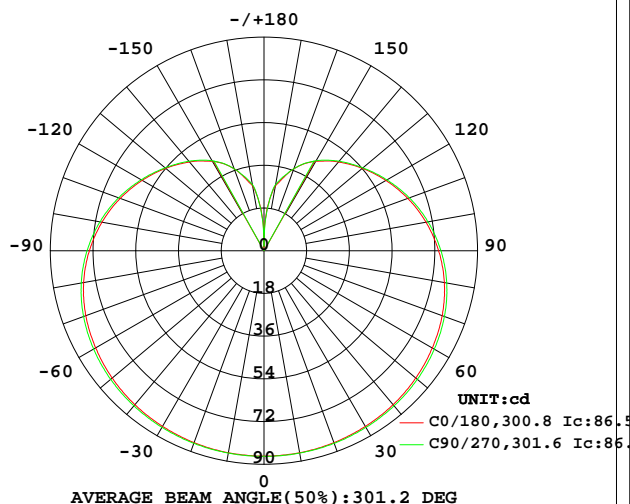


## LUMINAIRE PHOTOMETRIC TEST REPORT

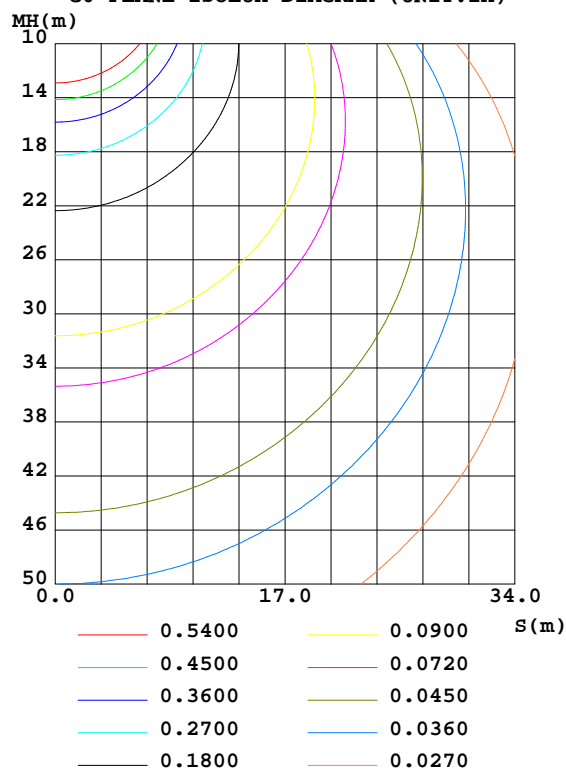
Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.05 lm/W			
MODEL	250mm	Imax(cd)	86.67	S/MH(C0/180)	1.51
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	1.52
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	874.96	$\eta$ UP,DN(C0-180)	20.7,29.3
NOMINAL FLUX(lm)	874.956	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	20.7,29.3
LAMPS INSIDE	1	$\eta$ up(%)	41.3	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	240	$\eta$ down(%)	58.7	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

### ZONAL FLUX DIAGRAM

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
5	86.47	86.53	86.63	86.53	86.47	86.53	86.63	86.53	0- 5	2.069	2.069	0.24,0.24
10	86.45	86.45	86.53	86.45	86.45	86.45	86.53	86.45	5- 10	6.188	8.257	0.94,0.94
15	86.29	86.34	86.50	86.34	86.29	86.34	86.50	86.34	10- 15	10.25	18.51	2.12,2.12
20	86.08	86.16	86.29	86.16	86.08	86.16	86.29	86.16	15- 20	14.22	32.73	3.74,3.74
25	85.77	85.92	86.15	85.92	85.77	85.92	86.15	85.92	20- 25	18.05	50.78	5.8,5.8
30	85.50	85.64	85.90	85.64	85.50	85.64	85.90	85.64	25- 30	21.72	72.49	8.29,8.29
35	85.09	85.35	85.66	85.35	85.09	85.35	85.66	85.35	30- 35	25.18	97.68	11.2,11.2
40	84.68	84.95	85.24	84.95	84.68	84.95	85.24	84.95	35- 40	28.41	126.1	14.4,14.4
45	84.11	84.45	84.88	84.45	84.11	84.45	84.88	84.45	40- 45	31.37	157.5	18,18
50	83.47	83.85	84.31	83.85	83.47	83.85	84.31	83.85	45- 50	34.02	191.5	21.9,21.9
55	82.72	83.17	83.65	83.17	82.72	83.17	83.65	83.17	50- 55	36.32	227.8	26,26
60	81.91	82.36	82.88	82.36	81.91	82.36	82.88	82.36	55- 60	38.26	266.1	30.4,30.4
65	80.95	81.39	82.01	81.39	80.95	81.39	82.01	81.39	60- 65	39.82	305.9	35,35
70	79.89	80.32	80.87	80.32	79.89	80.32	80.87	80.32	65- 70	40.97	346.9	39.6,39.6
75	78.63	79.07	79.69	79.07	78.63	79.07	79.69	79.07	70- 75	41.69	388.5	44.4,44.4
80	77.15	77.58	78.13	77.58	77.15	77.58	78.13	77.58	75- 80	41.95	430.5	49.2,49.2
85	75.44	75.90	76.46	75.90	75.44	75.90	76.46	75.90	80- 85	41.73	472.2	54,54
90	73.60	73.98	74.57	73.98	73.60	73.98	74.57	73.98	85- 90	41.07	513.3	58.7,58.7
95	71.52	71.93	72.48	71.93	71.52	71.93	72.48	71.93	90- 95	39.98	553.3	63.2,63.2
100	69.33	69.68	70.21	69.68	69.33	69.68	70.21	69.68	95-100	38.51	591.8	67.6,67.6
105	66.96	67.29	67.81	67.29	66.96	67.29	67.81	67.29	100-105	36.68	628.5	71.8,71.8
110	64.52	64.78	65.26	64.78	64.52	64.78	65.26	64.78	105-110	34.55	663.0	75.8,75.8
115	61.91	62.16	62.50	62.16	61.91	62.16	62.50	62.16	110-115	32.17	695.2	79.5,79.5
120	59.31	59.52	59.82	59.52	59.31	59.52	59.82	59.52	115-120	29.60	724.8	82.8,82.8
125	56.69	56.89	57.10	56.89	56.69	56.89	57.10	56.89	120-125	26.92	751.7	85.9,85.9
130	54.08	54.29	54.41	54.29	54.08	54.29	54.41	54.29	125-130	24.18	775.9	88.7,88.7
135	51.41	51.73	51.81	51.73	51.41	51.73	51.81	51.73	130-135	21.42	797.3	91.1,91.1
140	48.89	49.03	49.28	49.03	48.89	49.03	49.28	49.03	135-140	18.68	816.0	93.3,93.3
145	46.22	46.35	46.65	46.35	46.22	46.35	46.65	46.35	140-145	15.95	831.9	95.1,95.1
150	43.53	43.30	43.83	43.30	43.53	43.30	43.83	43.30	145-150	13.26	845.2	96.6,96.6
155	40.51	39.54	40.66	39.54	40.51	39.54	40.66	39.54	150-155	10.57	855.7	97.8,97.8
160	36.75	35.18	36.75	35.18	36.75	35.18	36.75	35.18	155-160	7.984	863.7	98.7,98.7
165	31.90	31.33	32.57	31.33	31.90	31.33	32.57	31.33	160-165	5.613	869.3	99.4,99.4
170	27.69	27.25	28.27	27.25	27.69	27.25	28.27	27.25	165-170	3.549	872.9	99.8,99.8
175	19.05	18.21	18.28	18.21	19.05	18.21	18.28	18.21	170-175	1.727	874.6	100,100
180	1.548	1.810	1.910	1.810	1.548	1.810	1.910	1.810	175-180	0.3360	875.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 157.46 lm

