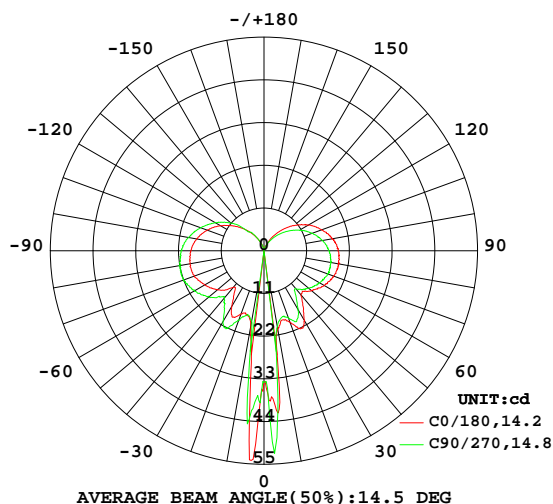


## LUMINAIRE PHOTOMETRIC TEST REPORT

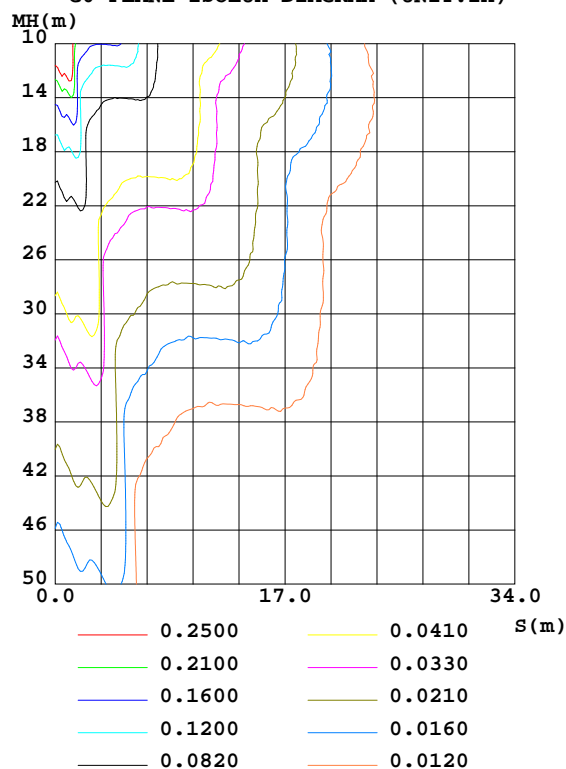
Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 32.00 lm/W			
Silhouette Pendant-Black glass		Imax(cd)	54.09	S/MH(C0/180)	0.42
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	169.92	$\eta$ UP,DN(C0-180)	17.5,28.5
NOMINAL FLUX(lm)	169.916	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	21.1,32.9
LAMPS INSIDE	1	$\eta$ up(%)	38.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	$\eta$ down(%)	61.4	CIBSE SHR MAX	0.65

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:2022-12-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [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
10	20.60	18.48	19.96	15.30	19.84	17.57	18.50	22.27	0- 10	2.893	2.893	1.7,1.7
20	19.65	15.18	18.48	15.70	17.38	15.71	19.08	19.30	10- 20	5.026	7.919	4.66,4.66
30	20.94	12.98	17.46	14.67	16.67	13.88	21.11	19.92	20- 30	8.698	16.62	9.78,9.78
40	14.86	9.125	12.76	11.39	12.38	10.05	15.95	14.56	30- 40	9.236	25.85	15.2,15.2
50	15.94	9.494	14.96	13.20	15.61	11.44	18.57	15.67	40- 50	10.61	36.46	21.5,21.5
60	17.97	10.05	16.41	14.28	17.58	12.24	20.73	17.79	50- 60	13.85	50.31	29.6,29.6
70	19.07	10.80	17.44	15.27	19.10	13.15	21.95	19.05	60- 70	16.66	66.97	39.4,39.4
80	19.34	10.87	17.38	15.26	19.40	13.38	22.23	19.24	70- 80	18.48	85.45	50.3,50.3
90	19.06	10.55	16.71	14.77	18.84	13.17	21.38	18.71	80- 90	18.83	104.3	61.4,61.4
100	17.73	9.684	15.20	13.62	17.63	12.24	19.75	17.48	90-100	17.97	122.3	71.9,71.9
110	15.76	8.436	13.08	12.07	15.54	10.88	17.36	15.41	100-110	15.75	138.0	81.2,81.2
120	13.16	6.885	10.58	10.01	12.96	9.052	14.56	12.94	110-120	12.65	150.7	88.7,88.7
130	10.03	5.237	7.793	7.548	9.871	7.076	11.09	10.15	120-130	9.127	159.8	94,94
140	6.821	3.614	5.134	5.312	6.927	5.124	6.448	7.090	130-140	5.767	165.5	97.4,97.4
150	3.783	2.082	2.815	3.124	4.085	3.012	4.194	3.909	140-150	2.980	168.5	99.2,99.2
160	1.330	1.045	1.270	1.372	1.926	0.6962	1.901	1.226	150-160	1.097	169.6	99.8,99.8
170	0.5112	0.5091	0.3603	0.5550	0.4837	0.1190	0.4692	0.6648	160-170	0.2671	169.9	100,100
180	0.0424	0.0430	0.0390	0.0355	0.0425	0.0433	0.0386	0.0365	170-180	0.0244	169.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 30.727 lm

%lum = 18.1%

%lamp = 18.1%

Conical surface Flux(120deg): 50.313 lm

%lum = 29.6%

%lamp = 29.6%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Wilson  
 Test Date:2022-12-01

