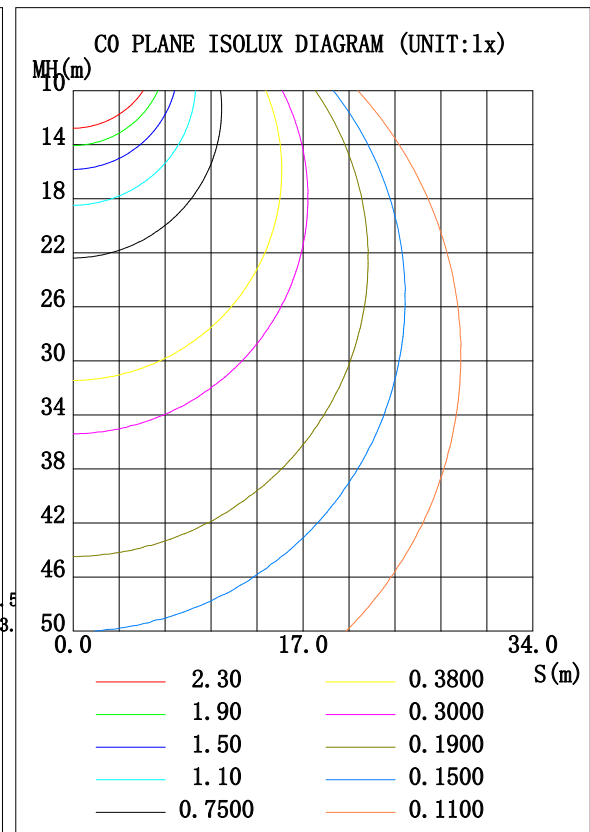
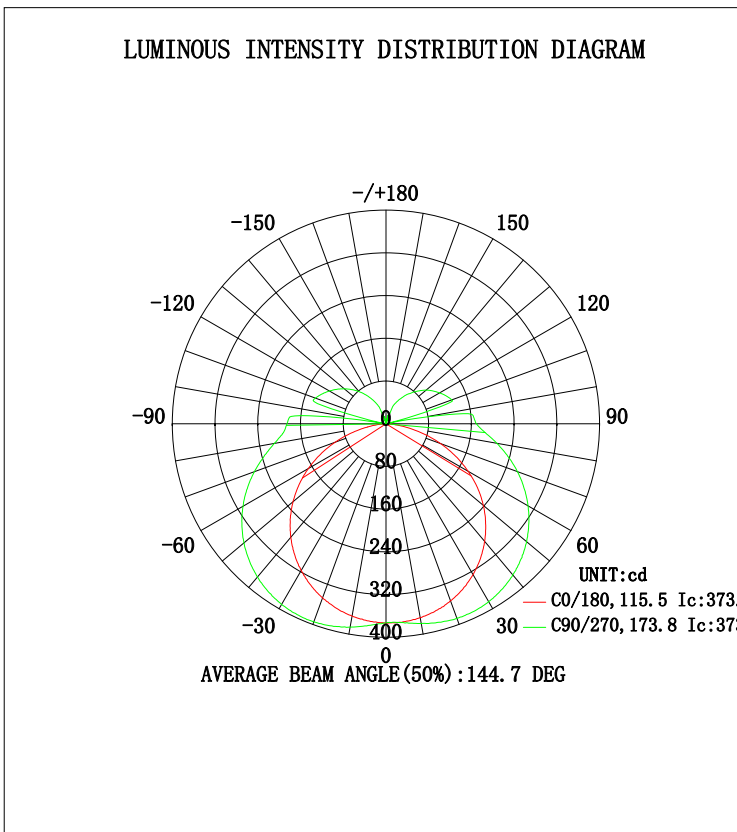


