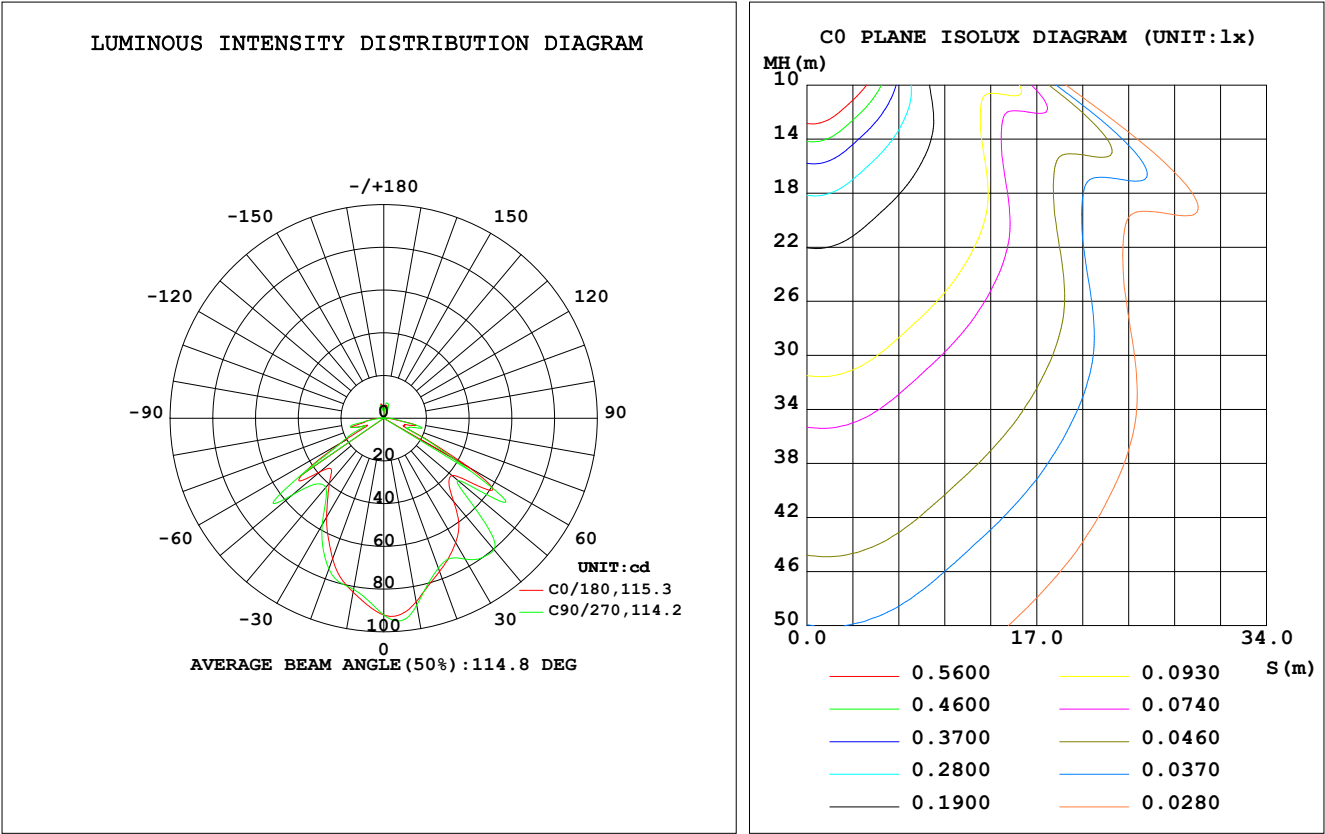


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz		
Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 42.58 lm/W
MODEL	Pendant-Black glass	Imax(cd)	96.29	S/MH(C0/180)	0.93	
NOMINAL POWER(W)	3.9	LOR(%)	100.0	S/MH(C90/270)	1.01	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	227.81	η UP,DN(C0-180)	1.7,51.6	
NOMINAL FLUX(lm)	227.808	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.5,45.1	
LAMPS INSIDE	1	η up(%)	3.3	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230	η down(%)	96.7	CIBSE SHR MAX	1.15	



