	692.0	47.4, 47.4
60	126.6	205.1	242.3	205.9	125.2	199.9	236.4	203.0	55- 60	94.19	786.2	53.9, 53.9
65	102.0	185.7	225.8	187.0	100.7	179.8	219.4	182.7	60- 65	89.76	875.9	60, 60
70	76.07	165.1	207.2	166.5	75.53	159.4	201.5	162.1	65- 70	83.10	959.0	65.7, 65.7
75	50.25	143.8	187.5	145.3	50.30	138.6	180.7	140.7	70- 75	74.47	1034	70.8, 70.8
80	26.15	122.8	168.1	124.7	26.53	117.7	161.4	119.9	75- 80	64.64	1098	75.3, 75.3
85	7.487	105.0	151.0	107.4	7.712	100.5	144.8	102.9	80- 85	54.96	1153	79, 79
90	0.3939	95.76	141.6	98.95	0.3085	91.51	136.2	94.73	85- 90	47.98	1201	82.3, 82.3
95	0.3781	30.65	129.9	56.67	0.2809	79.12	132.2	90.68	90- 95	43.37	1244	85.3, 85.3
100	0.6406	47.40	3.725	22.46	0.4038	5.833	54.12	5.369	95-100	20.42	1265	86.7, 86.7
105	0.7156	71.03	75.45	58.82	0.5489	53.62	17.27	68.11	100-105	14.63	1280	87.7, 87.7
110	0.7076	69.48	106.2	61.16	0.5312	54.46	101.6	66.81	105-110	28.71	1308	89.7, 89.7
115	0.6685	65.89	100.2	60.76	0.5278	54.01	95.05	62.55	110-115	28.65	1337	91.6, 91.6
120	0.7478	61.30	93.64	58.62	0.5442	52.10	88.29	58.31	115-120	26.01	1363	93.4, 93.4
125	0.6981	55.97	86.36	55.09	0.6069	48.25	82.03	52.86	120-125	23.04	1386	95.95
130	0.6976	50.58	78.54	50.71	0.5503	44.67	74.05	46.77	125-130	19.88	1406	96.4, 96.4
135	0.6829	44.74	70.33	45.22	0.6214	38.81	65.16	40.86	130-135	16.40	1422	97.5, 97.5
140	0.6154	38.62	61.69	39.34	0.6228	34.58	55.56	35.43	135-140	12.21	1434	98.3, 98.3
145	0.5749	32.24	52.62	33.20	0.6222	28.97	47.17	29.42	140-145	9.638	1444	99, 99
150	0.6362	25.45	43.19	26.66	0.6658	23.26	38.24	23.53	145-150	7.356	1451	99.5, 99.5
155	0.6632	0.6602	33.64	0.5941	0.7411	0.7678	30.31	0.7859	150-155	4.146	1456	99.8, 99.8
160	0.7019	10.47	3.171	11.22	0.8304	9.179	6.413	10.15	155-160	1.930	1457	99.9, 99.9
165	0.6808	5.620	13.71	6.202	0.8321	5.894	11.86	5.646	160-165	0.7747	1458	100, 100
170	0.7099	2.197	5.769	2.080	0.8088	2.275	5.316	2.005	165-170	0.5235	1459	100, 100
175	0.7260	0.7114	0.9738	0.7041	0.7668	0.7764	0.9464	0.8259	170-175	0.1132	1459	100, 100
180	0.7603	0.7062	0.6516	0.7356	0.7624	0.7068	0.6525	0.7374	175-180	0.0175	1459	100, 100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 500.09 lm

%lum = 34.3%

%lamp = 34.3%

Conical surface Flux(120deg): 786.18 lm

%lum = 53.9%

%lamp = 53.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-12-5

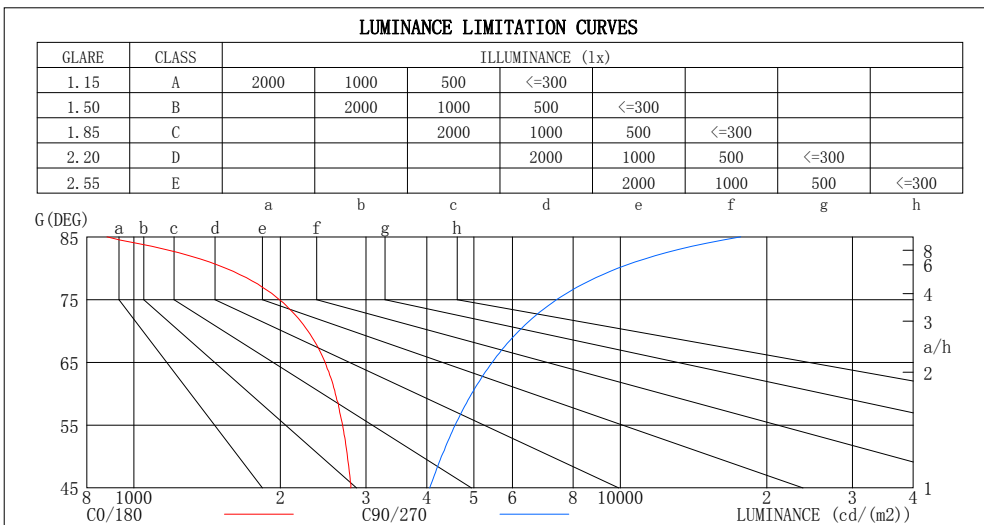
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.688m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	880	17680
80	1544	9882
75	1990	7395
70	2279	6184
65	2473	5453
60	2594	4945
55	2685	4575
50	2748	4288
45	2792	4057