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR:	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.00 lm/W
MODEL	W5447D	I _{max} (cd)	395.2	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	23	LOR (%)	100.0	S/MH(C90/270)	1.54	
RATED VOLTAGE(V)	240	TOTAL FLUX(1m)	1918.7	η UP, DN(C0-180)	9.0, 41.4	
NOMINAL FLUX(1m)	1918.69	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.7, 40.9	
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	370.6	376.2	379.2	376.8	372.1	372.6	373.8	371.3	0- 5	8.932	8.932	0.47, 0.47
10	365.7	378.6	386.7	380.1	368.6	374.8	379.7	372.6	5- 10	26.84	35.78	1.86, 1.86
15	357.8	379.5	392.0	382.2	362.1	376.4	384.9	372.5	10- 15	44.63	80.40	4.19, 4.19
20	347.2	378.0	394.8	382.0	352.8	375.7	387.7	370.7	15- 20	61.83	142.2	7.41, 7.41
25	333.5	373.8	394.3	378.3	341.2	372.8	387.9	366.6	20- 25	77.93	220.2	11.5, 11.5
30	317.5	367.0	390.8	372.3	326.3	366.5	384.7	359.9	25- 30	92.42	312.6	16.3, 16.3
35	298.5	356.6	384.2	363.0	308.3	358.5	378.6	350.3	30- 35	104.8	417.4	21.8, 21.8
40	277.4	344.0	374.5	351.2	287.5	347.0	369.4	337.9	35- 40	114.8	532.2	27.7, 27.7
45	254.1	328.6	362.2	335.9	263.9	333.2	357.9	323.0	40- 45	121.9	654.1	34.1, 34.1
50	227.5	310.7	347.2	318.2	238.0	315.9	343.7	305.7	45- 50	126.0	780.1	40.7, 40.7
55	198.6	289.7	329.4	297.7	209.4	296.2	326.6	285.2	50- 55	126.9	907.0	47.3, 47.3
60	168.1	267.0	309.2	274.4	177.2	274.1	307.2	263.2	55- 60	124.4	1031	53.8, 53.8
65	135.5	241.3	286.6	248.3	143.7	249.1	285.3	238.4	60- 65	118.7	1150	59.9, 59.9
70	101.6	214.2	262.1	220.9	108.8	222.6	261.6	212.2	65- 70	109.9	1260	65.7, 65.7
75	66.94	185.9	236.4	191.9	73.03	193.6	236.4	183.5	70- 75	98.47	1359	70.8, 70.8
80	34.77	159.1	212.2	164.4	38.85	164.9	210.4	155.8	75- 80	85.28	1444	75.2, 75.2
85	9.354	138.3	193.1	142.6	11.11	139.7	186.0	131.5	80- 85	72.23	1516	79.79
90	0.3369	130.2	185.5	134.1	0.2378	123.7	169.3	116.5	85- 90	62.84	1579	82.3, 82.3
95	0.4607	58.27	171.2	88.34	0.3270	105.7	164.3	110.4	90- 95	56.79	1636	85.2, 85.2
100	0.7182	51.29	9.263	21.21	0.6452	14.44	67.19	8.705	95-100	28.15	1664	86.7, 86.7
105	0.8136	88.94	89.45	83.65	0.6802	77.10	27.21	73.99	100-105	17.62	1681	87.6, 87.6
110	0.8849	88.62	140.8	89.08	0.7540	83.74	131.1	79.95	105-110	37.03	1718	89.6, 89.6
115	0.9650	84.43	132.3	86.73	0.8352	82.06	124.3	78.14	110-115	37.87	1756	91.5, 91.5
120	0.9344	79.14	122.7	81.67	0.8353	78.48	116.0	74.67	115-120	34.61	1791	93.3, 93.3
125	1.023	72.46	112.7	75.05	0.9609	71.17	107.3	69.90	120-125	30.57	1822	94.9, 94.9
130	1.007	65.21	102.0	67.52	0.8877	65.38	98.34	63.22	125-130	26.31	1848	96.3, 96.3
135	1.053	56.93	90.60	59.06	0.9852	58.02	87.15	56.64	130-135	21.72	1870	97.4, 97.4
140	1.001	48.31	78.86	50.18	0.9239	49.40	76.55	47.88	135-140	16.37	1886	98.3, 98.3
145	0.8847	39.60	66.39	41.34	0.9235	42.21	65.89	41.23	140-145	12.83	1899	99.99
150	0.8949	30.59	53.55	32.30	0.9443	34.94	54.19	33.08	145-150	9.743	1908	99.5, 99.5
155	0.9055	0.8827	40.81	0.8080	1.037	1.054	43.31	1.097	150-155	5.632	1914	99.8, 99.8
160	0.9451	11.42	4.354	13.07	1.074	17.10	10.63	16.37	155-160	2.614	1917	99.9, 99.9
165	0.9517	5.327	13.81	6.270	1.102	11.74	15.62	10.22	160-165	1.058	1918	100, 100
170	0.9748	1.354	4.724	1.565	1.080	4.510	9.783	4.583	165-170	0.7041	1918	100, 100
175	1.003	0.9887	0.8388	0.8345	1.035	1.488	2.644	1.338	170-175	0.1633	1919	100, 100
180	1.037	1.025	0.8989	1.005	1.043	1.027	0.9022	1.005	175-180	0.0252	1919	100, 100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 654.1 lm

%lum = 34.1%
%lamp = 34.1%

Conical surface Flux(120deg): 1031.4 lm

%lum = 53.8%
%lamp = 53.8%

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

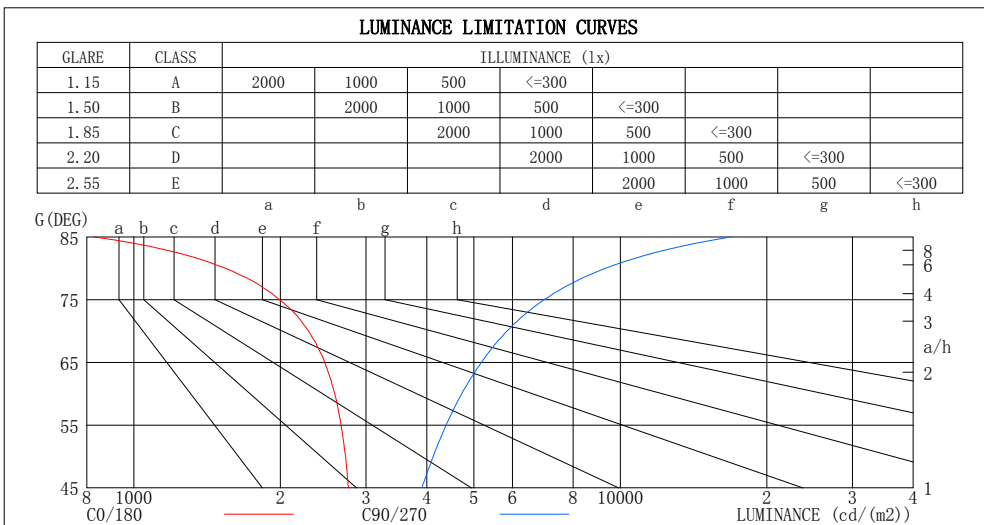
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.688m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR:	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	826	16910
80	1542	9328
75	1991	6973
70	2286	5851
65	2469	5177
60	2589	4720
55	2666	4384
50	2726	4124
45	2767	3910