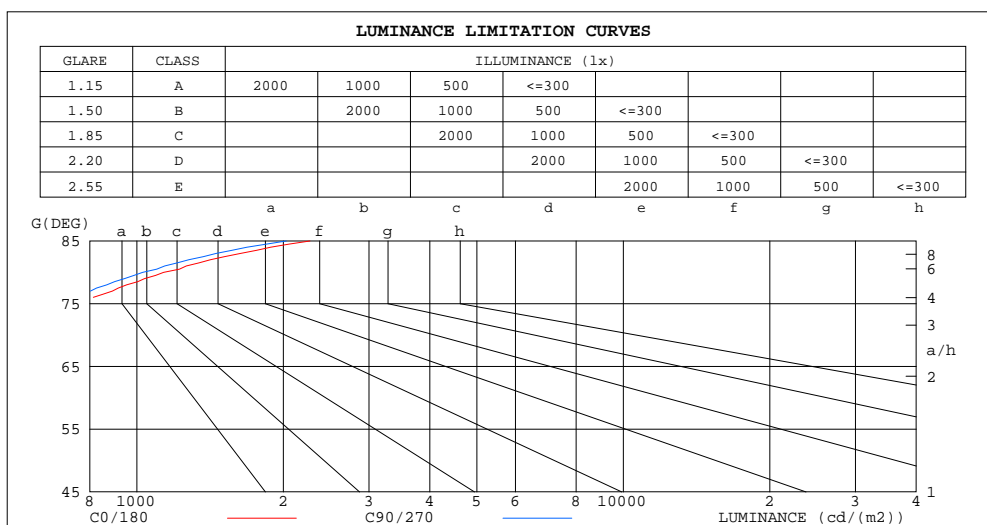
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity:60.5%  
 Test Distance:2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**LUMINANCE LIMITATION CURVES**

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2268	2027
80	1135	1028
75	763	693
70	568	523
65	450	417
60	366	337
55	300	285
50	253	239
45	214	206

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Wilson  
 Test Date: 2022-12-01

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity: 60.5%  
 Test Distance: 2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

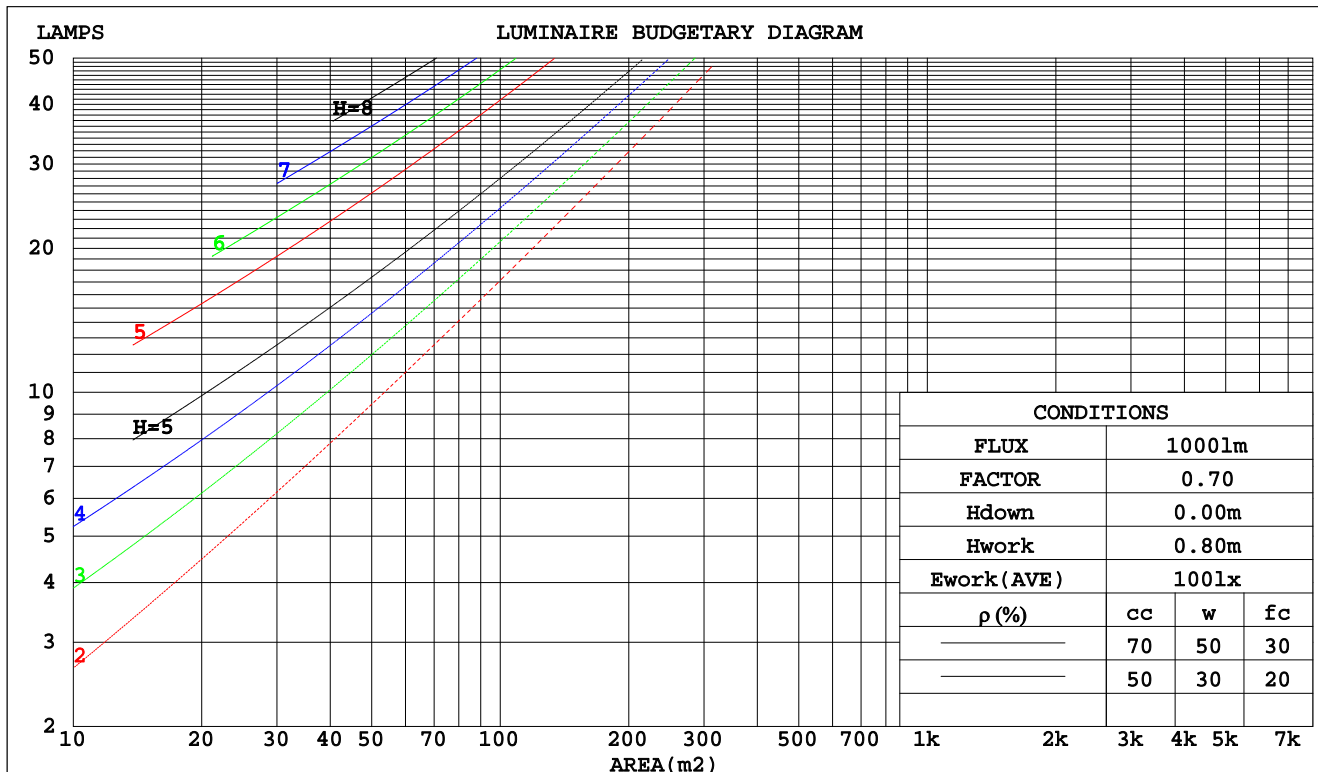
Checker: Near Gao

Assessor: Akin Xu

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	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	1.10	1.10	1.10	1.03	1.03	1.03	.90	.90	.90	.78	.78	.78	.67	.67	.67	.61
1.0	.88	.82	.77	.82	.77	.72	.71	.66	.63	.60	.57	.54	.50	.48	.46	.41
2.0	.74	.66	.59	.69	.62	.55	.59	.53	.48	.50	.45	.41	.42	.38	.35	.30
3.0	.64	.55	.47	.59	.51	.44	.51	.44	.39	.43	.38	.33	.36	.31	.28	.24
4.0	.56	.46	.39	.52	.43	.36	.45	.37	.32	.38	.32	.27	.31	.27	.23	.19
5.0	.49	.40	.33	.46	.37	.31	.39	.32	.27	.33	.28	.23	.28	.23	.19	.16
6.0	.44	.35	.28	.41	.33	.26	.35	.28	.23	.30	.24	.20	.25	.20	.17	.14
7.0	.40	.31	.24	.37	.29	.23	.32	.25	.20	.27	.22	.17	.23	.18	.15	.12
8.0	.36	.27	.21	.34	.26	.20	.29	.23	.18	.25	.19	.15	.21	.17	.13	.11
9.0	.33	.25	.19	.31	.23	.18	.27	.20	.16	.23	.18	.14	.19	.15	.12	.10
10.0	.30	.22	.17	.28	.21	.16	.25	.19	.14	.21	.16	.13	.18	.14	.11	.09