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



# ROSS GARDAM

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	87.25	93.19	88.82	85.52	82.69	79.35	81.39	82.90	0- 10	8.447	8.447	3.71,3.71
20	76.33	76.63	74.70	72.53	70.04	66.26	75.10	75.95	10- 20	22.33	30.77	13.5,13.5
30	67.27	65.24	76.14	59.48	53.60	61.35	57.60	61.55	20- 30	31.36	62.14	27.3,27.3
40	51.03	52.38	80.23	52.01	39.64	55.06	42.38	55.62	30- 40	36.70	98.84	43.4,43.4
50	41.74	48.02	45.44	72.03	39.04	35.14	55.80	40.84	40- 50	37.98	136.8	60.1,60.1
60	46.35	44.78	37.67	19.17	23.31	27.38	23.48	43.03	50- 60	45.65	182.5	80.1,80.1
70	10.44	15.51	12.49	15.64	11.47	13.99	12.12	14.62	60- 70	17.10	199.6	87.6,87.6
80	10.16	11.06	9.327	9.665	8.896	8.147	8.928	8.174	70- 80	15.72	215.3	94.5,94.5
90	2.130	3.017	2.031	1.255	0.8224	1.189	1.799	1.961	80- 90	5.091	220.4	96.7,96.7
100	0.3956	0.5605	0.6461	0.3225	0.2877	0.3219	0.4191	0.3497	90-100	0.8471	221.2	97.1,97.1
110	0.3559	0.4046	0.3930	0.3591	0.2856	0.3025	0.3411	0.2950	100-110	0.3738	221.6	97.3,97.3
120	0.2910	0.2867	0.2428	0.2216	0.1873	0.2182	0.2464	0.2776	110-120	0.3088	221.9	97.4,97.4
130	0.2569	0.2646	0.2463	0.2503	0.2331	0.2543	0.3035	0.2519	120-130	0.2128	222.1	97.5,97.5
140	1.098	1.015	0.9514	2.197	1.683	1.399	1.887	0.9300	130-140	0.4537	222.6	97.7,97.7
150	2.305	2.845	3.481	3.061	2.725	2.185	2.687	2.261	140-150	1.296	223.9	98.3,98.3
160	4.812	5.096	6.555	6.707	5.264	5.208	4.523	4.167	150-160	1.771	225.6	99,99
170	5.859	6.849	7.216	6.979	6.893	6.326	5.059	4.583	160-170	1.722	227.4	99.8,99.8
180	0.1392	0.1302	0.1348	0.1401	0.1399	0.1302	0.1348	0.1408	170-180	0.4496	227.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 117.89 lm