%lum = 18.0%

%lamp = 18.0%

Conical surface Flux(120deg): 266.06 lm

%lum = 30.4%

%lamp = 30.4%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Wilson  
 Test Date:2021-03-13

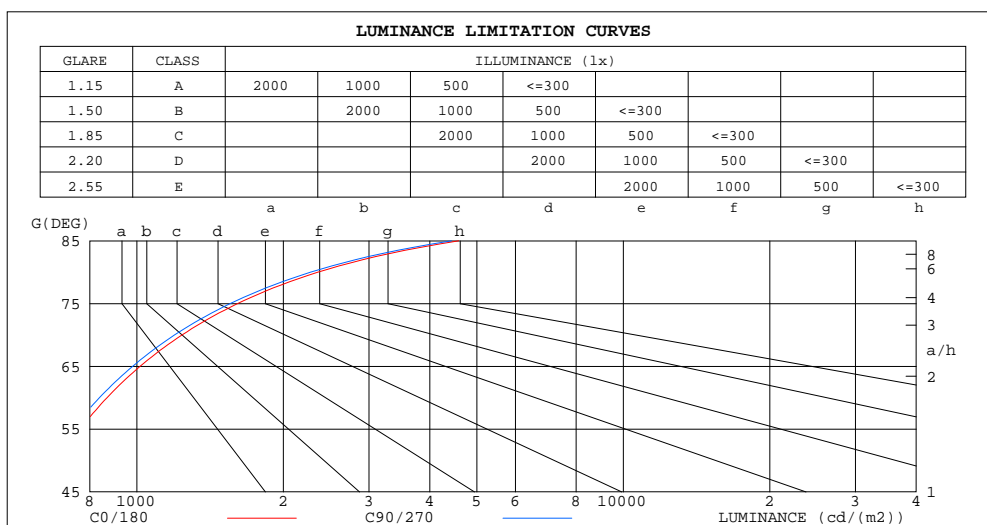
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:60.5%  
 Test Distance:2.521m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

### LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4587	4432
80	2355	2273
75	1610	1556
70	1238	1195
65	1015	980
60	868	837
55	764	737
50	688	663
45	630	606