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-12-5

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

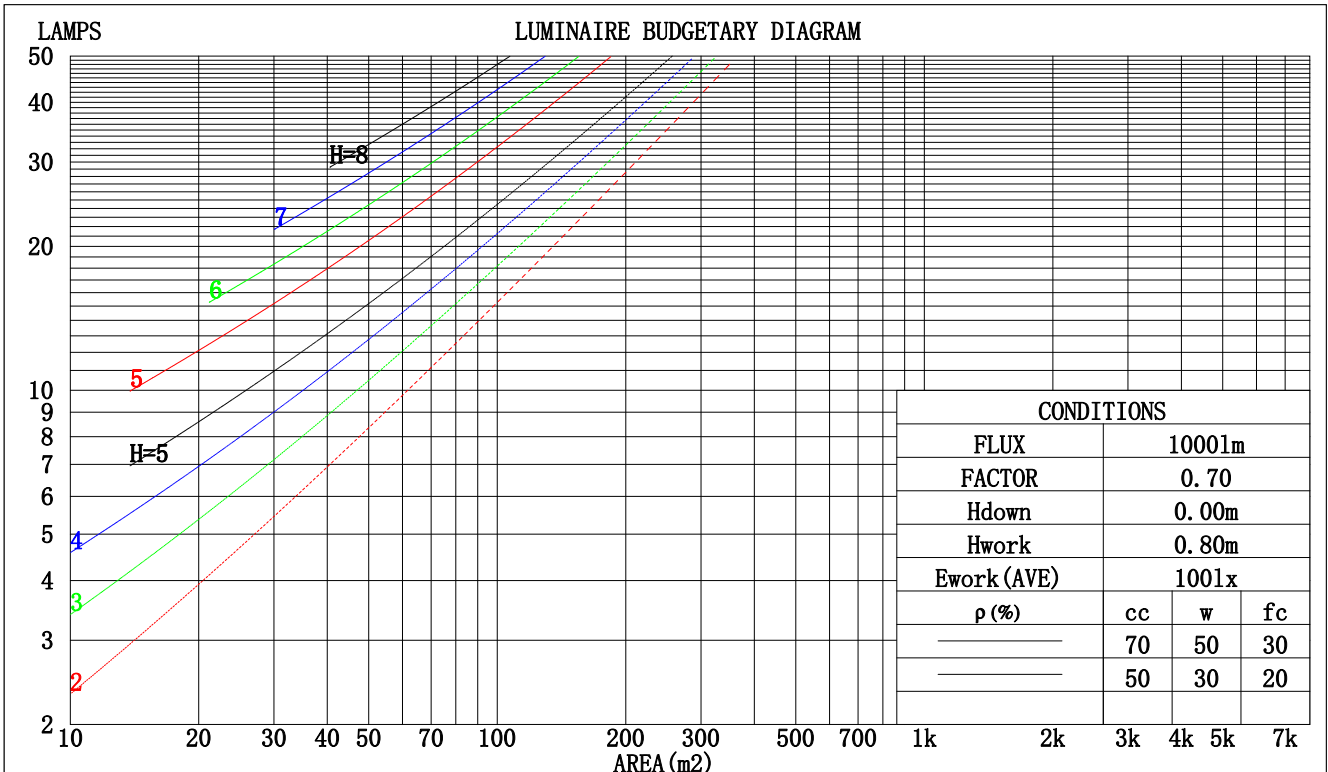
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.96	.90	.86	.92	.87	.83	.84	.80	.77	.77	.74	.71	.71	.68	.66	.63
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.60	.56	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.47	.52	.48	.44	.41
4.0	.62	.53	.45	.60	.51	.44	.55	.47	.41	.50	.44	.39	.46	.41	.37	.34
5.0	.55	.45	.38	.53	.44	.37	.49	.41	.35	.45	.38	.33	.41	.36	.31	.29
6.0	.49	.40	.33	.47	.38	.32	.44	.36	.30	.40	.34	.29	.37	.31	.27	.25
7.0	.44	.35	.29	.43	.34	.28	.39	.32	.27	.36	.30	.25	.34	.28	.24	.21
8.0	.40	.31	.25	.39	.30	.25	.36	.29	.23	.33	.27	.22	.31	.25	.21	.19
9.0	.37	.28	.22	.35	.27	.22	.33	.26	.21	.31	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.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: 2016-12-5