%lum = 51.8%  
%lamp = 51.8%

Conical surface Flux(120deg): 182.47 lm

%lum = 80.1%  
%lamp = 80.1%

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

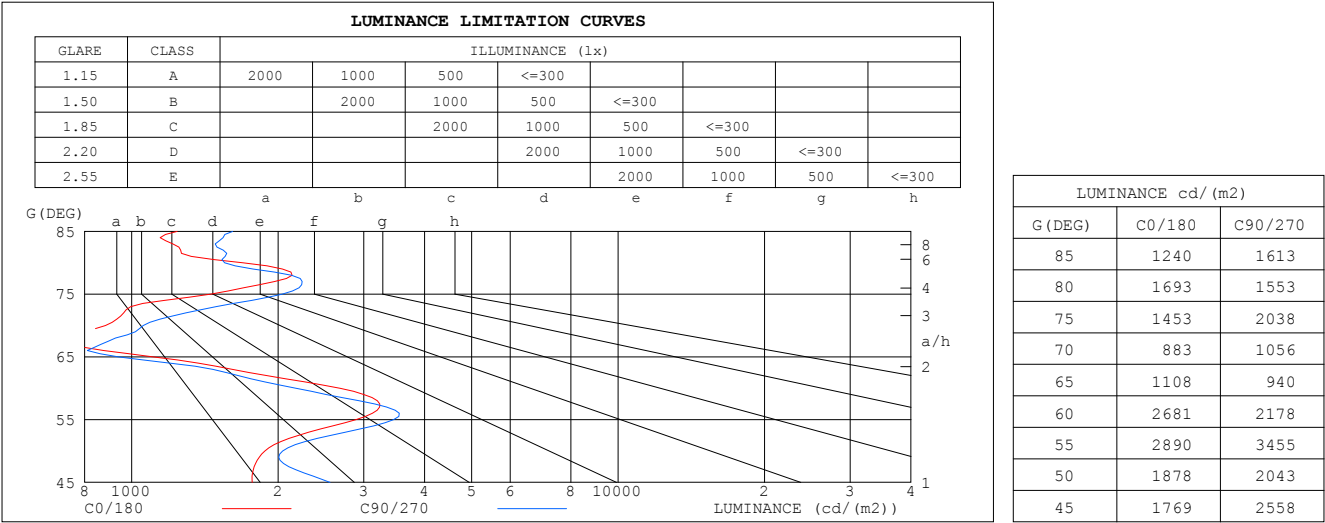
Assessor: Akin Xu



# ROSS GARDAM

## LUMINANCE LIMITATION CURVES

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 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

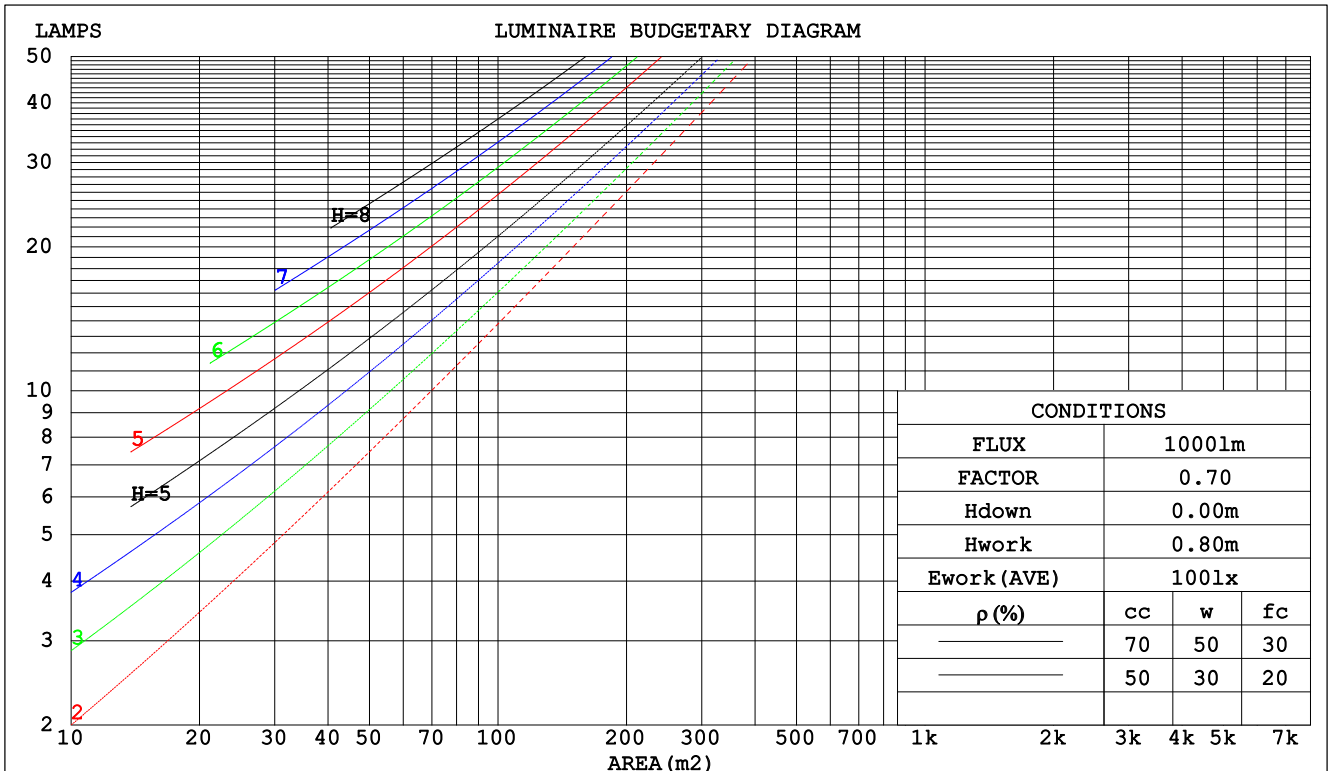


# ROSS GARDAM

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz		
Lamp Flux:227.808x1 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															