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

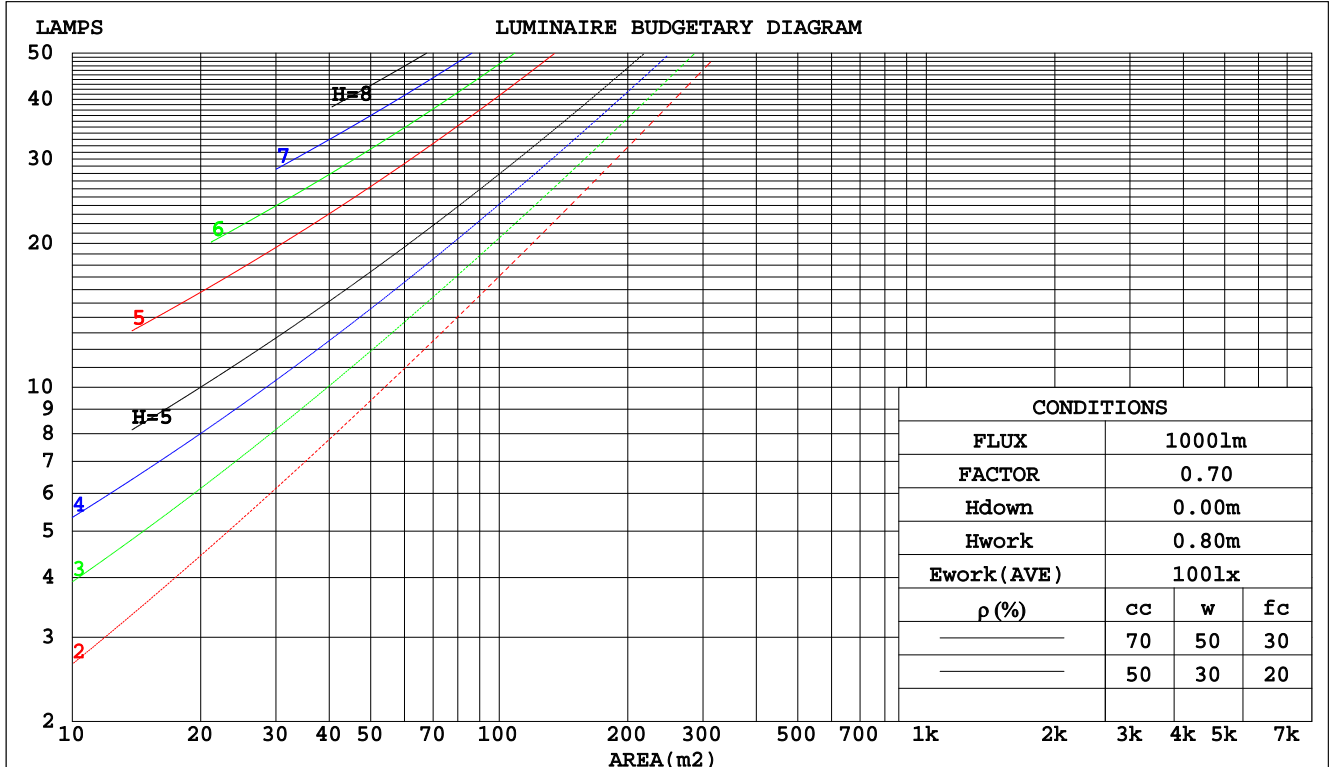
Checker: Near Gao

Assessor: Akin Xu

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	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	1.09	1.09	1.09	1.02	1.02	1.02	.88	.88	.88	.76	.76	.76	.64	.64	.64	.59
1.0	.89	.83	.78	.82	.77	.73	.70	.67	.63	.59	.56	.54	.49	.47	.45	.40
2.0	.75	.67	.60	.70	.62	.56	.59	.54	.49	.50	.45	.41	.41	.38	.35	.30
3.0	.65	.55	.48	.60	.52	.45	.51	.44	.39	.43	.38	.33	.35	.31	.28	.24
4.0	.56	.47	.40	.52	.44	.37	.44	.38	.32	.37	.32	.27	.31	.26	.23	.19
5.0	.50	.40	.33	.46	.38	.31	.39	.32	.27	.33	.27	.23	.27	.23	.19	.16
6.0	.44	.35	.28	.41	.33	.27	.35	.28	.23	.30	.24	.20	.24	.20	.16	.13
7.0	.40	.31	.24	.37	.29	.23	.32	.25	.20	.27	.21	.17	.22	.18	.14	.12
8.0	.36	.27	.21	.33	.26	.20	.29	.22	.18	.24	.19	.15	.20	.16	.13	.10
9.0	.33	.24	.19	.30	.23	.18	.26	.20	.15	.22	.17	.13	.19	.14	.11	.09
10.0	.30	.22	.17	.28	.21	.16	.24	.18	.14	.21	.15	.12	.17	.13	.10	.08



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

## WEC AND CCEC

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	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	.410	.233	.074	.390	.222	.071	.353	.202	.065	.318	.184	.059	.287	.166	.054		
2.0	.343	.188	.058	.325	.179	.055	.291	.162	.050	.260	.146	.046	.231	.131	.041		
3.0	.300	.160	.048	.284	.152	.046	.253	.137	.042	.224	.123	.038	.198	.109	.034		
4.0	.267	.139	.041	.252	.132	.039	.224	.119	.035	.198	.106	.032	.173	.094	.029		
5.0	.241	.123	.036	.228	.117	.034	.202	.105	.031	.178	.094	.028	.155	.083	.025		
6.0	.220	.110	.032	.208	.105	.030	.184	.094	.027	.161	.084	.025	.140	.074	.022		
7.0	.202	.100	.028	.191	.095	.027	.169	.085	.025	.148	.076	.022	.128	.067	.020		
8.0	.187	.091	.026	.176	.087	.025	.156	.078	.022	.137	.069	.020	.118	.061	.018		
9.0	.174	.084	.023	.164	.080	.022	.145	.072	.020	.127	.064	.018	.110	.056	.016		
10.0	.162	.078	.022	.153	.074	.021	.135	.066	.019	.119	.059	.017	.103	.052	.015		

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	.505	.505	.505	.432	.432	.432	.295	.295	.295	.169	.169	.169	.054	.054	.054		
1.0	.505	.473	.444	.432	.406	.382	.295	.279	.264	.170	.162	.154	.054	.052	.050		
2.0	.499	.451	.411	.427	.388	.356	.293	.269	.248	.169	.156	.145	.054	.051	.047		
3.0	.492	.436	.391	.422	.376	.339	.289	.261	.238	.167	.153	.140	.054	.050	.046		
4.0	.484	.424	.378	.415	.367	.329	.286	.255	.231	.165	.150	.137	.053	.049	.045		
5.0	.477	.415	.369	.409	.359	.321	.282	.251	.227	.163	.147	.135	.053	.048	.044		
6.0	.469	.407	.363	.403	.353	.316	.278	.247	.224	.161	.145	.133	.052	.048	.044		
7.0	.462	.401	.358	.398	.348	.312	.275	.244	.221	.160	.144	.132	.052	.047	.044		
8.0	.456	.396	.355	.392	.343	.309	.272	.241	.219	.158	.142	.131	.051	.047	.043		
9.0	.450	.391	.352	.387	.340	.307	.268	.239	.218	.156	.141	.130	.051	.046	.043		
10.0	.444	.388	.350	.383	.336	.305	.266	.237	.217	.155	.140	.129	.050	.046	.043		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [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:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm											
NAME: Bally Full Sphere						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Ambience Lighting						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		9.8	10.9	10.5	11.7	12.7	9.7	10.8	10.5	11.6	12.6
	3H	12.8	13.9	13.6	14.7	15.8	12.7	13.8	13.5	14.6	15.7
	4H	14.6	15.6	15.4	16.4	17.5	14.5	15.5	15.3	16.3	17.4
	6H	16.5	17.5	17.4	18.3	19.4	16.4	17.3	17.2	18.2	19.3
	8H	17.6	18.5	18.5	19.4	20.5	17.5	18.4	18.3	19.2	20.3
	12H	18.9	19.8	19.7	20.6	21.7	18.7	19.6	19.6	20.5	21.6
4H	2H	10.7	11.7	11.5	12.5	13.6	10.6	11.6	11.4	12.5	13.5
	3H	13.9	14.8	14.7	15.6	16.7	13.8	14.7	14.7	15.6	16.7
	4H	15.8	16.6	16.6	17.5	18.6	15.7	16.5	16.6	17.4	18.5
	6H	17.9	18.6	18.8	19.5	20.7	17.8	18.5	18.7	19.4	20.6
	8H	19.1	19.7	20.0	20.7	21.8	19.0	19.6	19.9	20.5	21.7
	12H	20.4	21.0	21.3	22.0	23.2	20.3	20.9	21.2	21.8	23.0
8H	4H	16.4	17.1	17.3	18.0	19.2	16.4	17.1	17.3	18.0	19.1
	6H	18.8	19.4	19.7	20.3	21.5	18.7	19.3	19.7	20.2	21.4
	8H	20.2	20.7	21.1	21.6	22.8	20.1	20.6	21.0	21.6	22.8
	12H	21.7	22.2	22.7	23.1	24.4	21.6	22.1	22.6	23.1	24.3
12H	4H	16.6	17.2	17.5	18.2	19.4	16.6	17.2	17.5	18.1	19.3
	6H	19.1	19.6	20.0	20.6	21.8	19.0	19.6	20.0	20.5	21.7
	8H	20.6	21.0	21.5	22.0	23.2	20.5	21.0	21.5	21.9	23.2
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 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 875.0 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -0.5$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**UTILIZATION FACTORS TABLE**