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:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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	.383	.218	.069	.371	.211	.067	.347	.199	.064	.325	.188	.060	.305	.177	.057	
2.0	.334	.183	.056	.322	.178	.055	.301	.167	.052	.281	.158	.049	.263	.149	.047	
3.0	.297	.158	.047	.287	.154	.046	.268	.145	.044	.250	.137	.042	.233	.129	.040	
4.0	.268	.139	.041	.259	.135	.040	.241	.128	.038	.225	.121	.036	.210	.114	.035	
5.0	.244	.124	.036	.235	.121	.035	.219	.114	.034	.205	.108	.032	.191	.102	.031	
6.0	.223	.112	.032	.216	.109	.031	.201	.103	.030	.188	.097	.029	.175	.092	.027	
7.0	.206	.102	.029	.199	.099	.028	.186	.094	.027	.173	.089	.026	.162	.084	.025	
8.0	.191	.093	.026	.185	.091	.026	.172	.086	.025	.161	.082	.024	.150	.077	.022	
9.0	.178	.086	.024	.172	.084	.024	.161	.080	.023	.150	.075	.022	.140	.071	.021	
10.0	.167	.080	.022	.161	.078	.022	.151	.074	.021	.141	.070	.020	.132	.066	.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	.325	.325	.325	.278	.278	.278	.190	.190	.190	.109	.109	.109	.035	.035	.035	
1.0	.321	.291	.264	.275	.250	.227	.188	.172	.157	.108	.100	.091	.035	.032	.030	
2.0	.315	.268	.230	.269	.231	.198	.185	.160	.138	.106	.093	.081	.034	.030	.026	
3.0	.307	.252	.208	.263	.217	.180	.181	.151	.126	.104	.088	.074	.034	.029	.024	
4.0	.299	.239	.194	.257	.207	.168	.177	.144	.118	.102	.084	.070	.033	.027	.023	
5.0	.292	.230	.184	.251	.199	.160	.173	.139	.113	.100	.081	.067	.032	.027	.022	
6.0	.284	.222	.177	.244	.192	.154	.169	.134	.109	.098	.079	.065	.032	.026	.021	
7.0	.277	.215	.171	.239	.186	.149	.165	.131	.106	.096	.077	.063	.031	.025	.021	
8.0	.271	.210	.168	.233	.182	.146	.161	.128	.104	.094	.075	.062	.030	.025	.020	
9.0	.264	.205	.164	.228	.178	.143	.158	.125	.102	.092	.074	.061	.030	.024	.020	
10.0	.259	.201	.162	.223	.174	.141	.155	.123	.100	.090	.072	.060	.029	.024	.020	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-12-5

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:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm										
NAME: MLS900CCT					TYPE:			WEIGHT:		
SPEC: 3000K					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	13.9	15.3	14.4	15.8	16.4	16.4	17.8	16.9	18.3	18.8
3H	15.4	16.7	16.0	17.2	17.8	19.0	20.3	19.5	20.8	21.4
4H	16.0	17.2	16.5	17.7	18.4	20.4	21.6	20.9	22.1	22.8
6H	16.3	17.5	16.9	18.0	18.7	21.9	23.0	22.4	23.6	24.2
8H	16.4	17.5	17.0	18.1	18.7	22.7	23.8	23.3	24.4	25.0
12H	16.4	17.5	17.0	18.1	18.7	23.6	24.7	24.2	25.3	26.0
4H 2H	15.2	16.4	15.8	17.0	17.6	16.9	18.2	17.5	18.7	19.3
3H	17.0	18.0	17.6	18.6	19.3	19.8	20.9	20.4	21.4	22.1
4H	17.7	18.7	18.3	19.3	20.0	21.4	22.3	22.0	23.0	23.7
6H	18.3	19.1	18.9	19.8	20.5	23.1	24.0	23.7	24.6	25.3
8H	18.4	19.2	19.1	19.9	20.7	24.0	24.8	24.7	25.5	26.3
12H	18.5	19.3	19.2	19.9	20.7	25.1	25.9	25.8	26.5	27.3
8H 4H	18.8	19.6	19.5	20.3	21.0	21.7	22.5	22.3	23.2	23.9
6H	19.7	20.4	20.4	21.1	21.9	23.7	24.4	24.4	25.1	25.9
8H	20.1	20.7	20.8	21.4	22.2	24.9	25.5	25.6	26.2	27.0
12H	20.4	20.9	21.1	21.6	22.5	26.2	26.8	26.9	27.5	28.3
12H 4H	19.1	19.9	19.8	20.6	21.3	21.7	22.5	22.4	23.1	23.9
6H	20.3	20.9	21.0	21.6	22.4	23.8	24.4	24.5	25.1	25.9
8H	20.9	21.4	21.6	22.1	23.0	25.1	25.6	25.8	26.3	27.2
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	+ 0.3 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117, 1459 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.3)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-12-5

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

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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	47	35	28	46	34	27	44	33	27	20
0.80	57	44	36	55	43	35	52	41	34	26
1.00	65	52	43	63	51	43	59	51	41	32
1.25	72	59	51	69	58	50	65	55	48	38
1.50	77	65	56	74	63	55	69	60	53	42
2.00	84	73	65	81	71	64	75	67	61	49
2.50	89	79	71	85	76	69	79	71	65	53
3.00	92	83	76	89	81	74	82	75	70	56
4.00	97	89	83	93	86	80	86	80	76	61
5.00	100	93	88	96	90	85	88	84	79	64
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: 2016-12-5