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Wilson  
 Test Date: 2022-12-01

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity: 60.5%  
 Test Distance: 2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**WEC AND CCEC**

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	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	.431	.245	.078	.412	.235	.075	.376	.216	.069	.343	.198	.064	.313	.182	.059	
2.0	.356	.195	.060	.338	.186	.057	.306	.170	.053	.276	.155	.048	.248	.140	.044	
3.0	.308	.164	.049	.292	.157	.047	.263	.142	.043	.235	.129	.040	.210	.116	.036	
4.0	.273	.142	.042	.258	.135	.040	.231	.123	.037	.206	.111	.033	.182	.099	.030	
5.0	.245	.125	.036	.232	.119	.035	.207	.108	.032	.184	.097	.029	.162	.087	.026	
6.0	.223	.112	.032	.211	.106	.031	.188	.096	.028	.166	.086	.025	.146	.077	.023	
7.0	.204	.101	.029	.193	.096	.027	.172	.087	.025	.152	.078	.023	.133	.069	.020	
8.0	.188	.092	.026	.178	.088	.025	.158	.079	.023	.140	.071	.020	.123	.063	.018	
9.0	.175	.085	.024	.165	.081	.023	.147	.073	.021	.130	.065	.019	.114	.058	.017	
10.0	.163	.078	.022	.154	.074	.021	.137	.067	.019	.121	.060	.017	.106	.053	.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	.485	.485	.485	.414	.414	.414	.283	.283	.283	.162	.162	.162	.052	.052	.052	
1.0	.485	.452	.421	.415	.388	.363	.284	.267	.251	.164	.154	.146	.052	.050	.047	
2.0	.479	.430	.389	.411	.370	.336	.281	.256	.235	.162	.149	.137	.052	.048	.045	
3.0	.472	.415	.369	.405	.358	.320	.278	.249	.225	.160	.145	.132	.052	.047	.043	
4.0	.464	.403	.356	.398	.348	.310	.274	.243	.218	.158	.142	.129	.051	.046	.042	
5.0	.456	.394	.348	.392	.341	.302	.270	.238	.214	.156	.140	.127	.050	.046	.042	
6.0	.449	.386	.341	.386	.335	.297	.266	.234	.210	.154	.138	.125	.050	.045	.041	
7.0	.442	.380	.337	.380	.329	.294	.263	.231	.208	.153	.136	.124	.049	.045	.041	
8.0	.435	.375	.333	.374	.325	.291	.259	.228	.206	.151	.135	.123	.049	.044	.041	
9.0	.429	.370	.331	.369	.321	.288	.256	.226	.205	.149	.133	.122	.048	.044	.040	
10.0	.423	.366	.328	.364	.318	.287	.253	.224	.204	.147	.132	.121	.048	.043	.040	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Wilson  
 Test Date:2022-12-01

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity:60.5%  
 Test Distance:2.617m [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:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm											
NAME: LED Light					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Ross Gardam					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	6.2	7.3	6.9	8.1	9.1	5.9	7.1	6.7	7.9	8.8	
	3H	9.9	11.0	10.7	11.8	12.8	9.6	10.7	10.3	11.5	12.5
	4H	11.9	12.9	12.7	13.8	14.8	11.5	12.5	12.3	13.3	14.4
	6H	14.1	15.1	14.9	15.9	16.9	13.6	14.6	14.4	15.4	16.4
	8H	15.3	16.2	16.1	17.1	18.1	14.7	15.7	15.5	16.5	17.6
	12H	16.6	17.5	17.4	18.4	19.4	16.0	16.9	16.8	17.8	18.8
4H	2H	6.6	7.7	7.4	8.5	9.5	6.4	7.5	7.2	8.3	9.3
	3H	10.6	11.5	11.5	12.4	13.5	10.4	11.3	11.2	12.1	13.2
	4H	12.9	13.7	13.8	14.6	15.7	12.6	13.4	13.4	14.3	15.4
	6H	15.4	16.1	16.2	17.0	18.1	14.9	15.7	15.8	16.6	17.7
	8H	16.7	17.4	17.5	18.3	19.4	16.2	16.9	17.1	17.8	18.9
	12H	18.1	18.8	19.0	19.7	20.8	17.6	18.3	18.5	19.2	20.3
8H	4H	13.2	14.0	14.1	14.9	16.0	13.0	13.7	13.8	14.6	15.7
	6H	16.0	16.6	16.9	17.5	18.7	15.6	16.2	16.5	17.2	18.3
	8H	17.6	18.1	18.5	19.0	20.2	17.2	17.7	18.1	18.6	19.8
	12H	19.3	19.8	20.3	20.8	22.0	18.9	19.4	19.8	20.3	21.5
12H	4H	13.4	14.1	14.3	15.0	16.1	13.1	13.8	14.0	14.7	15.9
	6H	16.1	16.7	17.1	17.6	18.8	15.8	16.4	16.7	17.3	18.5
	8H	17.8	18.3	18.7	19.2	20.4	17.4	17.9	18.4	18.9	20.0
Variations with the observer position at spacings(CIE Pub.117):											
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, 169.9 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -6.2$ )  
 Area: 0.0974099 m<sup>2</sup>

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Wilson  
 Test Date:2022-12-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity:60.5%  
 Test Distance:2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

**UTILIZATION FACTORS TABLE**

<b>Test:</b> U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz <b>Lamp Flux:</b> 169.916x1 lm		
<b>NAME:</b> LED Light	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b> Ross Gardam	<b>SUR.:</b>	<b>Shielding Angle:</b>