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	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) $k(RI) \times RCR = 5$									
$k = 0.60$	39	26	19	37	25	18	34	24	17	10
0.80	47	34	25	45	32	25	41	30	23	14
1.00	55	41	32	52	39	31	46	38	28	18
1.25	62	48	38	58	45	37	51	41	34	21
1.50	67	53	44	63	50	42	55	45	38	24
2.00	74	62	53	70	58	50	61	52	45	28
2.50	79	68	59	74	64	56	65	56	50	32
3.00	83	73	64	78	68	61	68	60	54	34
4.00	89	79	72	83	74	67	72	65	60	38
5.00	92	84	77	86	78	72	74	69	64	41
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:25.1DEG  
 Operators:Wilson  
 Test Date:2021-03-13

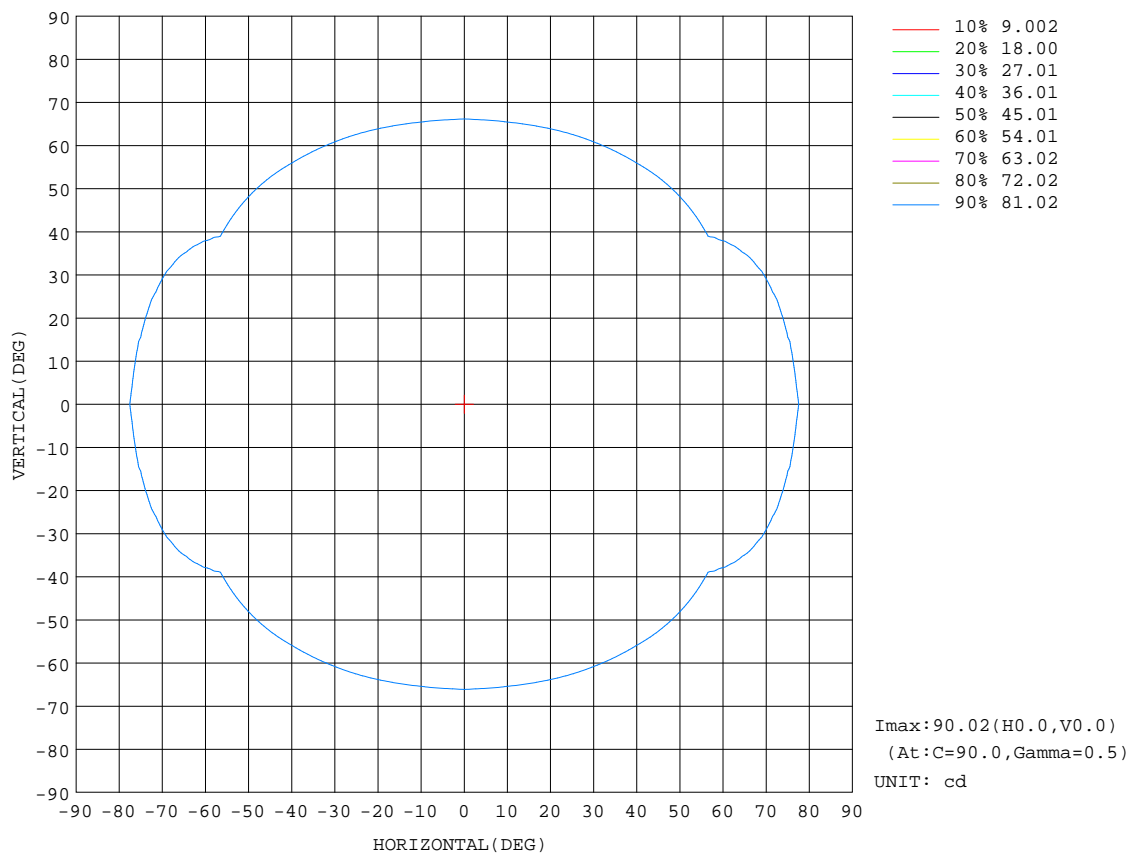
Checker: Near Gao

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity:60.5%  
 Test Distance:2.521m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

**ISOCANDELA DIAGRAM**

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Wilson  
 Test Date: 2021-03-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
 Humidity: 60.5%  
 Test Distance: 2.521m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