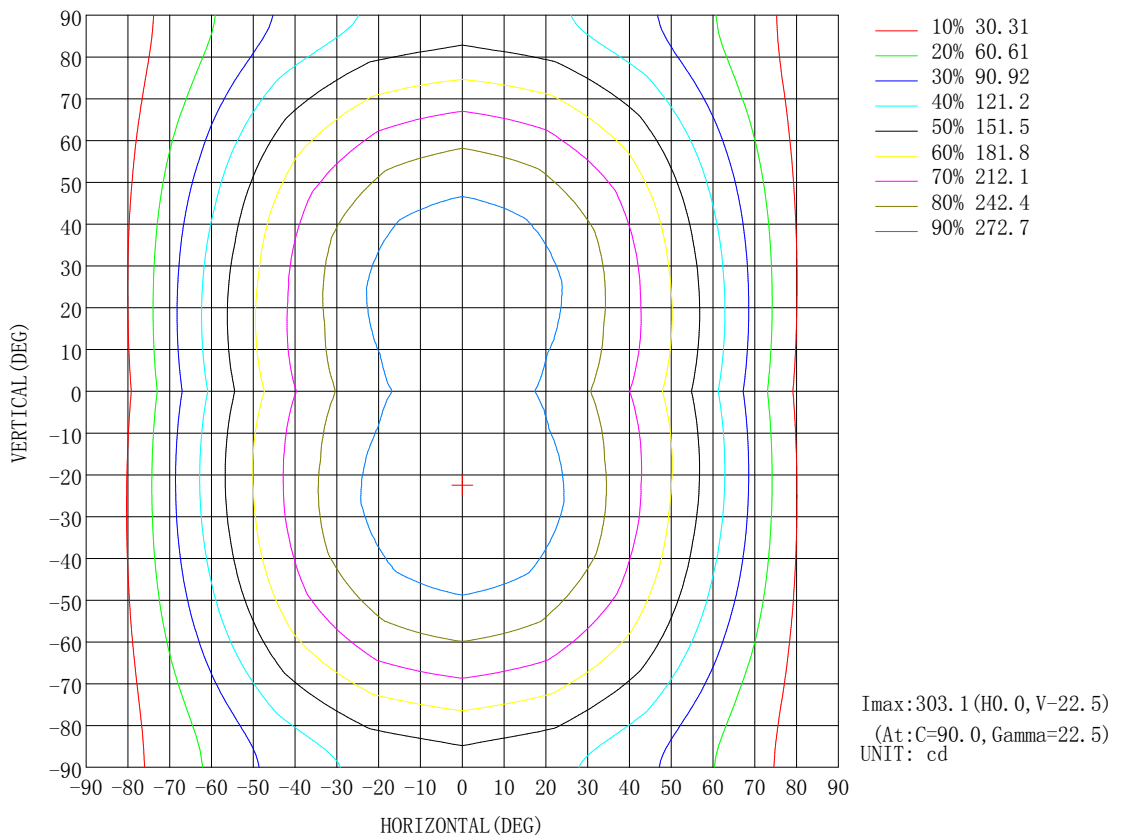
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.688m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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: 2016-12-5

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

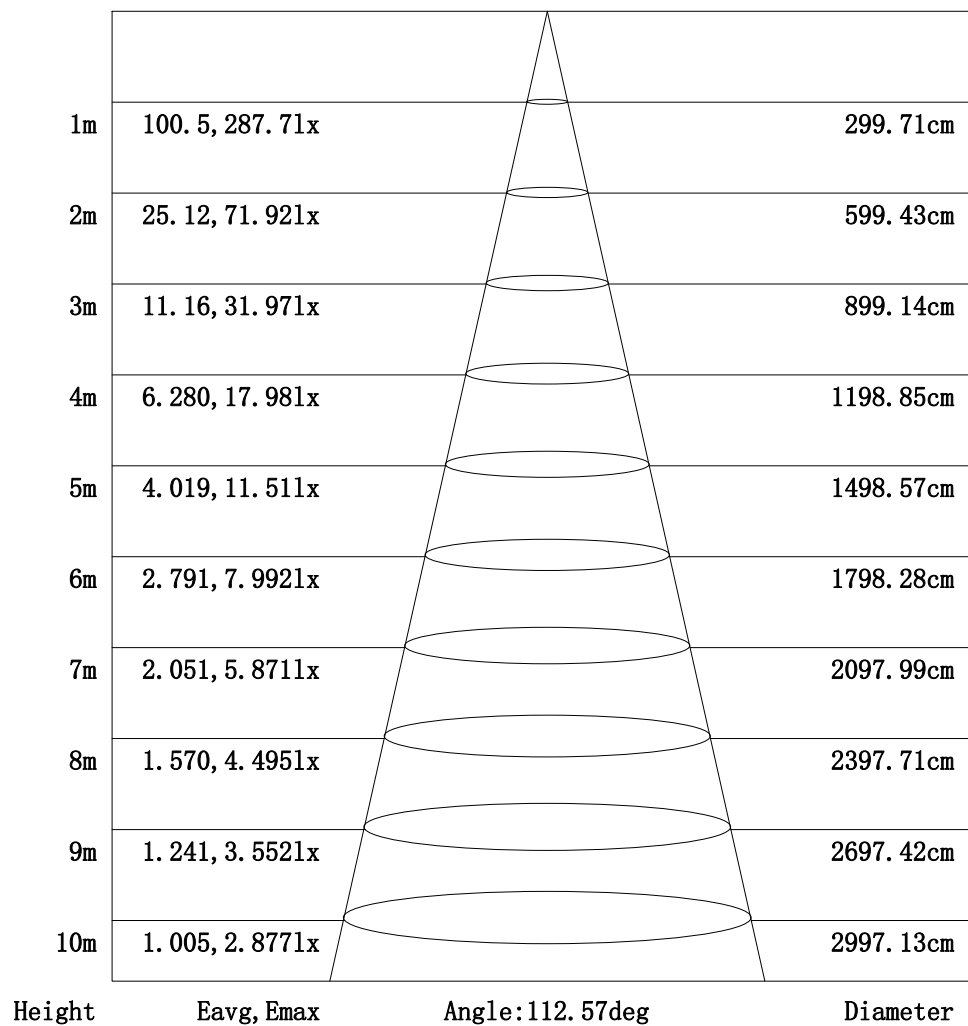
Checker: Harry Huang

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Flux out:720.6 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:2016-12-5