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) x RCR = 5									
k = 0.60	39	27	19	38	26	19	35	24	18	11
0.80	48	34	25	45	33	25	41	30	23	15
1.00	55	40	31	52	39	30	47	38	28	18
1.25	61	47	37	58	45	36	52	41	33	21
1.50	66	52	43	63	50	41	56	45	38	24
2.00	74	61	51	69	58	49	61	52	44	29
2.50	79	67	57	74	63	55	65	56	49	32
3.00	83	72	63	78	68	60	68	60	53	35
4.00	88	78	70	83	74	67	72	65	59	39
5.00	92	83	76	86	78	72	75	69	64	42
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004 <span style="float:right">Suspended</span> <span style="float:right">SHRNM = 1.25</span>										

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Wilson  
 Test Date:2022-12-01

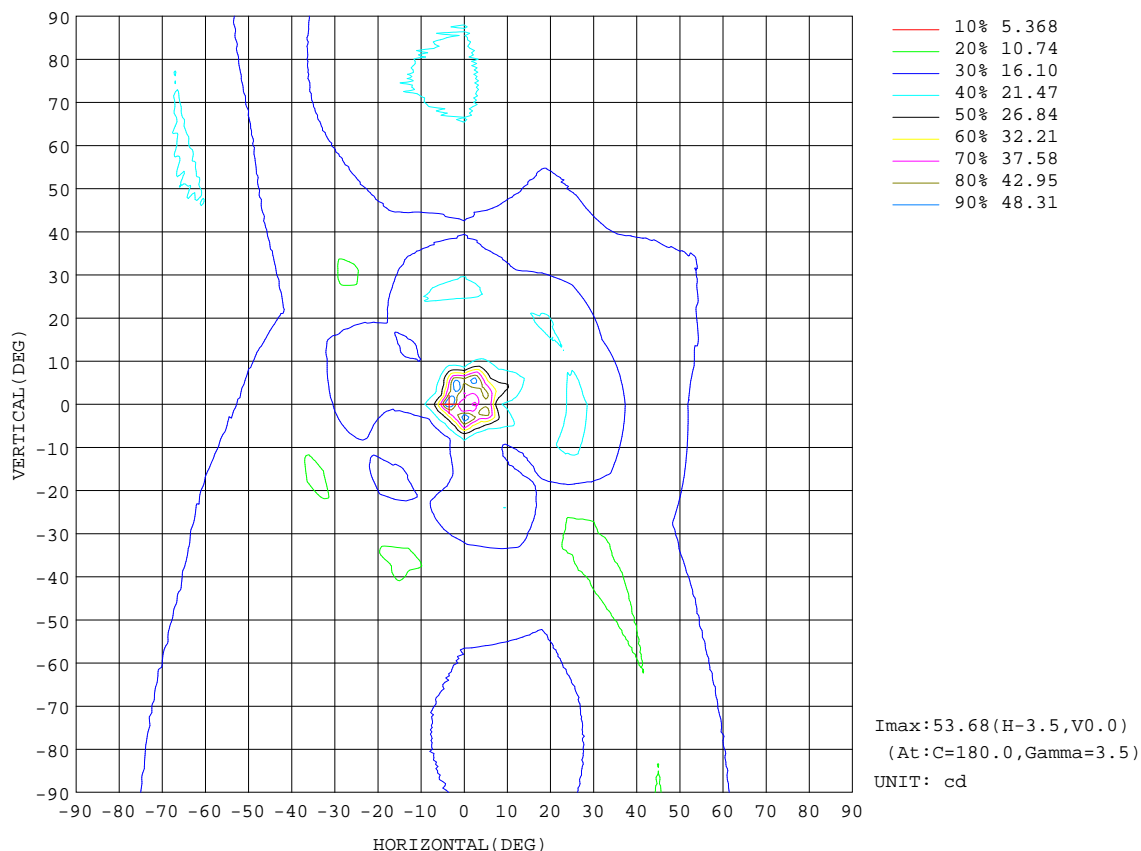
Checker: Near Gao

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity:60.5%  
 Test Distance:2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

**ISOCANDELA DIAGRAM**

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Wilson  
 Test Date: 2022-12-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity: 60.5%  
 Test Distance: 2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