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



# ROSS GARDAM

## WEC AND CCEC

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.306	.174	.055	.298	.170	.054	.283	.162	.052	.269	.155	.050	.256	.148	.048	
2.0	.286	.157	.048	.279	.154	.047	.266	.148	.046	.253	.142	.044	.242	.137	.043	
3.0	.265	.141	.042	.258	.138	.042	.247	.134	.041	.236	.129	.040	.225	.125	.039	
4.0	.245	.127	.037	.239	.125	.037	.228	.121	.036	.219	.117	.035	.209	.114	.035	
5.0	.227	.115	.033	.221	.114	.033	.212	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.210	.105	.030	.206	.104	.030	.197	.101	.029	.189	.098	.029	.182	.096	.028	
7.0	.196	.097	.027	.192	.096	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	
8.0	.183	.090	.025	.180	.088	.025	.173	.086	.025	.166	.084	.024	.160	.082	.024	
9.0	.172	.083	.023	.169	.082	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.162	.078	.022	.159	.077	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.215	.215	.215	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.205	.181	.160	.175	.156	.137	.120	.107	.095	.069	.062	.055	.022	.020	.018	
2.0	.197	.157	.124	.169	.135	.107	.115	.094	.075	.067	.054	.044	.021	.018	.014	
3.0	.189	.140	.100	.162	.120	.087	.111	.084	.061	.064	.049	.036	.021	.016	.012	
4.0	.181	.126	.084	.155	.109	.073	.107	.076	.052	.062	.045	.031	.020	.015	.010	
5.0	.174	.116	.073	.149	.100	.064	.103	.070	.045	.060	.041	.027	.019	.013	.009	
6.0	.167	.108	.065	.143	.093	.057	.099	.065	.040	.057	.038	.024	.019	.013	.008	
7.0	.160	.101	.059	.138	.087	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
8.0	.154	.095	.055	.132	.082	.048	.092	.058	.034	.053	.034	.020	.017	.011	.007	
9.0	.148	.090	.051	.127	.078	.045	.088	.055	.032	.051	.032	.019	.017	.011	.006	
10.0	.142	.086	.048	.122	.075	.042	.085	.052	.030	.050	.031	.018	.016	.010	.006	

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



# ROSS GARDAM

**UGR(Unified Glare Rating) Table**

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 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	2H	16.4	17.8	16.7	18.1	18.4	17.0	18.5	17.3	18.7	19.0
	3H	16.5	17.8	16.8	18.1	18.4	17.2	18.6	17.6	18.9	19.2
	4H	16.8	18.0	17.1	18.4	18.7	17.9	19.2	18.3	19.5	19.9
	6H	17.6	18.8	18.0	19.1	19.5	18.6	19.8	19.0	20.1	20.5
	8H	17.7	18.8	18.1	19.2	19.5	18.7	19.9	19.1	20.2	20.6
	12H	17.7	18.8	18.1	19.2	19.6	18.8	19.9	19.2	20.3	20.7
4H	2H	16.7	18.0	17.1	18.3	18.7	17.2	18.5	17.6	18.8	19.1
	3H	16.9	18.1	17.3	18.4	18.8	17.7	18.8	18.1	19.2	19.6
	4H	17.5	18.5	17.9	18.9	19.3	18.9	19.9	19.3	20.2	20.6
	6H	18.5	19.4	19.0	19.8	20.3	19.7	20.6	20.2	21.0	21.5
	8H	18.7	19.5	19.1	19.9	20.4	19.9	20.7	20.4	21.2	21.6
	12H	18.8	19.5	19.2	20.0	20.4	20.0	20.8	20.5	21.2	21.7
8H	4H	18.3	19.1	18.7	19.5	20.0	19.4	20.2	19.8	20.6	21.1
	6H	19.4	20.1	19.9	20.5	21.0	20.4	21.0	20.8	21.5	22.0
	8H	19.5	20.2	20.1	20.6	21.2	20.6	21.2	21.1	21.7	22.2
	12H	19.7	20.2	20.2	20.7	21.3	20.8	21.4	21.4	21.9	22.4
12H	4H	18.3	19.1	18.8	19.5	20.0	19.4	20.2	19.9	20.6	21.1
	6H	19.5	20.1	20.0	20.6	21.1	20.4	21.0	20.9	21.5	22.0
	8H	19.7	20.2	20.2	20.7	21.2	20.7	21.2	21.2	21.7	22.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.3 / - 0.2					+ 0.6 / - 0.3					
1.5H	+ 1.4 / - 0.9					+ 1.4 / - 0.8					
2.0H	+ 1.4 / - 1.3					+ 1.2 / - 1.2					