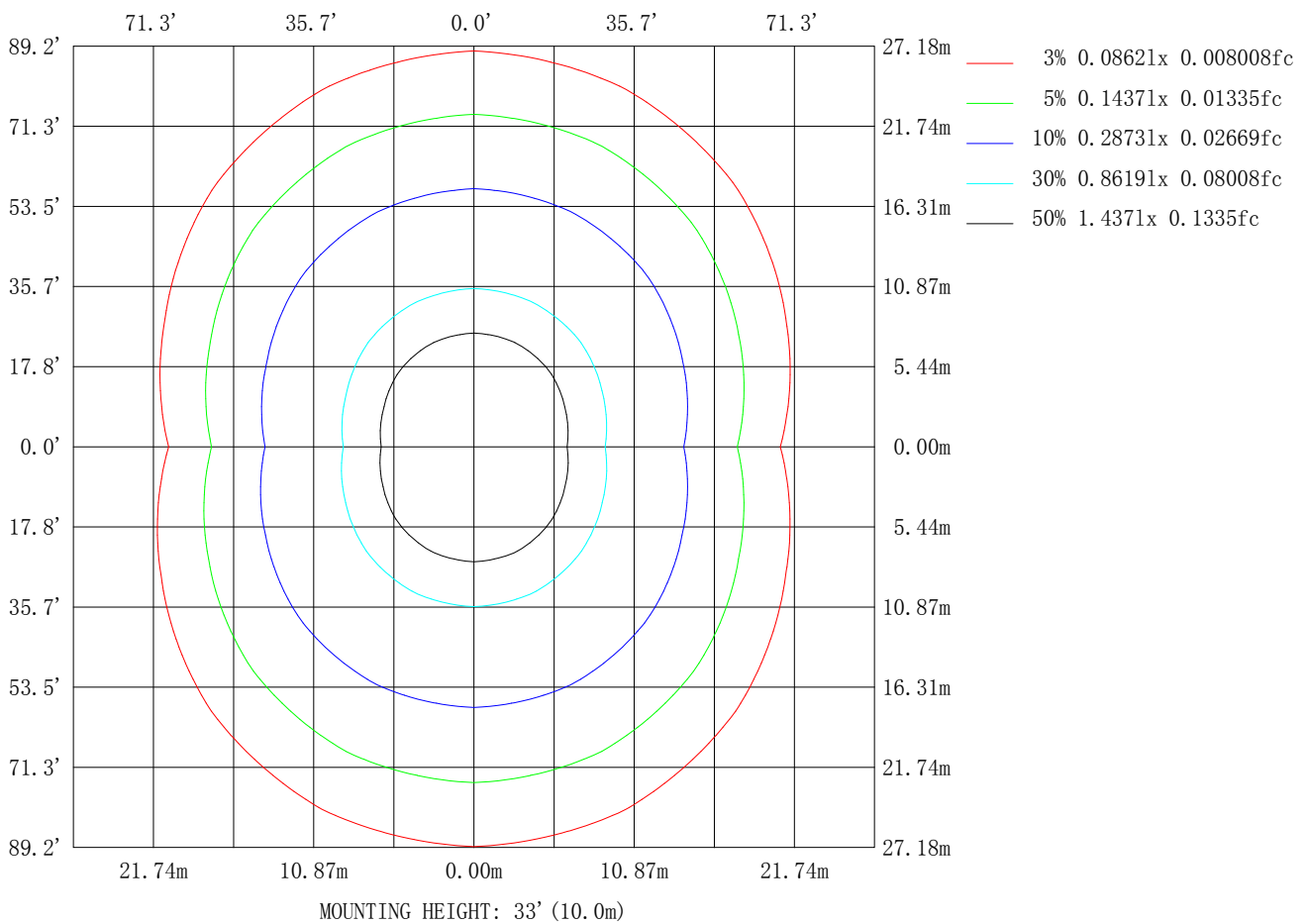
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.688m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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:2016-12-5

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

LED Avg. L Report

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65) av	2449
L_0~180(75) av	1984
L_0~180(85) av	891
L_90~270(65) av	5380
L_90~270(75) av	7267
L_90~270(85) av	17332
L_45(65) av	4442
L_45(75) av	5607
L_45(85) av	12181