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

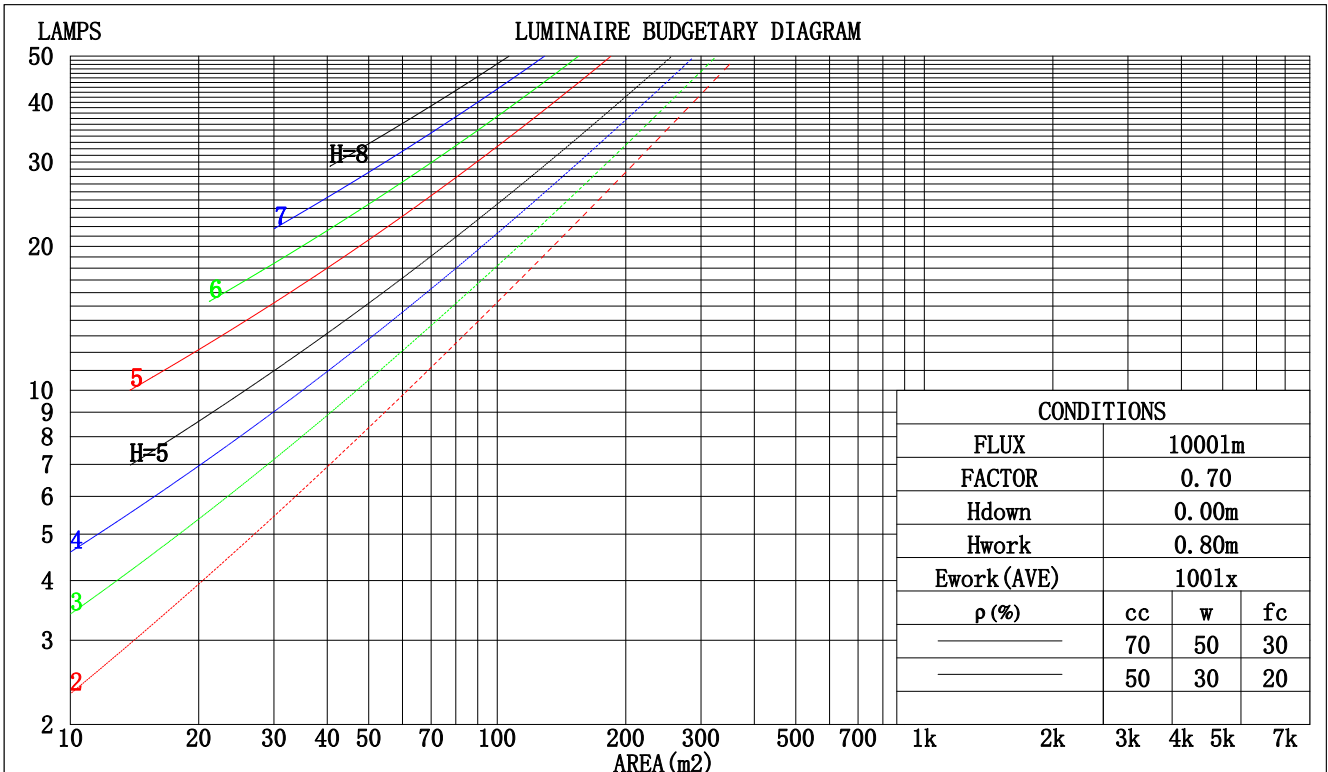
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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	1.01	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	.54	.68	.59	.53	.62	.55	.50	.57	.51	.46	.52	.48	.43	.40
4.0	.62	.52	.45	.59	.51	.44	.55	.47	.41	.50	.44	.39	.46	.41	.37	.34
5.0	.55	.45	.38	.53	.44	.37	.48	.41	.35	.45	.38	.33	.41	.36	.31	.28
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.40	.34	.29	.37	.31	.27	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.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	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.25	.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:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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	.384	.218	.069	.371	.212	.067	.347	.199	.064	.326	.188	.060	.306	.177	.057	
2.0	.334	.183	.056	.323	.178	.055	.301	.168	.052	.282	.158	.049	.263	.149	.047	
3.0	.298	.158	.047	.287	.154	.046	.268	.145	.044	.250	.137	.042	.234	.129	.040	
4.0	.268	.139	.041	.259	.136	.040	.241	.128	.038	.225	.121	.036	.210	.114	.035	
5.0	.244	.124	.036	.236	.121	.035	.220	.114	.034	.205	.108	.032	.191	.102	.031	
6.0	.224	.112	.032	.216	.109	.031	.201	.103	.030	.188	.098	.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	.173	.086	.025	.161	.082	.024	.150	.077	.022	
9.0	.178	.086	.024	.172	.084	.024	.161	.080	.023	.150	.075	.022	.141	.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	.292	.265	.275	.250	.228	.188	.172	.157	.108	.100	.092	.035	.032	.030	
2.0	.315	.269	.230	.270	.231	.199	.185	.160	.139	.107	.093	.081	.034	.030	.026	
3.0	.308	.252	.208	.264	.218	.180	.181	.151	.127	.105	.088	.075	.034	.029	.024	
4.0	.300	.240	.194	.257	.207	.168	.177	.144	.119	.102	.085	.070	.033	.028	.023	
5.0	.292	.230	.184	.251	.199	.160	.173	.139	.113	.100	.082	.067	.032	.027	.022	
6.0	.285	.222	.177	.245	.192	.154	.169	.135	.109	.098	.079	.065	.032	.026	.021	
7.0	.278	.215	.172	.239	.187	.150	.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	.265	.205	.165	.228	.178	.144	.158	.125	.102	.092	.074	.061	.030	.024	.020	
10.0	.259	.201	.162	.223	.174	.142	.155	.123	.101	.090	.073	.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:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm										
NAME: MLS1200CCT					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	13.0	14.4	13.5	14.9	15.5	15.2	16.6	15.7	17.1	17.7
3H	14.5	15.8	15.0	16.3	16.9	17.8	19.0	18.3	19.6	20.2
4H	15.1	16.3	15.6	16.8	17.5	19.1	20.3	19.7	20.9	21.5
6H	15.4	16.6	16.0	17.1	17.8	20.6	21.7	21.2	22.3	23.0
8H	15.5	16.6	16.1	17.2	17.8	21.4	22.5	22.0	23.1	23.8
12H	15.5	16.6	16.1	17.2	17.8	22.4	23.5	23.0	24.1	24.7
4H 2H	14.2	15.5	14.8	16.0	16.6	15.8	17.0	16.3	17.6	18.2
3H	16.0	17.1	16.6	17.7	18.4	18.6	19.6	19.2	20.2	20.9
4H	16.8	17.8	17.4	18.4	19.1	20.1	21.1	20.7	21.7	22.4
6H	17.3	18.2	18.0	18.9	19.6	21.8	22.7	22.5	23.3	24.1
8H	17.5	18.3	18.2	19.0	19.7	22.8	23.6	23.4	24.2	25.0
12H	17.6	18.4	18.3	19.0	19.8	23.9	24.6	24.5	25.3	26.1
8H 4H	17.8	18.6	18.5	19.3	20.1	20.5	21.3	21.1	21.9	22.7
6H	18.8	19.5	19.5	20.1	20.9	22.5	23.2	23.2	23.8	24.6
8H	19.2	19.8	19.9	20.5	21.3	23.6	24.2	24.3	24.9	25.8
12H	19.5	20.0	20.2	20.7	21.6	25.0	25.5	25.7	26.3	27.1
12H 4H	18.1	18.9	18.8	19.6	20.3	20.5	21.2	21.2	21.9	22.7
6H	19.3	19.9	20.0	20.6	21.5	22.6	23.2	23.3	23.9	24.7
8H	19.9	20.4	20.6	21.2	22.0	23.8	24.4	24.6	25.1	25.9
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, 1919 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)