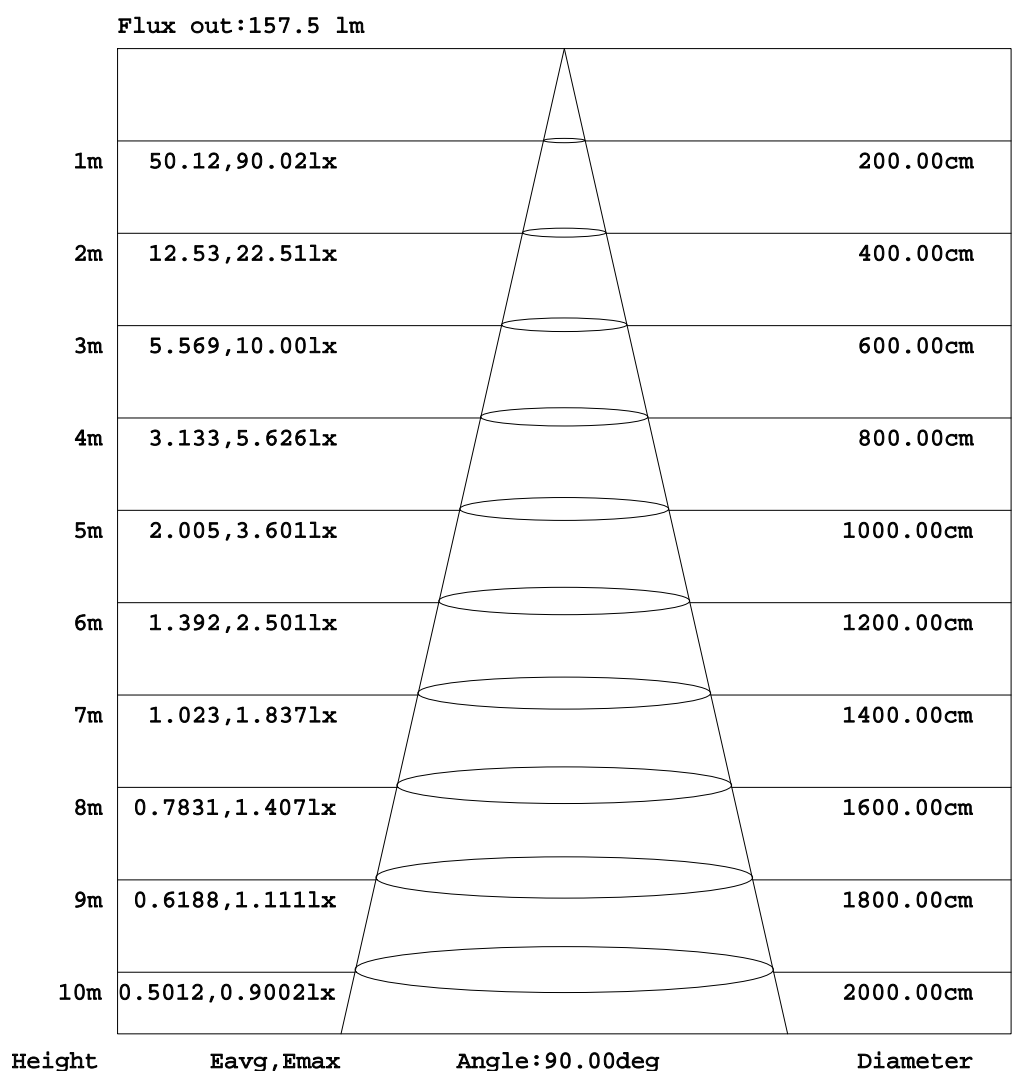
Checker: Near Gao

Assessor: Akin Xu



## AAI Figure

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	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:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

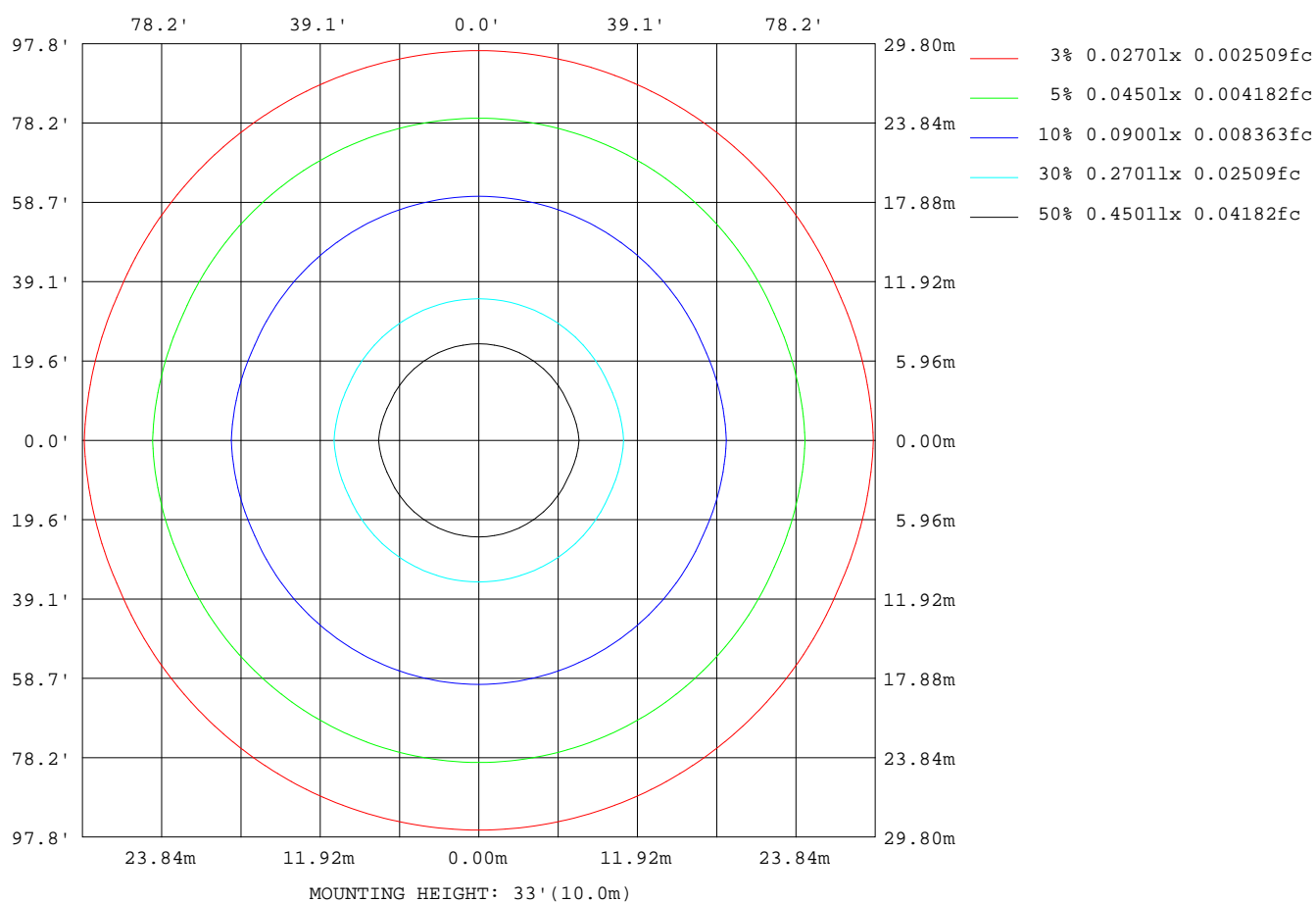
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