Standard: GB/T 29293-2012

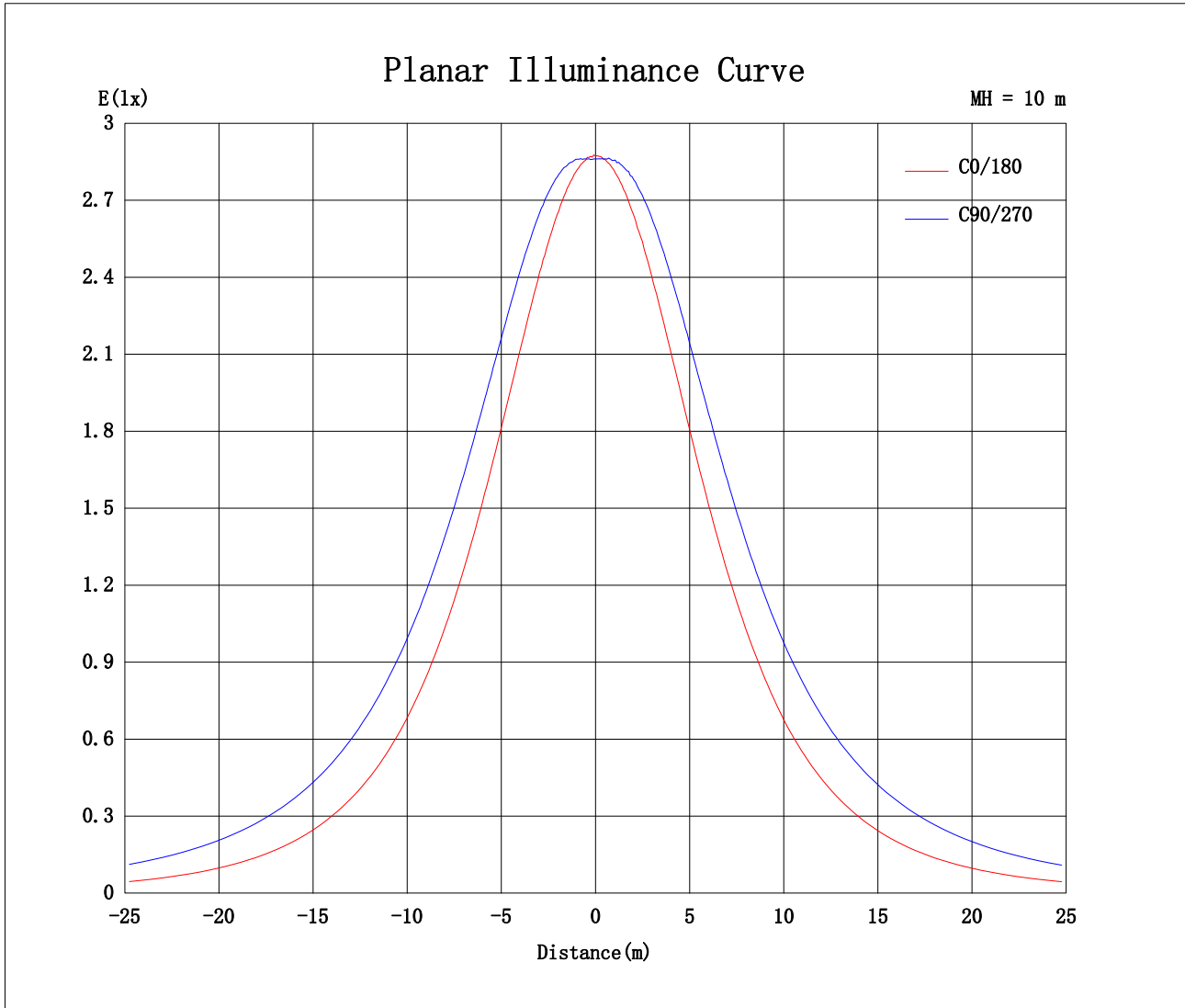
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-12-5