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:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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	47	35	28	46	34	27	44	33	27	20
0.80	57	44	35	55	43	35	52	41	34	26
1.00	64	52	43	62	50	43	59	51	41	32
1.25	72	59	50	69	58	49	65	55	48	38
1.50	77	65	56	74	63	55	69	60	53	42
2.00	84	73	65	81	71	63	75	67	60	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

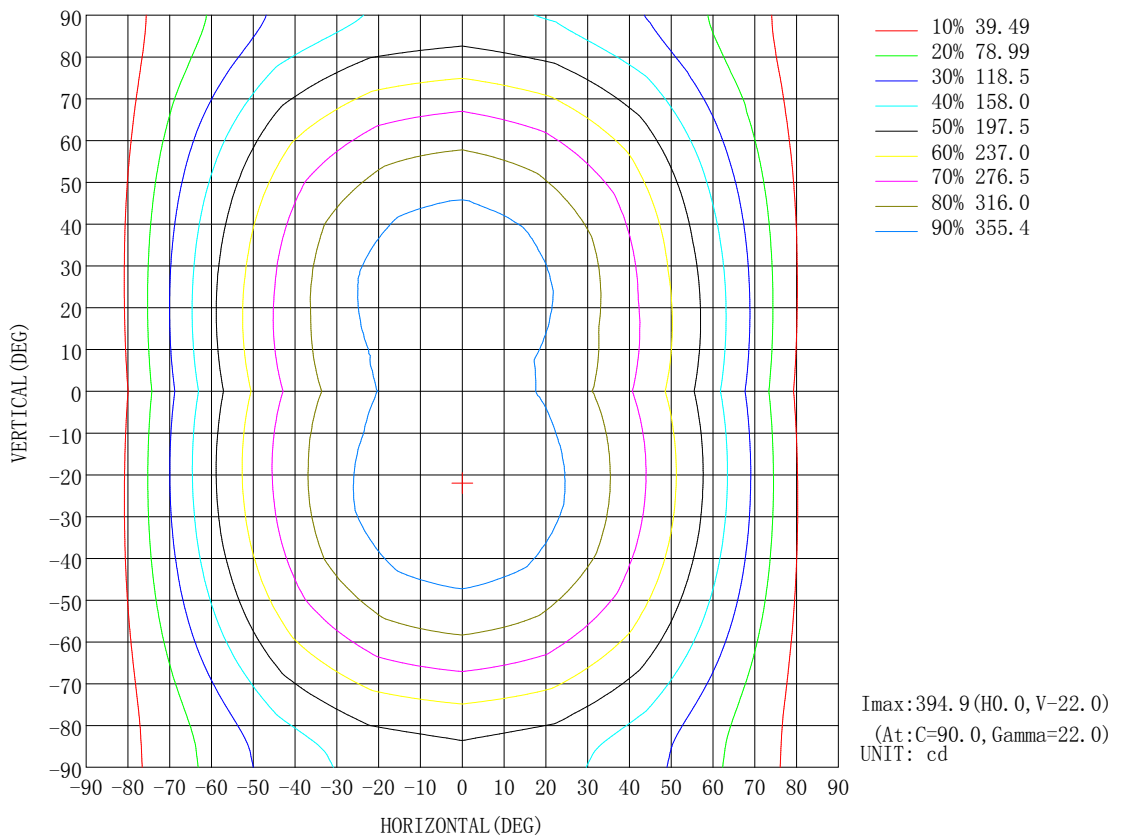
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.688m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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: 2016-12-5