CIE Pub.117, 227.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.1)  
Area: 0.0346185 m2

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



# ROSS GARDAM

## UTILIZATION FACTORS TABLE

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	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	56	44	37	55	44	37	53	43	37	30
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	64	57	74	64	57	71	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	82	75	69	61
2.00	95	86	80	92	85	79	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	95	89	99	93	88	94	89	85	76
4.00	105	99	95	103	97	93	98	93	90	80
5.00	107	102	98	105	100	96	100	96	93	82
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: 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

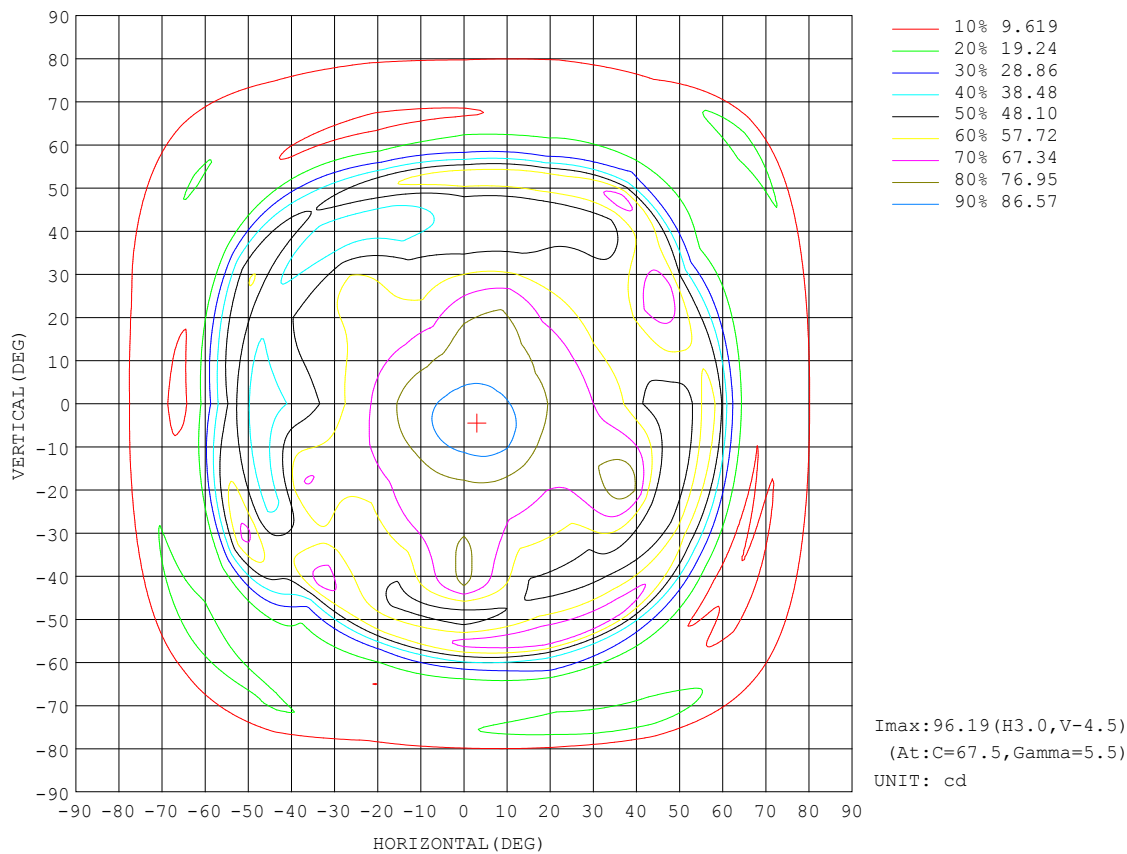
Assessor: Akin Xu



# ROSS GARDAM

## ISOCANDELA DIAGRAM

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz		
Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