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

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-12-5

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.0893A P:19.25W PF:0.8969 Freq:50.00Hz Lamp Flux:1458.92x1 lm		
NAME: MLS900CCT	TYPE:	WEIGHT:
SPEC: 3000K	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	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286			
5	285	286	288	290	290	289	287	286	285	286	287	289	289	290	288	286			
10	282	284	290	294	295	294	289	284	281	284	289	293	295	294	290	284			
15	275	281	291	298	300	297	290	281	275	280	289	296	298	297	290	281			
20	267	276	289	300	303	300	289	275	266	274	287	297	301	298	289	276			
25	256	269	286	300	303	299	287	268	255	266	284	296	301	297	286	269			
30	243	259	281	297	301	296	281	259	243	257	278	292	298	294	280	260			
35	229	248	274	292	296	291	274	248	227	245	270	287	293	288	273	248			
40	212	235	264	284	290	284	264	235	210	231	260	279	286	280	263	235			
45	193	219	252	275	281	275	252	220	191	215	248	269	277	270	251	220			
50	172	203	238	263	270	263	239	203	170	198	234	256	265	258	237	203			
55	150	183	223	249	257	249	223	184	148	179	218	243	252	244	221	184			
60	127	163	205	233	242	234	206	164	125	159	200	226	236	228	203	163			
65	102	140	186	216	226	217	187	142	101	137	180	209	219	210	183	141			
70	76.1	117	165	197	207	197	167	120	75.5	114	159	190	202	191	162	118			
75	50.3	93.7	144	176	188	177	145	96.6	50.3	90.3	139	170	181	171	141	94.3			
80	26.2	71.3	123	157	168	157	125	74.5	26.5	68.0	118	150	161	151	120	71.6			
85	7.49	52.6	105	139	151	140	107	56.6	7.71	50.0	101	133	145	134	103	53.5			
90	0.39	43.9	95.8	129	142	131	99.0	48.6	0.31	42.0	91.5	125	136	126	94.7	45.9			
95	0.38	14.9	30.7	108	130	119	56.7	26.1	0.28	8.52	79.1	121	132	122	90.7	18.8			
100	0.64	24.0	47.4	0.93	3.72	3.14	22.5	21.1	0.40	17.1	5.83	15.7	54.1	28.4	5.37	21.4			
105	0.72	26.3	71.0	99.3	75.4	81.5	58.8	23.5	0.55	20.7	53.6	46.8	17.3	43.9	68.1	25.9			
110	0.71	25.5	69.5	97.3	106	93.1	61.2	23.4	0.53	20.1	54.5	87.2	102	92.9	66.8	24.6			
115	0.67	24.0	65.9	91.7	100	90.2	60.8	23.6	0.53	20.0	54.0	83.9	95.1	87.0	62.6	23.4			
120	0.75	22.1	61.3	85.7	93.6	85.1	58.6	23.0	0.54	19.6	52.1	78.0	88.3	80.1	58.3	20.2			
125	0.70	19.9	56.0	79.0	86.4	79.0	55.1	21.7	0.61	18.4	48.3	72.8	82.0	74.6	52.9	19.2			
130	0.70	17.5	50.6	71.8	78.5	71.7	50.7	20.0	0.55	16.8	44.7	65.4	74.0	67.3	46.8	16.8			
135	0.68	0.56	44.7	64.3	70.3	64.3	45.2	13.0	0.62	12.5	38.8	57.4	65.2	59.8	40.9	15.1			
140	0.62	1.78	38.6	56.1	61.7	56.2	39.3	0.54	0.62	0.61	34.6	48.5	55.6	50.7	35.4	0.63			
145	0.57	9.30	32.2	47.7	52.6	47.8	33.2	11.4	0.62	8.95	29.0	40.5	47.2	43.0	29.4	8.23			
150	0.64	6.75	25.4	38.9	43.2	39.2	26.7	7.99	0.67	6.33	23.3	33.7	38.2	35.1	23.5	6.49			
155	0.66	4.55	0.66	29.9	33.6	30.4	0.59	5.10	0.74	4.36	0.77	26.2	30.3	26.8	0.79	4.26			
160	0.70	2.60	10.5	0.62	3.17	0.57	11.2	2.81	0.83	2.87	9.18	0.88	6.41	0.87	10.1	2.42			
165	0.68	1.19	5.62	10.9	13.7	11.9	6.20	1.26	0.83	1.39	5.89	9.98	11.9	9.68	5.65	1.24			
170	0.71	0.76	2.20	4.01	5.77	4.73	2.08	0.62	0.81	0.83	2.27	4.53	5.32	4.01	2.00	0.90			
175	0.73	0.73	0.71	0.84	0.97	0.60	0.70	0.65	0.77	0.78	0.78	0.85	0.95	0.83	0.83	0.86			
180	0.76	0.76	0.71	0.66	0.65	0.68	0.74	0.76	0.76	0.76	0.71	0.67	0.65	0.68	0.74	0.76			

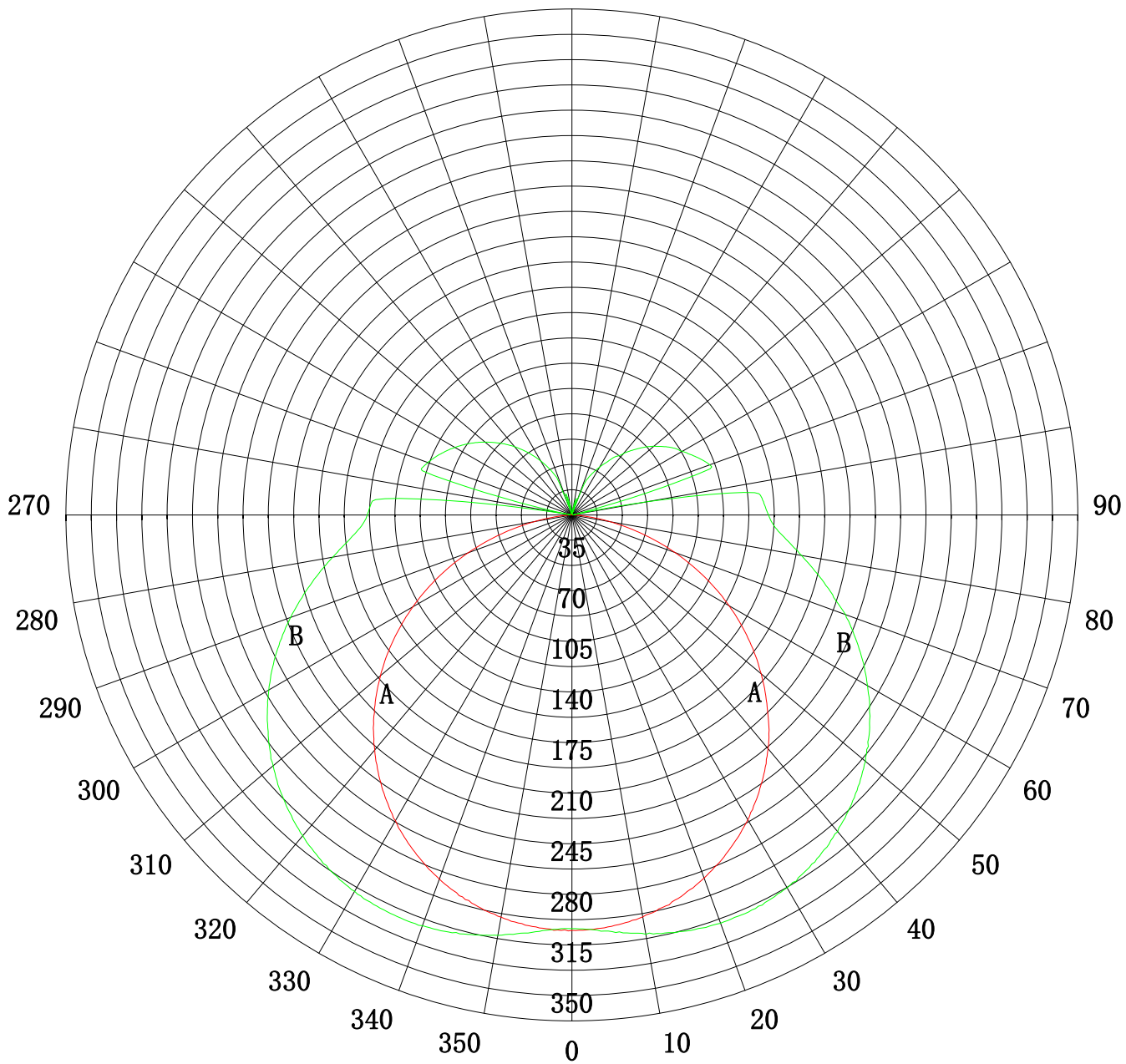
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-12-5