## ISOLUX DIAGRAM

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

### LED Avg.L Report

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm		
NAME: Bally Full Sphere	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ambience Lighting	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	976
L_0~180(75)av	1548
L_0~180(85)av	4410
L_90~270(65)av	989
L_90~270(75)av	1569
L_90~270(85)av	4470
L_45(65)av	981
L_45(75)av	1557
L_45(85)av	4438

Standard: GB/T 29293-2012

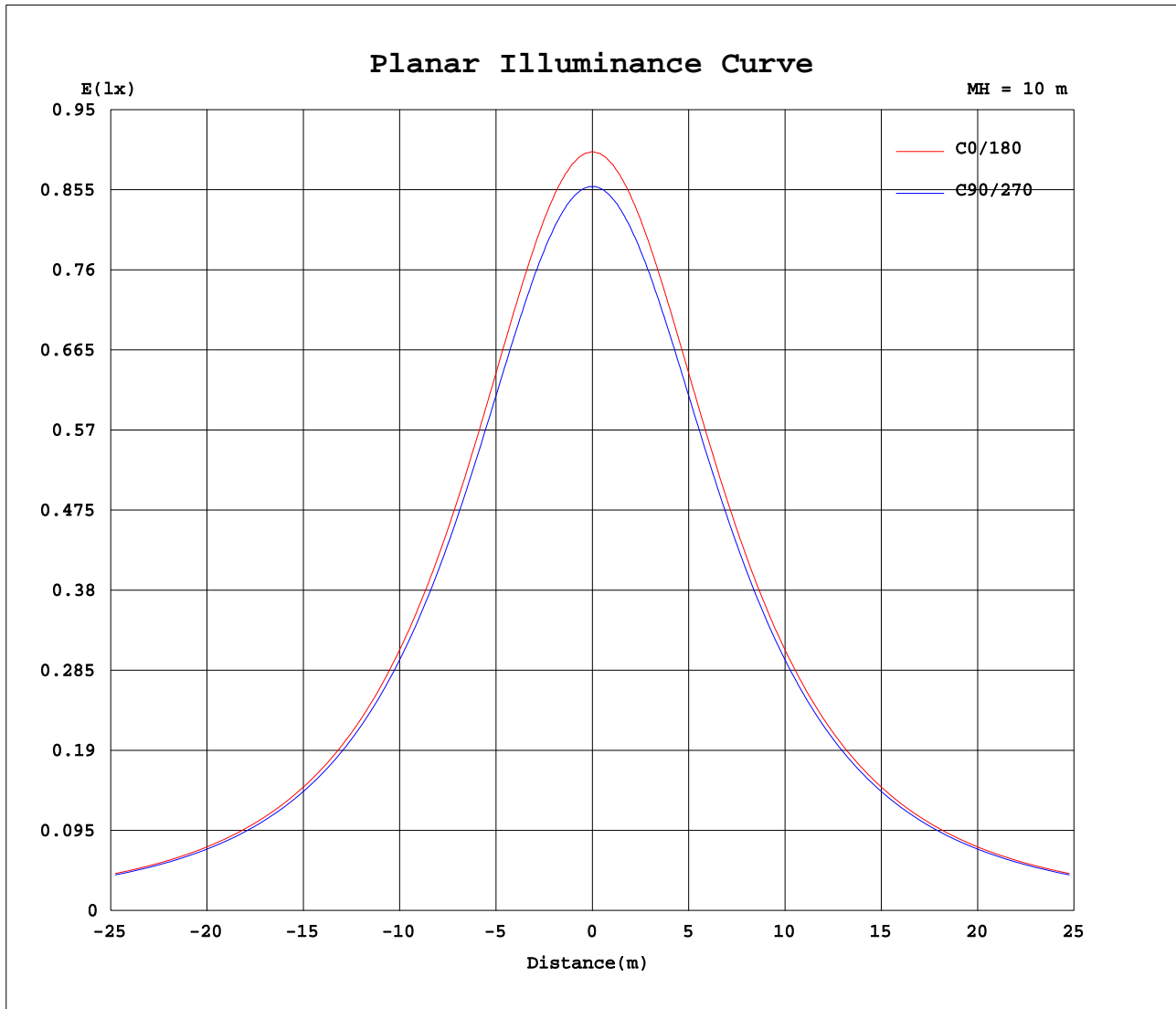
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