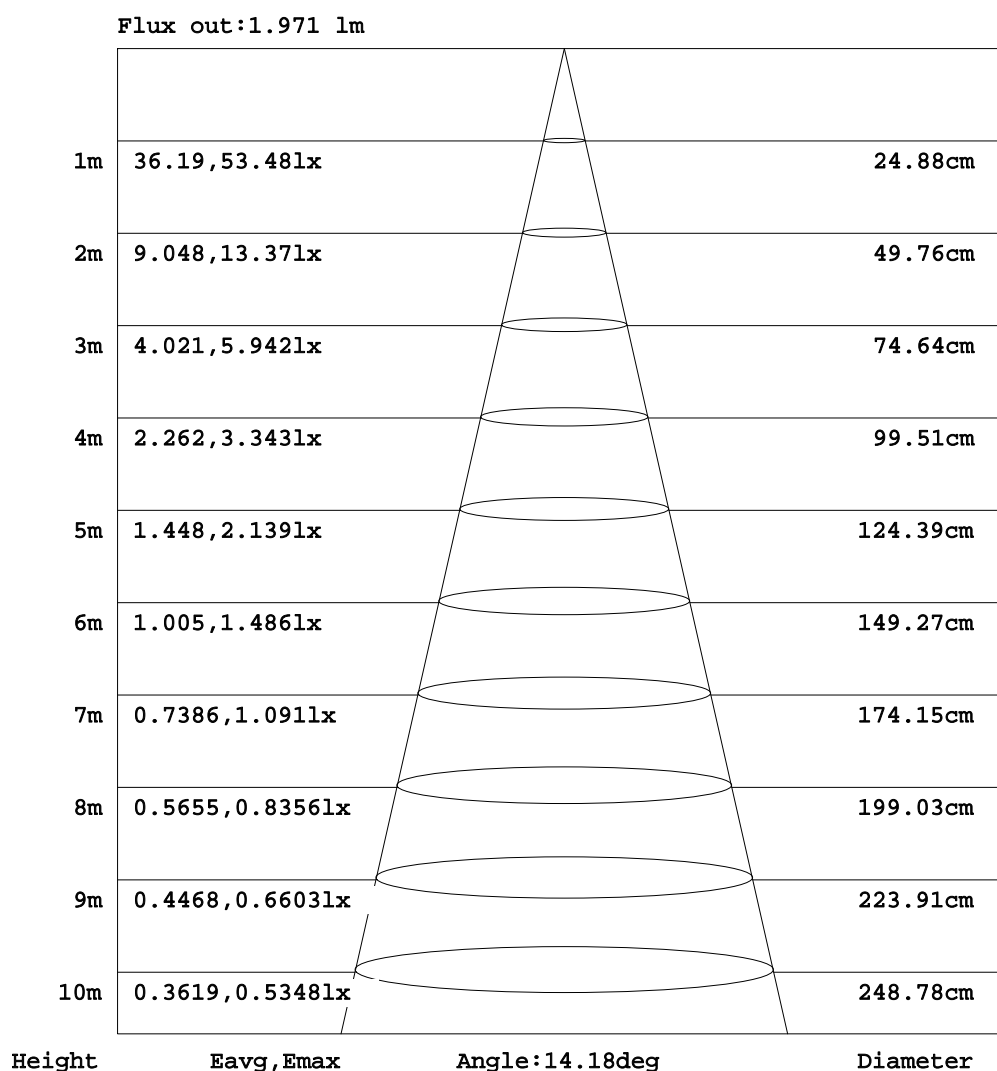
Checker: Near Gao

Assessor: Akin Xu



### AAI Figure

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	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:2022-12-01

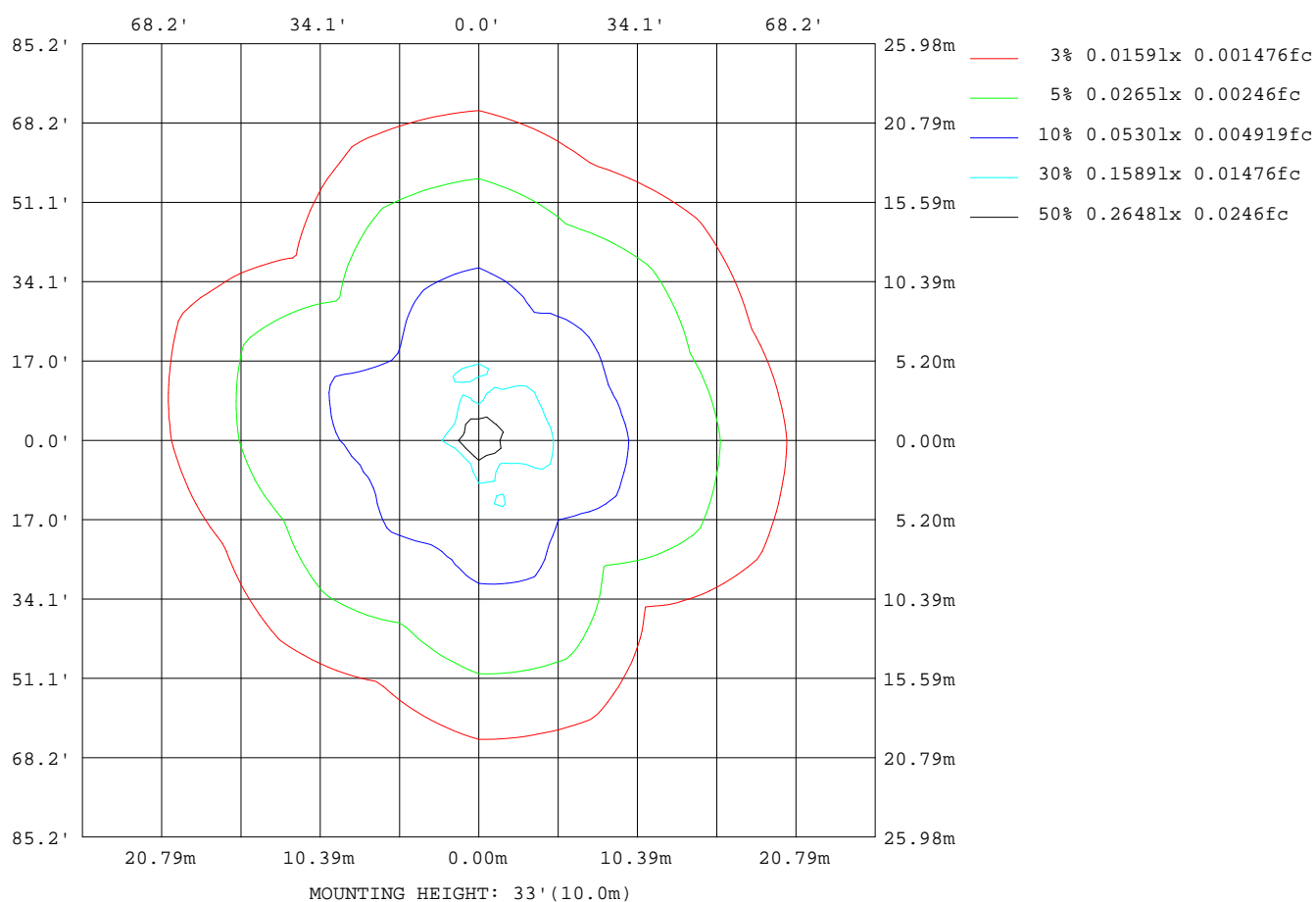
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

## ISOLUX DIAGRAM

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-01

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

### LED Avg.L Report

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	450
L_0~180(75)av	769
L_0~180(85)av	2270
L_90~270(65)av	468
L_90~270(75)av	787
L_90~270(85)av	2288
L_45(65)av	340
L_45(75)av	582
L_45(85)av	1708