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

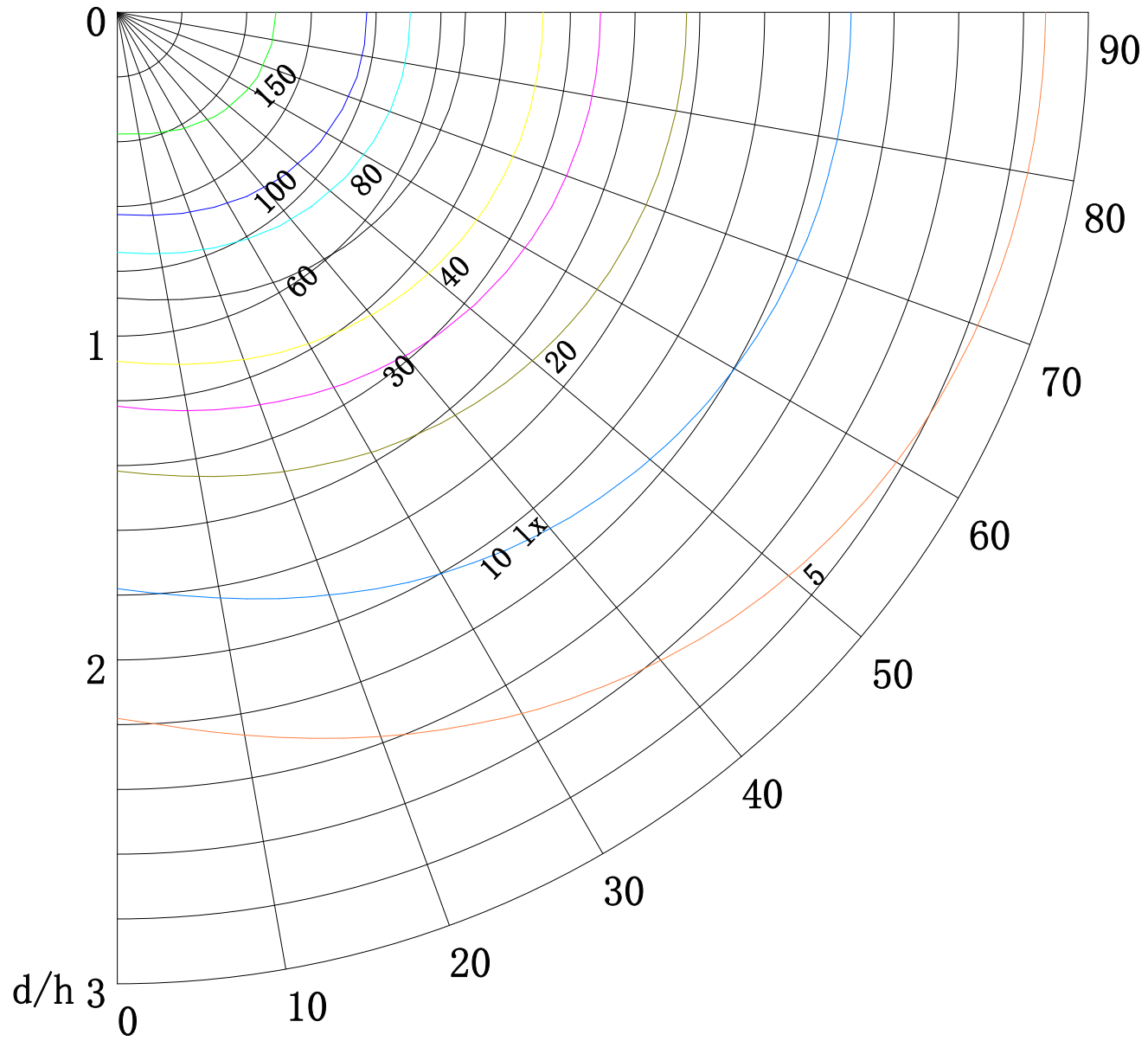
Assessor: Akin Xu

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