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

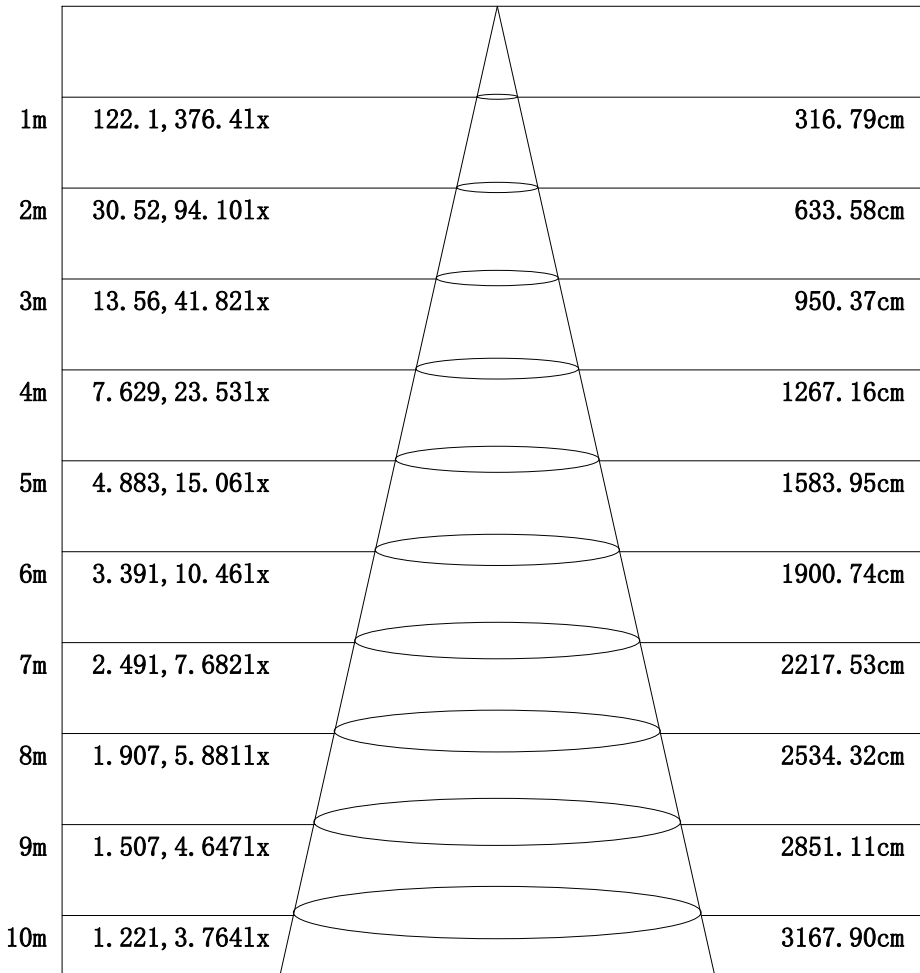
Checker: Harry Huang

Assessor: Akin Xu

AAI Figure

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR:	SUR. :	Shielding Angle:

Flux out:982.2 lm



Height Eavg, Emax Angle:115.47deg 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:2016-12-5

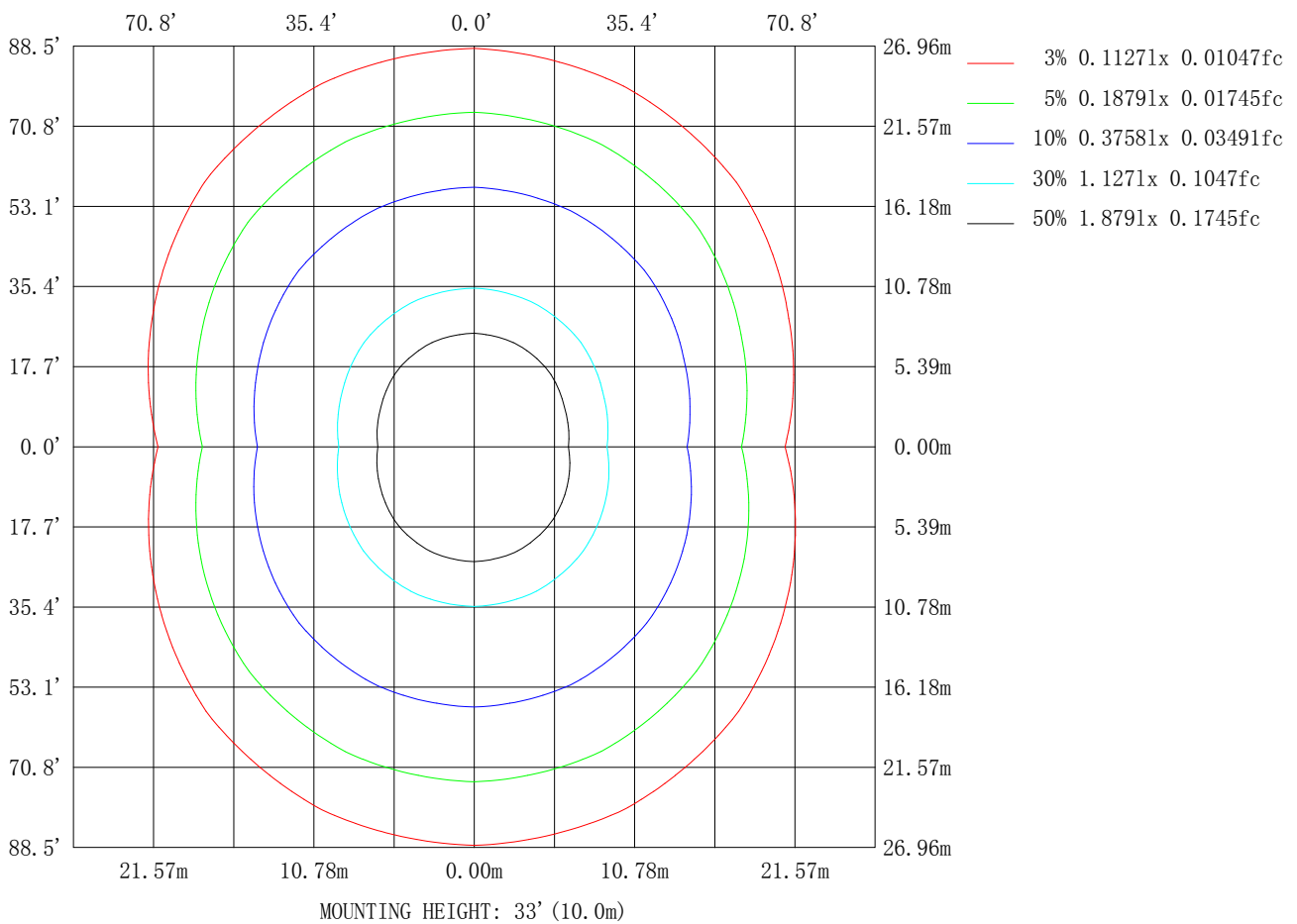
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.688m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.2V I:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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:2016-12-5