Standard: GB/T 29293-2012

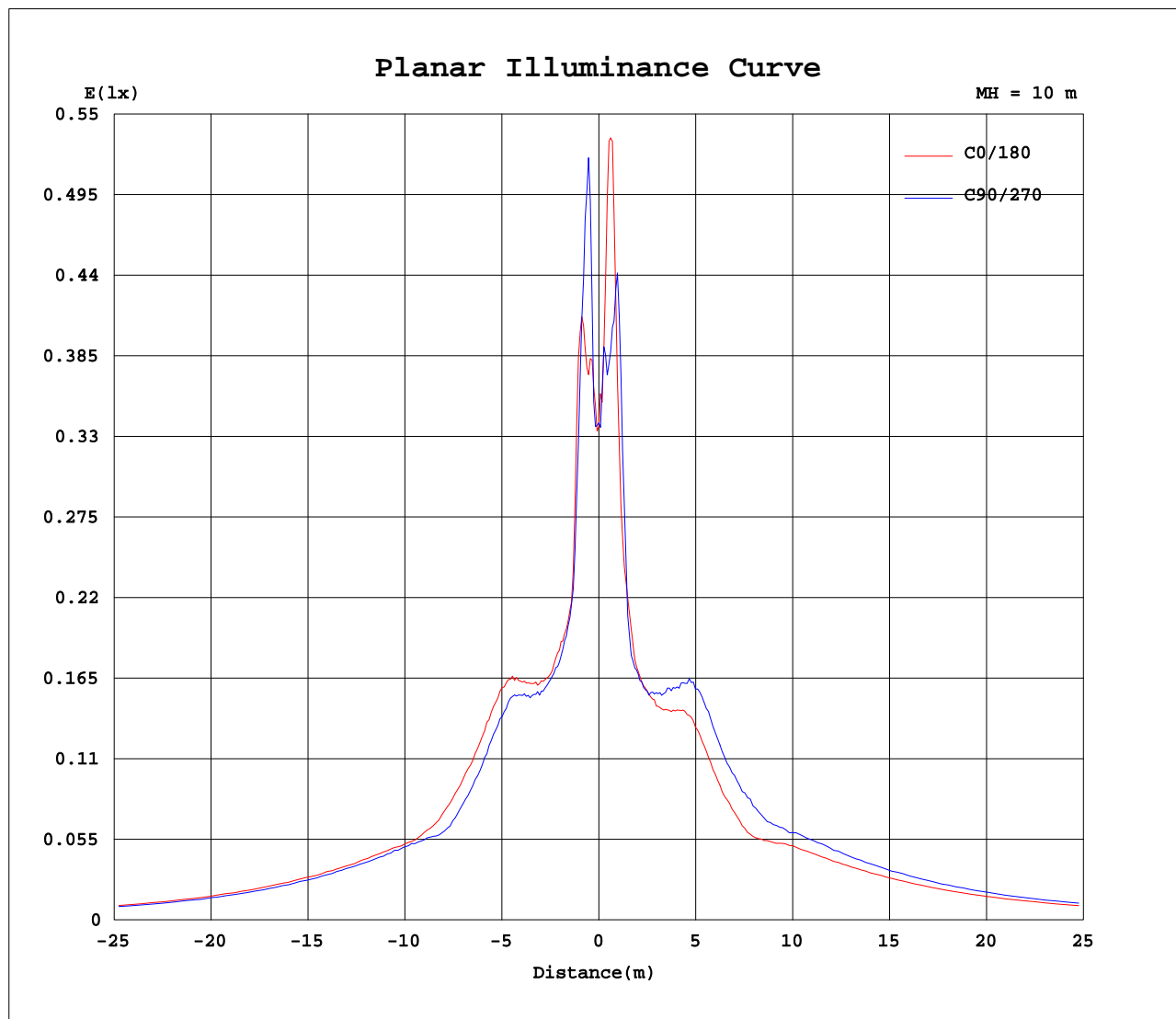
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-01