Checker: Near Gao

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [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: 25.1DEG  
Operators: Wilson  
Test Date: 2021-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity: 60.5%  
Test Distance: 2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0441A P:9.109W PF:0.8594 Freq:50.00Hz Lamp Flux:874.956x1 lm																	
NAME: Bally Full Sphere									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Ambience Lighting									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	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6			
5	86.5	86.5	86.5	86.5	86.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.5	86.5	86.5			
10	86.4	86.5	86.4	86.5	86.5	86.5	86.4	86.5	86.4	86.5	86.4	86.5	86.5	86.5	86.4	86.5			
15	86.3	86.3	86.3	86.4	86.5	86.4	86.3	86.3	86.3	86.3	86.3	86.4	86.5	86.4	86.3	86.3			
20	86.1	86.1	86.2	86.2	86.3	86.2	86.2	86.1	86.1	86.1	86.2	86.2	86.3	86.2	86.2	86.1			
25	85.8	85.8	85.9	86.1	86.2	86.1	85.9	85.8	85.8	85.8	85.9	86.1	86.2	86.1	85.9	85.8			
30	85.5	85.5	85.6	85.8	85.9	85.8	85.6	85.5	85.5	85.5	85.6	85.8	85.9	85.8	85.6	85.5			
35	85.1	85.2	85.3	85.5	85.7	85.5	85.3	85.2	85.1	85.2	85.3	85.5	85.7	85.5	85.3	85.2			
40	84.7	84.8	85.0	85.1	85.2	85.1	85.0	84.8	84.7	84.8	85.0	85.1	85.2	85.1	85.0	84.8			
45	84.1	84.2	84.5	84.7	84.9	84.7	84.5	84.2	84.1	84.2	84.5	84.7	84.9	84.7	84.5	84.2			
50	83.5	83.6	83.9	84.1	84.3	84.1	83.9	83.6	83.5	83.6	83.9	84.1	84.3	84.1	83.9	83.6			
55	82.7	82.9	83.2	83.5	83.7	83.5	83.2	82.9	82.7	82.9	83.2	83.5	83.7	83.5	83.2	82.9			
60	81.9	82.1	82.4	82.7	82.9	82.7	82.4	82.1	81.9	82.1	82.4	82.7	82.9	82.7	82.4	82.1			
65	80.9	81.1	81.4	81.8	82.0	81.8	81.4	81.1	80.9	81.1	81.4	81.8	82.0	81.8	81.4	81.1			
70	79.9	80.1	80.3	80.7	80.9	80.7	80.3	80.1	79.9	80.1	80.3	80.7	80.9	80.7	80.3	80.1			
75	78.6	78.8	79.1	79.4	79.7	79.4	79.1	78.8	78.6	78.8	79.1	79.4	79.7	79.4	79.1	78.8			
80	77.2	77.3	77.6	77.9	78.1	77.9	77.6	77.3	77.2	77.3	77.6	77.9	78.1	77.9	77.6	77.3			
85	75.4	75.6	75.9	76.2	76.5	76.2	75.9	75.6	75.4	75.6	75.9	76.2	76.5	76.2	75.9	75.6			
90	73.6	73.7	74.0	74.3	74.6	74.3	74.0	73.7	73.6	73.7	74.0	74.3	74.6	74.3	74.0	73.7			
95	71.5	71.7	71.9	72.2	72.5	72.2	71.9	71.7	71.5	71.7	71.9	72.2	72.5	72.2	71.9	71.7			
100	69.3	69.4	69.7	70.0	70.2	70.0	69.7	69.4	69.3	69.4	69.7	70.0	70.2	70.0	69.7	69.4			
105	67.0	67.1	67.3	67.6	67.8	67.6	67.3	67.1	67.0	67.1	67.3	67.6	67.8	67.6	67.3	67.1			
110	64.5	64.6	64.8	65.0	65.3	65.0	64.8	64.6	64.5	64.6	64.8	65.0	65.3	65.0	64.8	64.6			
115	61.9	62.0	62.2	62.4	62.5	62.4	62.2	62.0	61.9	62.0	62.2	62.4	62.5	62.4	62.2	62.0			
120	59.3	59.4	59.5	59.7	59.8	59.7	59.5	59.4	59.3	59.4	59.5	59.7	59.8	59.7	59.5	59.4			
125	56.7	56.7	56.9	57.0	57.1	57.0	56.9	56.7	56.7	56.7	56.9	57.0	57.1	57.0	56.9	56.7			
130	54.1	54.2	54.3	54.4	54.4	54.4	54.3	54.2	54.1	54.2	54.3	54.4	54.4	54.4	54.3	54.2			
135	51.4	51.7	51.7	51.8	51.8	51.8	51.7	51.7	51.4	51.7	51.7	51.8	51.8	51.8	51.7	51.7			
140	48.9	49.1	49.0	49.2	49.3	49.2	49.0	49.1	48.9	49.1	49.0	49.2	49.3	49.2	49.0	49.1			
145	46.2	46.3	46.4	46.6	46.7	46.6	46.4	46.3	46.2	46.3	46.4	46.6	46.7	46.6	46.4	46.3			
150	43.5	43.1	43.3	43.6	43.8	43.6	43.3	43.1	43.5	43.1	43.3	43.6	43.8	43.6	43.3	43.1			
155	40.5	39.6	39.5	39.9	40.7	39.9	39.5	39.6	40.5	39.6	39.5	39.9	40.7	39.9	39.5	39.6			
160	36.7	36.0	35.2	36.2	36.8	36.2	35.2	36.0	36.7	36.0	35.2	36.2	36.8	36.2	35.2	36.0			
165	31.9	31.6	31.3	32.2	32.6	32.2	31.3	31.6	31.9	31.6	31.3	32.2	32.6	32.2	31.3	31.6			
170	27.7	27.4	27.2	27.9	28.3	27.9	27.2	27.4	27.7	27.4	27.2	27.9	28.3	27.9	27.2	27.4			
175	19.1	18.5	18.2	18.4	18.3	18.4	18.2	18.5	19.1	18.5	18.2	18.4	18.3	18.4	18.2	18.5			
180	1.55	1.91	1.81	1.71	1.91	1.71	1.81	1.91	1.55	1.91	1.81	1.71	1.91	1.71	1.81	1.91			