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:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR:	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65) av	2524
L_0~180(75) av	2066
L_0~180(85) av	897
L_90~270(65) av	5169
L_90~270(75) av	6978
L_90~270(85) av	16612
L_45(65) av	4416
L_45(75) av	5571
L_45(85) av	12098

Standard: GB/T 29293-2012

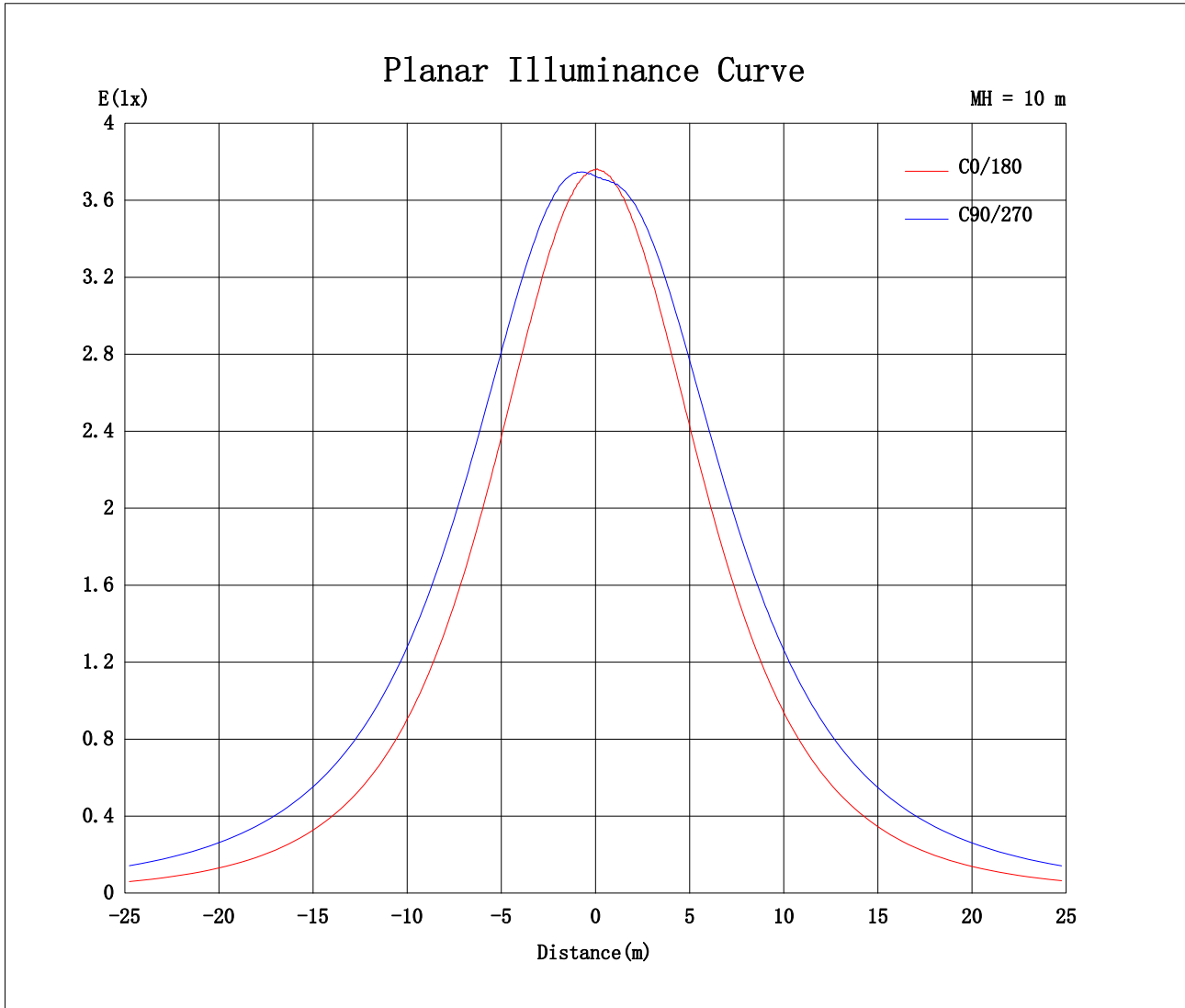
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-12-5