Checker: Near Gao

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [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: 2022-12-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
 Humidity: 60.5%  
 Test Distance: 2.617m [K=1.0000]  
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.01V I:0.0264A P:5.3101W PF:0.8736 Freq:50.00Hz Lamp Flux:169.916x1 lm																	
NAME: LED Light									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Ross Gardam									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(DEC)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (DEC)																			
0	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9			
5	42.0	46.4	36.5	34.6	41.5	30.4	26.9	31.0	43.2	33.2	39.9	52.6	43.5	47.7	41.7	43.8			
10	20.6	24.3	18.5	18.0	20.0	15.6	15.3	15.2	19.8	16.6	17.6	20.8	18.5	25.1	22.3	28.4			
15	18.5	20.2	15.4	17.5	17.8	14.2	15.1	13.8	17.0	16.9	16.1	18.4	17.2	19.3	18.7	21.6			
20	19.6	20.2	15.2	19.3	18.5	14.7	15.7	14.3	17.4	18.4	15.7	19.1	19.1	19.2	19.3	20.5			
25	22.2	22.0	15.4	21.3	20.0	15.4	17.4	15.5	18.9	21.0	16.3	21.3	22.1	20.4	21.3	21.3			
30	20.9	20.8	13.0	19.8	17.5	13.3	14.7	13.4	16.7	19.5	13.9	20.0	21.1	18.4	19.9	19.0			
35	17.6	17.4	10.7	16.3	14.4	10.9	12.3	11.0	13.4	16.0	11.6	16.8	17.9	15.3	16.8	16.0			
40	14.9	14.7	9.13	13.9	12.8	10.5	11.4	10.7	12.4	13.9	10.1	14.7	15.9	13.2	14.6	13.8			
45	14.8	14.5	9.39	14.4	14.2	11.1	12.6	11.8	14.4	15.5	10.9	15.5	16.9	14.3	14.6	13.7			
50	15.9	15.6	9.49	15.5	15.0	11.5	13.2	12.4	15.6	17.4	11.4	17.1	18.6	15.2	15.7	14.5			
55	16.9	16.3	9.74	16.2	15.9	11.8	13.7	13.1	16.7	18.5	11.8	18.3	19.8	15.9	16.8	15.2			
60	18.0	17.3	10.1	16.9	16.4	12.5	14.3	13.9	17.6	19.9	12.2	19.3	20.7	16.6	17.8	15.9			
65	18.7	17.8	10.4	17.4	17.2	12.8	14.7	14.4	18.4	20.6	12.7	19.9	21.4	17.1	18.2	16.7			
70	19.1	18.3	10.8	17.9	17.4	13.3	15.3	14.9	19.1	21.5	13.2	20.7	22.0	17.4	19.0	17.0			
75	19.4	18.7	10.9	17.9	17.5	13.4	15.4	15.1	19.4	22.0	13.3	21.2	22.2	17.4	19.1	17.4			
80	19.3	18.6	10.9	17.9	17.4	13.5	15.3	15.2	19.4	21.8	13.4	21.0	22.2	17.2	19.2	17.3			
85	19.4	18.5	10.8	17.6	17.2	13.3	15.2	15.0	19.1	21.6	13.2	20.8	21.6	17.0	18.9	17.3			
90	19.1	18.2	10.6	17.2	16.7	13.0	14.8	14.8	18.8	21.3	13.2	20.5	21.4	16.5	18.7	17.0			
95	18.8	17.8	10.3	16.5	16.3	12.6	14.4	14.4	18.3	20.6	12.7	20.2	20.6	16.0	18.2	16.6			
100	17.7	17.0	9.68	15.8	15.2	12.1	13.6	13.9	17.6	19.9	12.2	19.4	19.7	15.1	17.5	15.9			
105	17.1	16.1	9.16	14.8	14.3	11.2	13.0	13.0	16.7	18.9	11.5	18.3	18.6	14.3	16.5	15.1			
110	15.8	14.9	8.44	13.8	13.1	10.5	12.1	12.1	15.5	17.6	10.9	17.4	17.4	13.3	15.4	14.0			
115	14.7	13.7	7.70	12.5	11.9	9.54	11.2	11.2	14.3	16.3	9.93	15.8	16.0	12.1	14.2	13.0			
120	13.2	12.3	6.89	11.2	10.6	8.55	10.0	10.1	13.0	14.6	9.05	14.4	14.6	10.9	12.9	11.7			
125	11.9	10.8	6.05	9.80	9.27	7.48	8.82	8.96	11.4	13.1	8.10	12.7	12.8	9.63	11.5	10.3			
130	10.03	9.26	5.24	8.42	7.79	6.48	7.55	7.74	9.87	11.4	7.08	11.1	11.1	8.31	10.1	8.95			
135	8.50	7.76	4.46	6.98	6.46	5.45	6.45	6.56	8.33	9.70	6.13	9.46	9.28	7.04	8.60	7.56			
140	6.82	6.23	3.61	5.62	5.13	4.50	5.31	5.44	6.93	7.99	5.12	7.69	6.45	5.72	7.09	6.10			
145	5.23	4.77	2.86	4.28	3.90	3.53	4.23	4.30	5.44	6.26	4.13	5.98	5.87	4.43	5.52	4.50			
150	3.78	3.39	2.08	3.10	2.82	2.60	3.12	3.21	4.09	4.69	3.01	4.38	4.19	3.17	3.91	2.50			
155	2.07	2.27	1.44	2.11	1.93	1.85	2.22	2.28	2.87	3.30	1.54	3.03	2.87	2.14	2.33	2.23			
160	1.33	1.54	1.04	1.44	1.27	1.24	1.37	1.51	1.93	1.31	0.70	1.63	1.90	1.43	1.23	1.63			
165	1.00	1.07	0.78	0.97	0.82	0.62	0.64	0.86	1.24	0.76	0.69	0.96	1.05	0.72	0.85	1.14			
170	0.51	0.67	0.51	0.51	0.36	0.51	0.55	0.39	0.48	0.15	0.12	0.48	0.47	0.31	0.66	0.75			
175	0.24	0.15	0.13	0.15	0.15	0.18	0.18	0.17	0.11	0.07	0.06	0.11	0.08	0.09	0.13	0.17			
180	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			