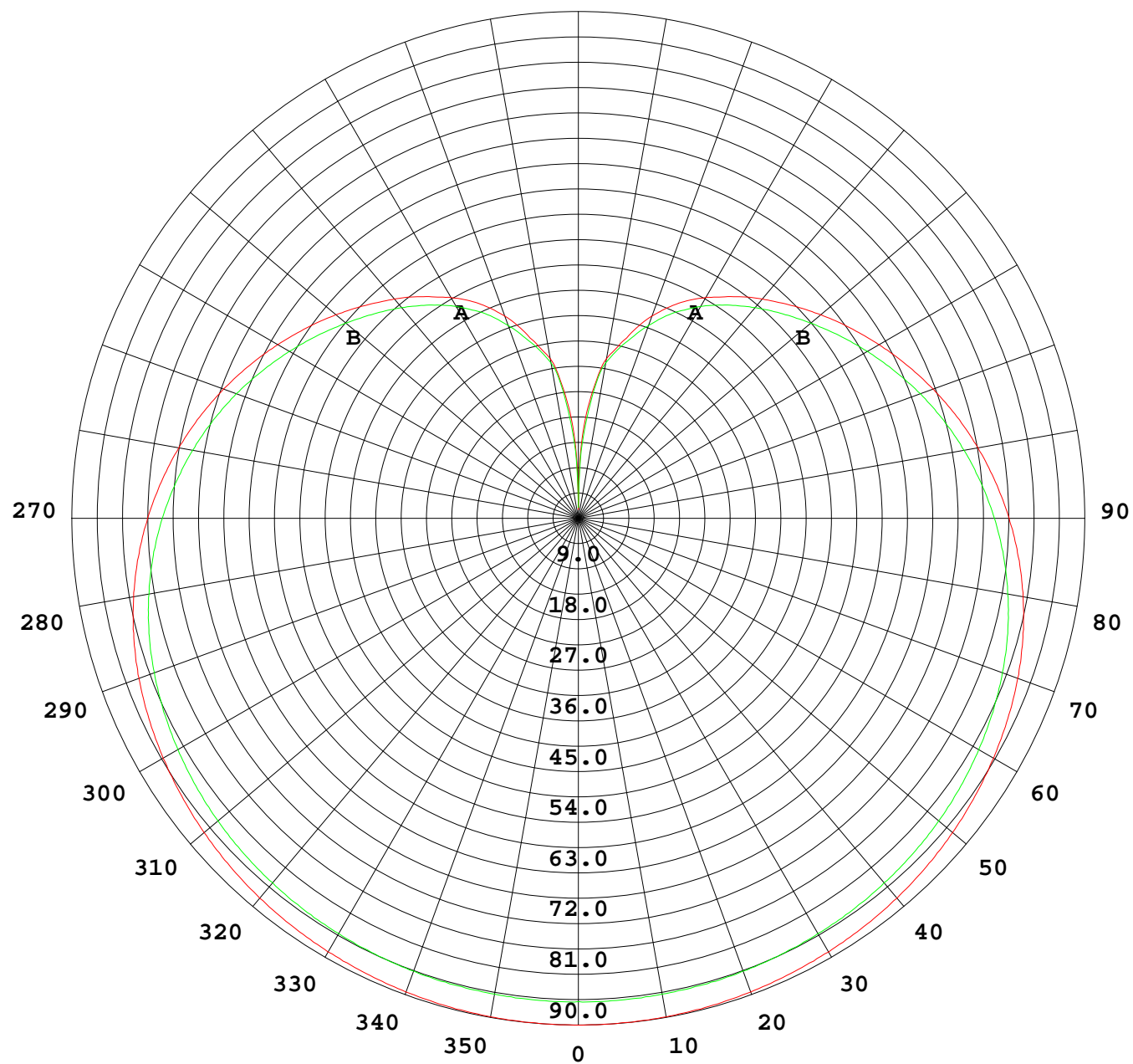
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2021-03-13

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.354  
Humidity:60.5%  
Test Distance:2.521m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

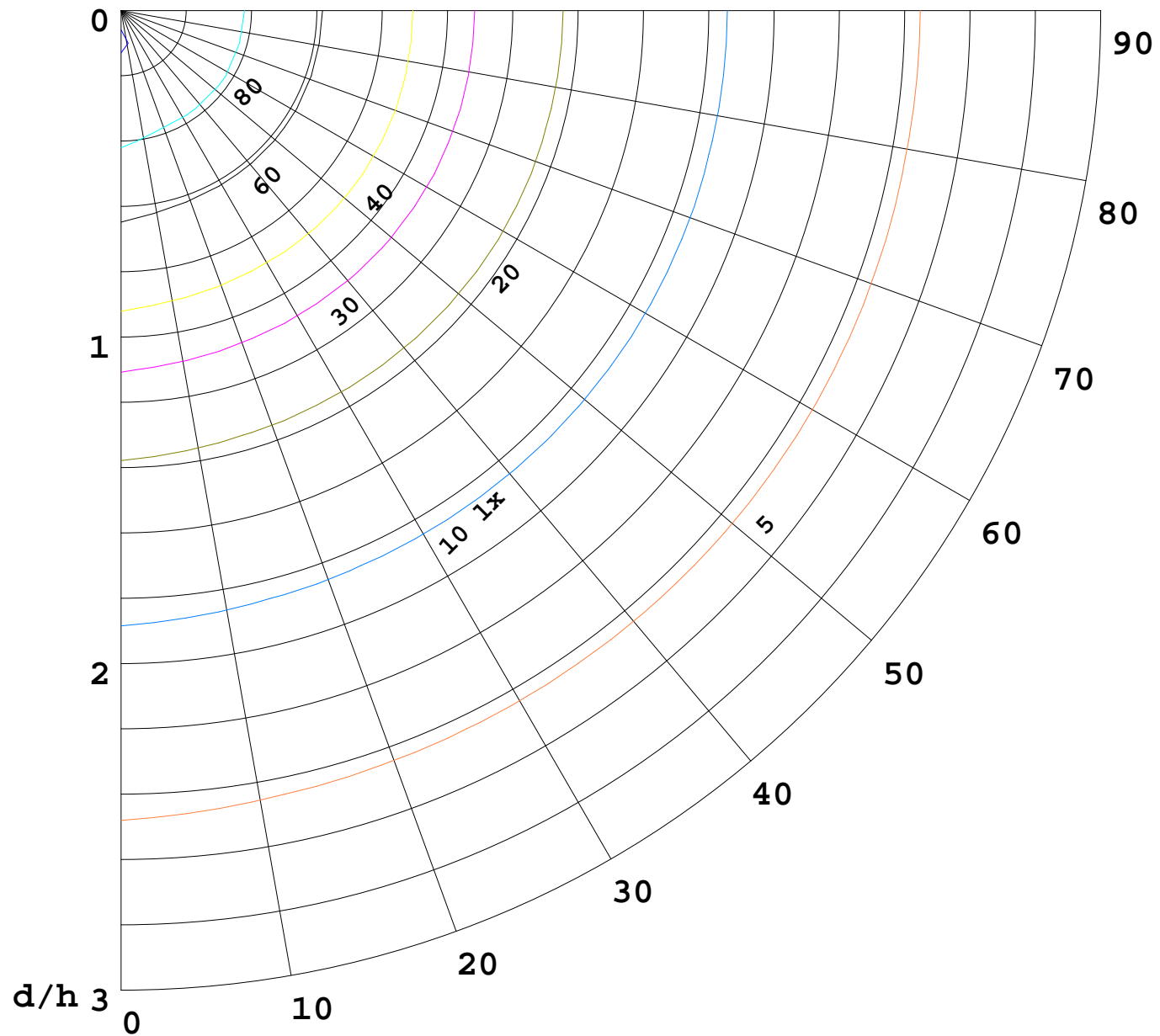
Assessor: Akin Xu

I(cd)



1000 lm

$\kappa = 1$



**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