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:0.1100A P:24.60W PF:0.9313 Freq:50.00Hz Lamp Flux:1918.69x1 lm		
NAME: MLS1200CCT	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	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373			
5	371	372	376	379	379	379	377	374	372	371	373	374	374	373	371	371			
10	366	371	379	384	387	385	380	374	369	369	375	379	380	378	373	367			
15	358	367	380	388	392	390	382	372	362	366	376	384	385	381	373	362			
20	347	361	378	390	395	392	382	366	353	360	376	385	388	383	371	355			
25	333	352	374	389	394	391	378	359	341	352	373	385	388	381	367	346			
30	318	341	367	384	391	387	372	348	326	342	367	381	385	377	360	334			
35	299	327	357	377	384	380	363	335	308	329	358	375	379	370	350	320			
40	277	310	344	366	374	370	351	319	287	314	347	365	369	360	338	303			
45	254	291	329	353	362	357	336	300	264	295	333	353	358	347	323	284			
50	228	269	311	338	347	342	318	279	238	274	316	337	344	332	306	263			
55	199	244	290	319	329	323	298	254	209	250	296	320	327	314	285	239			
60	168	218	267	298	309	303	274	227	177	224	274	300	307	294	263	212			
65	136	188	241	275	287	279	248	197	144	196	249	278	285	272	238	184			
70	102	157	214	250	262	254	221	165	109	165	223	253	262	247	212	154			
75	66.9	126	186	224	236	227	192	133	73.0	133	194	227	236	221	183	123			
80	34.8	95.9	159	199	212	202	164	101	38.8	102	165	200	210	195	156	93.5			
85	9.35	72.3	138	179	193	181	143	76.2	11.1	74.7	140	176	186	171	131	68.1			
90	0.34	63.2	130	171	186	173	134	66.3	0.24	61.3	124	160	169	155	116	55.8			
95	0.46	27.4	58.3	145	171	159	88.3	27.4	0.33	26.1	106	155	164	150	110	26.9			
100	0.72	27.8	51.3	2.60	9.26	0.99	21.2	30.7	0.65	30.3	14.4	22.8	67.2	38.5	8.71	24.7			
105	0.81	26.3	88.9	119	89.5	98.6	83.6	27.5	0.68	25.2	77.1	70.6	27.2	53.2	74.0	23.8			
110	0.88	30.4	88.6	125	141	127	89.1	29.9	0.75	28.8	83.7	118	131	114	79.9	26.6			
115	0.97	30.1	84.4	119	132	121	86.7	30.7	0.84	30.2	82.1	114	124	110	78.1	28.6			
120	0.93	27.6	79.1	111	123	113	81.7	29.3	0.84	30.1	78.5	107	116	104	74.7	25.9			
125	1.02	24.4	72.5	102	113	104	75.1	26.9	0.96	26.6	71.2	99.5	107	96.9	69.9	24.0			
130	1.01	21.1	65.2	92.5	102	94.0	67.5	23.6	0.89	25.2	65.4	90.1	98.3	88.2	63.2	21.9			
135	1.05	3.22	56.9	82.2	90.6	83.5	59.1	16.4	0.99	16.1	58.0	79.7	87.1	79.0	56.6	17.5			
140	1.00	3.40	48.3	71.1	78.9	72.3	50.2	2.55	0.92	3.73	49.4	68.8	76.6	67.9	47.9	1.56			
145	0.88	10.00	39.6	59.5	66.4	60.6	41.3	11.2	0.92	15.4	42.2	59.5	65.9	58.7	41.2	12.7			
150	0.89	6.93	30.6	47.8	53.5	48.7	32.3	7.80	0.94	11.5	34.9	49.0	54.2	48.3	33.1	11.5			
155	0.91	4.15	0.88	35.9	40.8	36.7	0.81	5.05	1.04	8.94	1.05	38.9	43.3	39.2	1.10	8.46			
160	0.95	1.91	11.4	0.88	4.35	0.83	13.1	2.39	1.07	6.08	17.1	1.20	10.6	1.28	16.4	5.71			
165	0.95	1.02	5.33	11.1	13.8	12.2	6.27	0.91	1.10	3.09	11.7	17.2	15.6	15.6	10.2	3.26			
170	0.97	0.99	1.35	3.42	4.72	3.98	1.56	0.83	1.08	1.56	4.51	9.01	9.78	7.83	4.58	1.49			
175	1.00	1.01	0.99	0.88	0.84	0.84	0.83	0.84	1.04	1.05	1.49	1.67	2.64	2.06	1.34	1.10			
180	1.04	1.05	1.02	0.98	0.90	0.91	1.00	1.03	1.04	1.05	1.03	0.97	0.90	0.91	1.00	1.02			

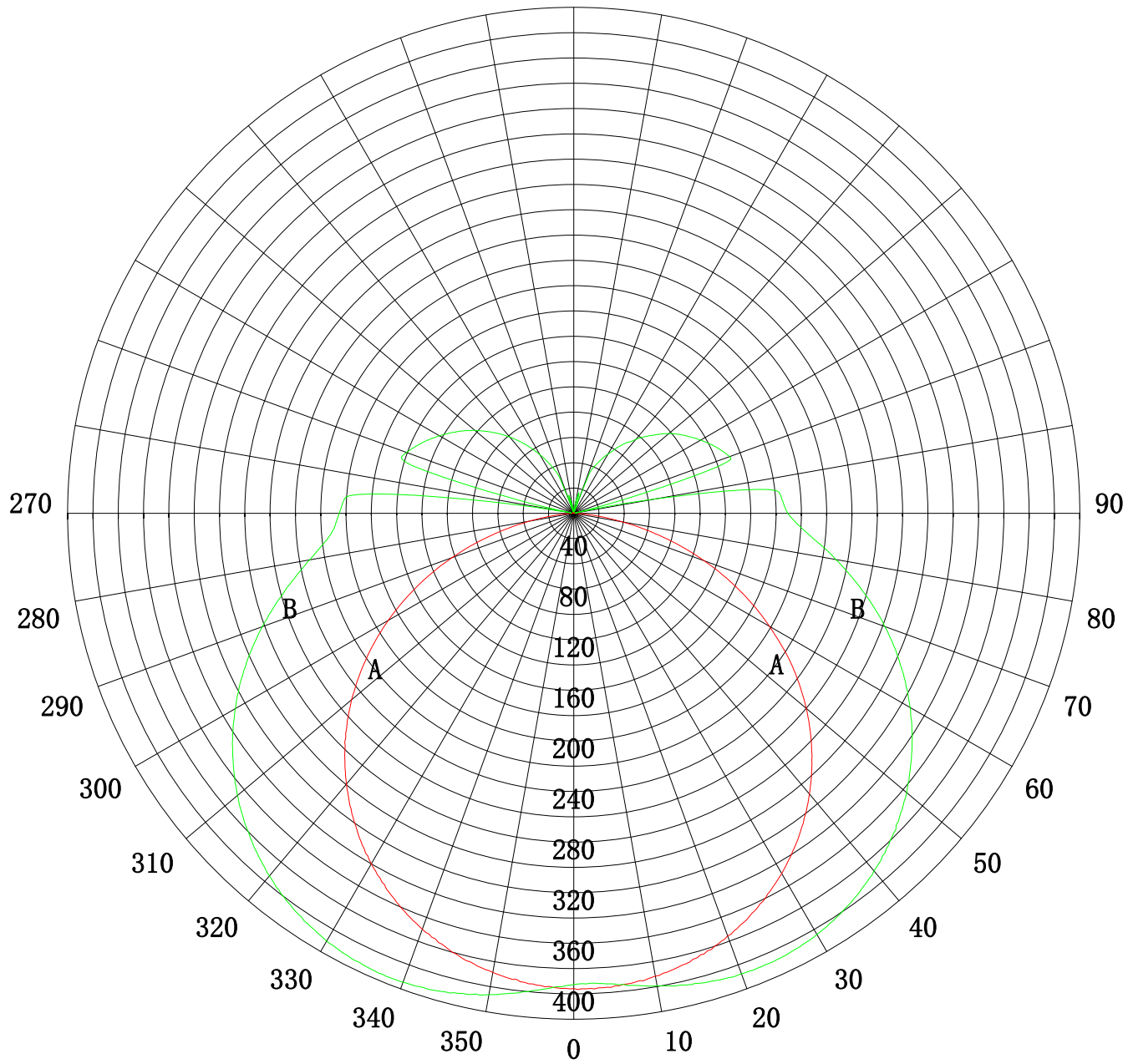
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-12-5