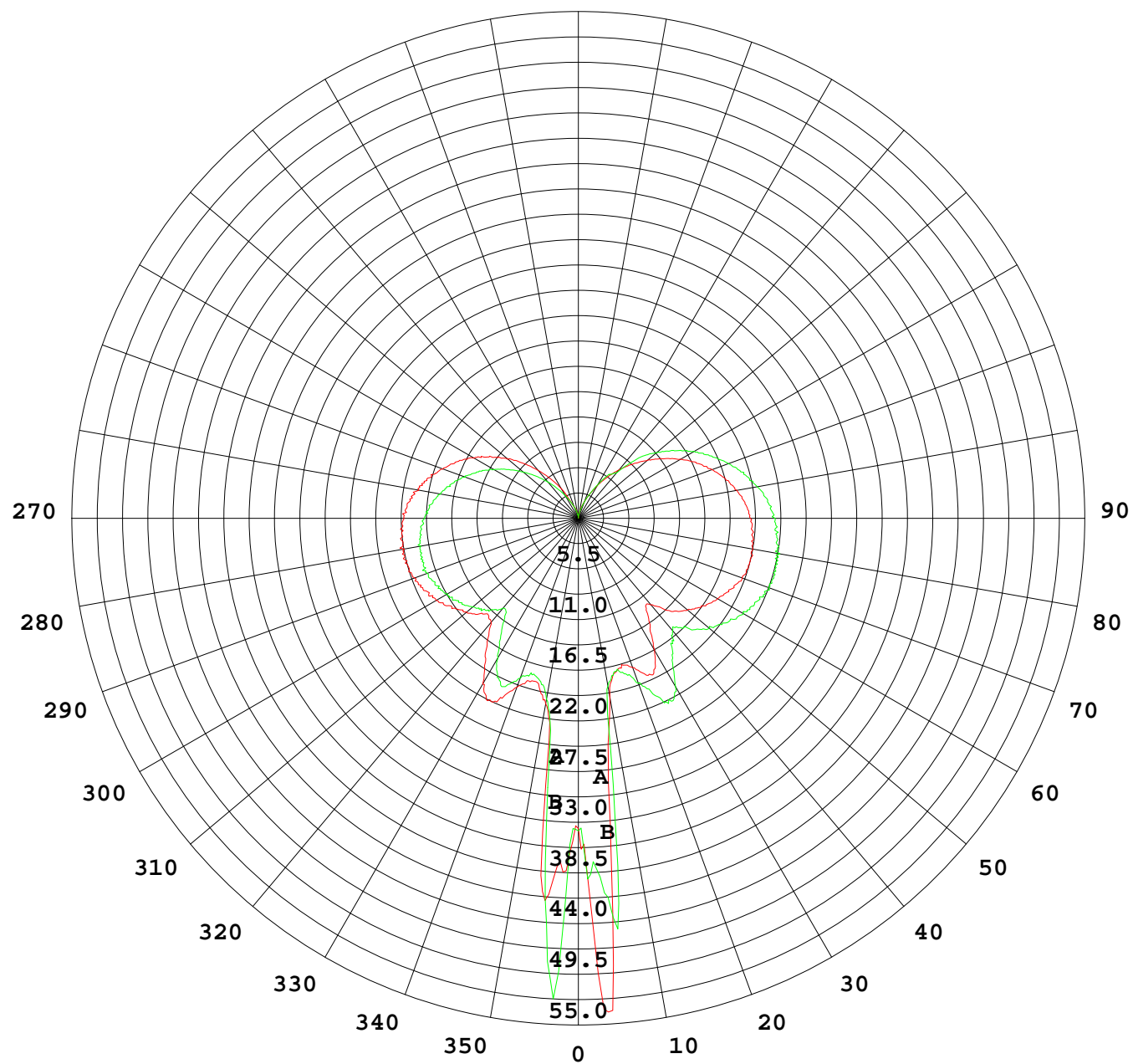
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-01

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

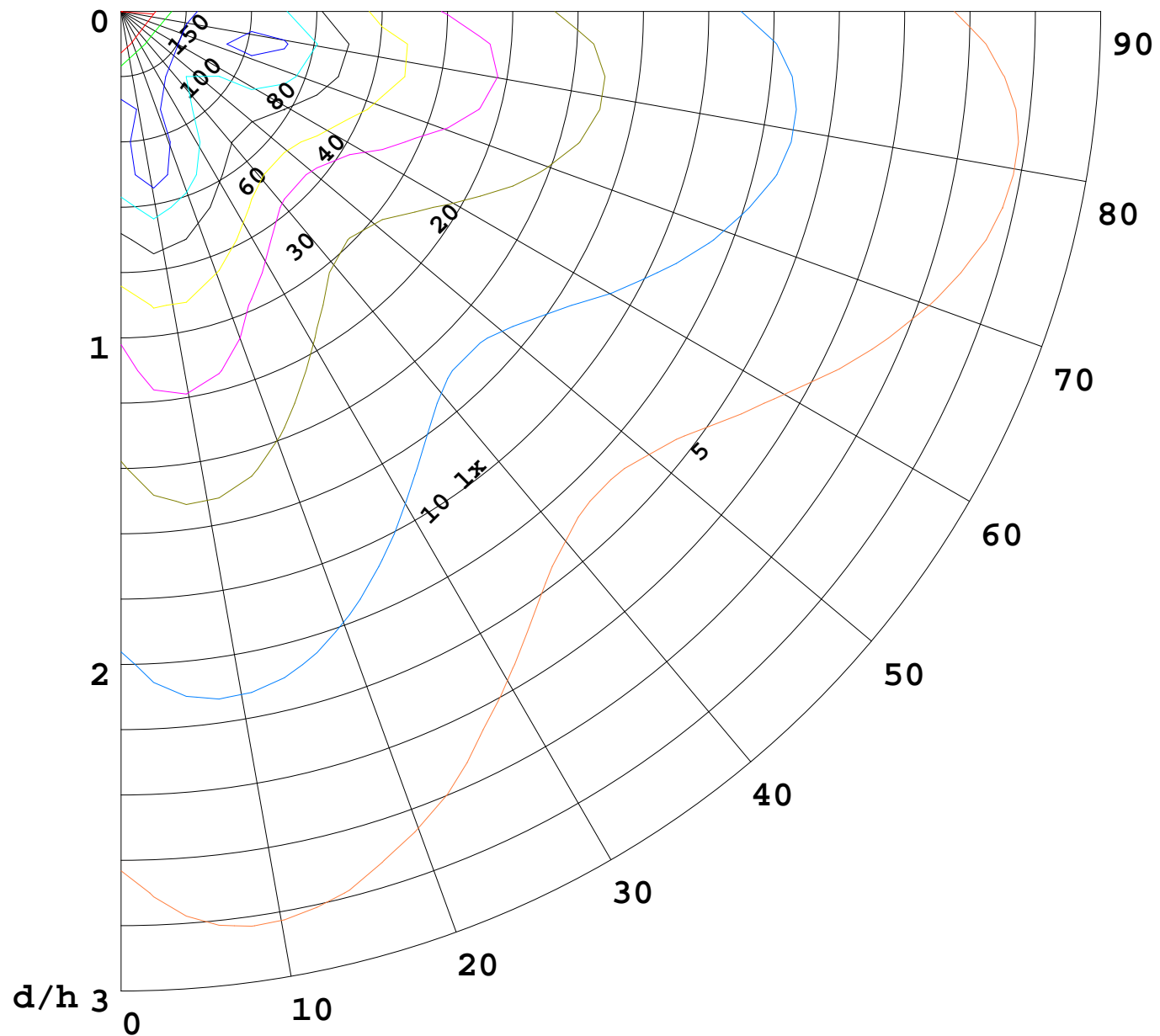
Assessor: Akin Xu

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