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

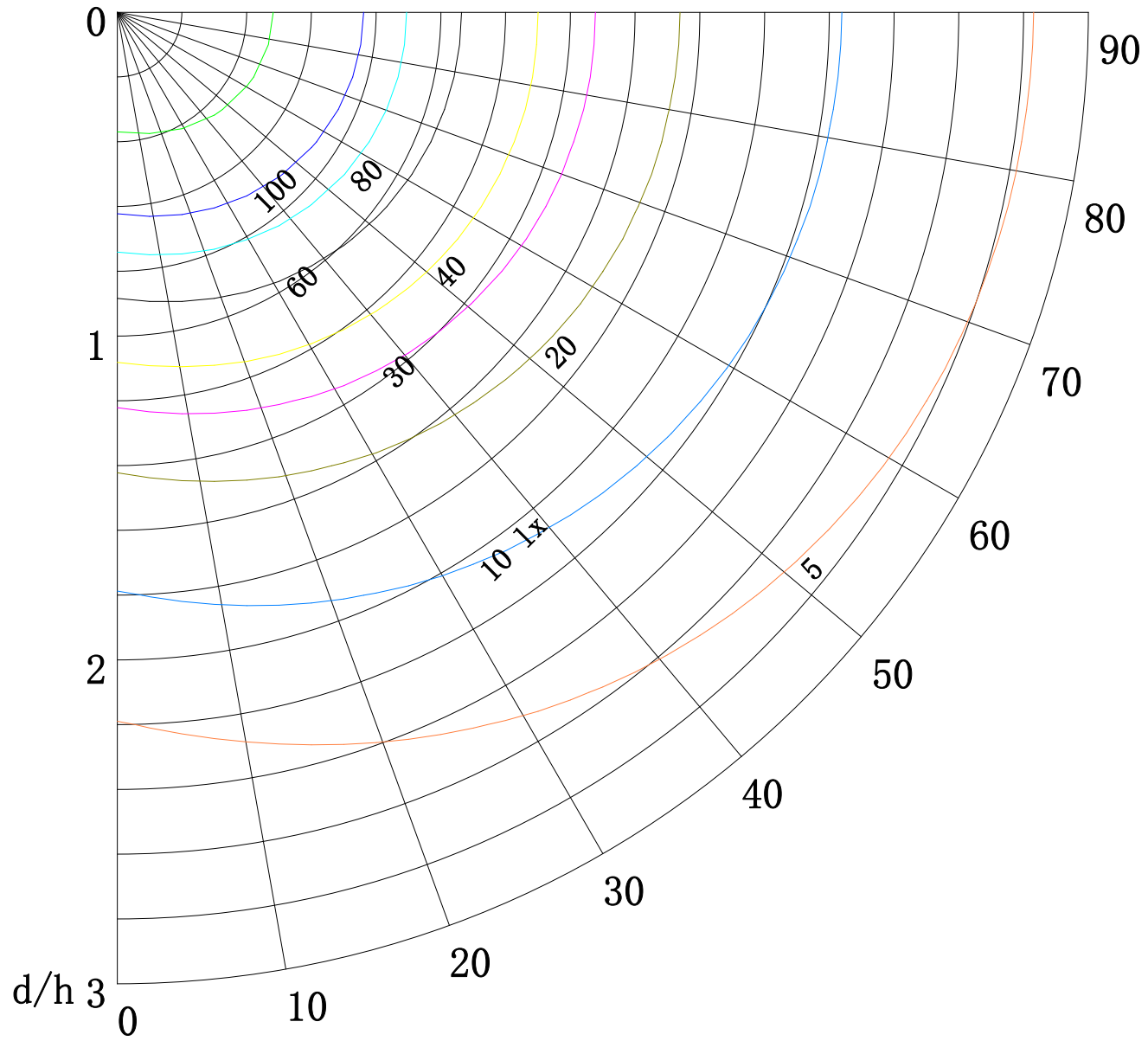
Assessor: Akin Xu

I (cd)



1000 l_m

K = 1



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

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