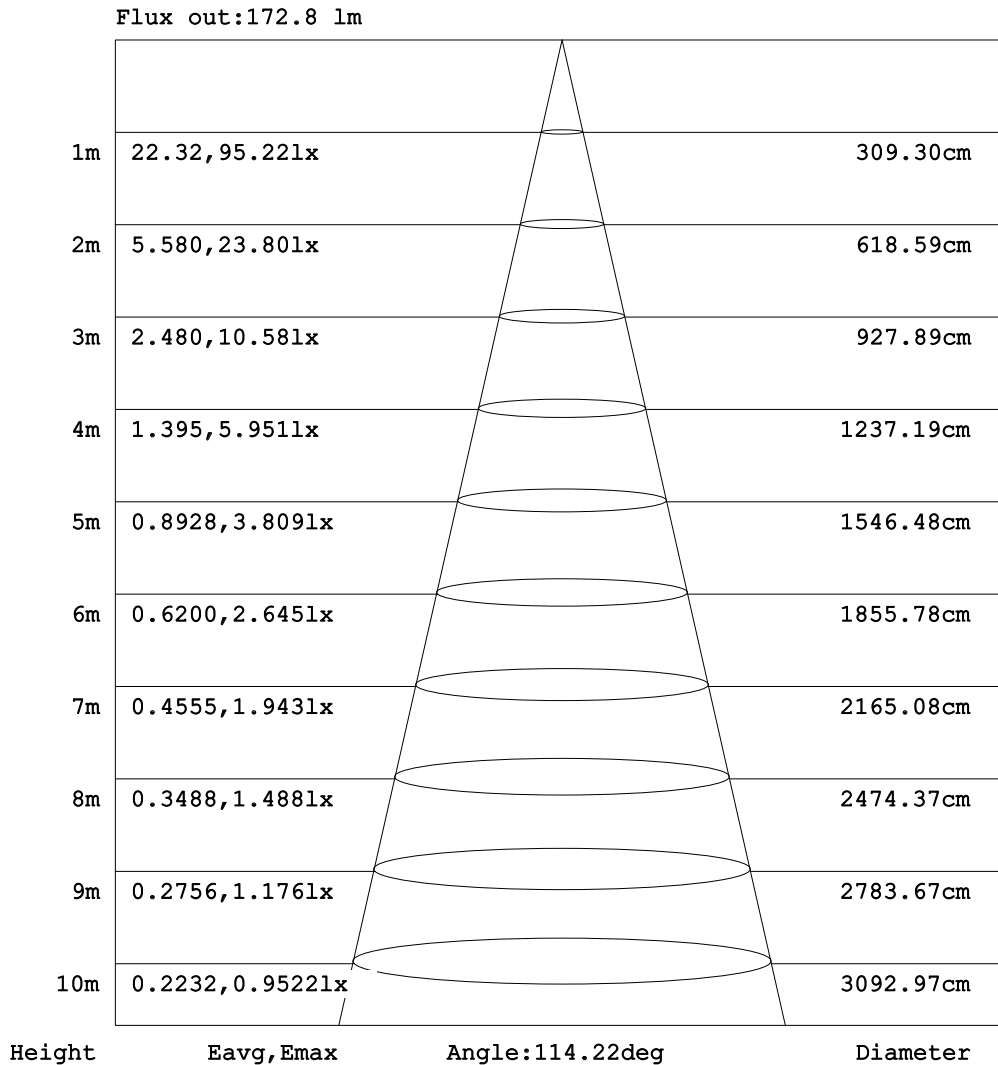
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Wilson  
Test Date: 2022-12-01  
  
Checker: Near Gao

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

# ROSS GARDAM

**AAI Figure**

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 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

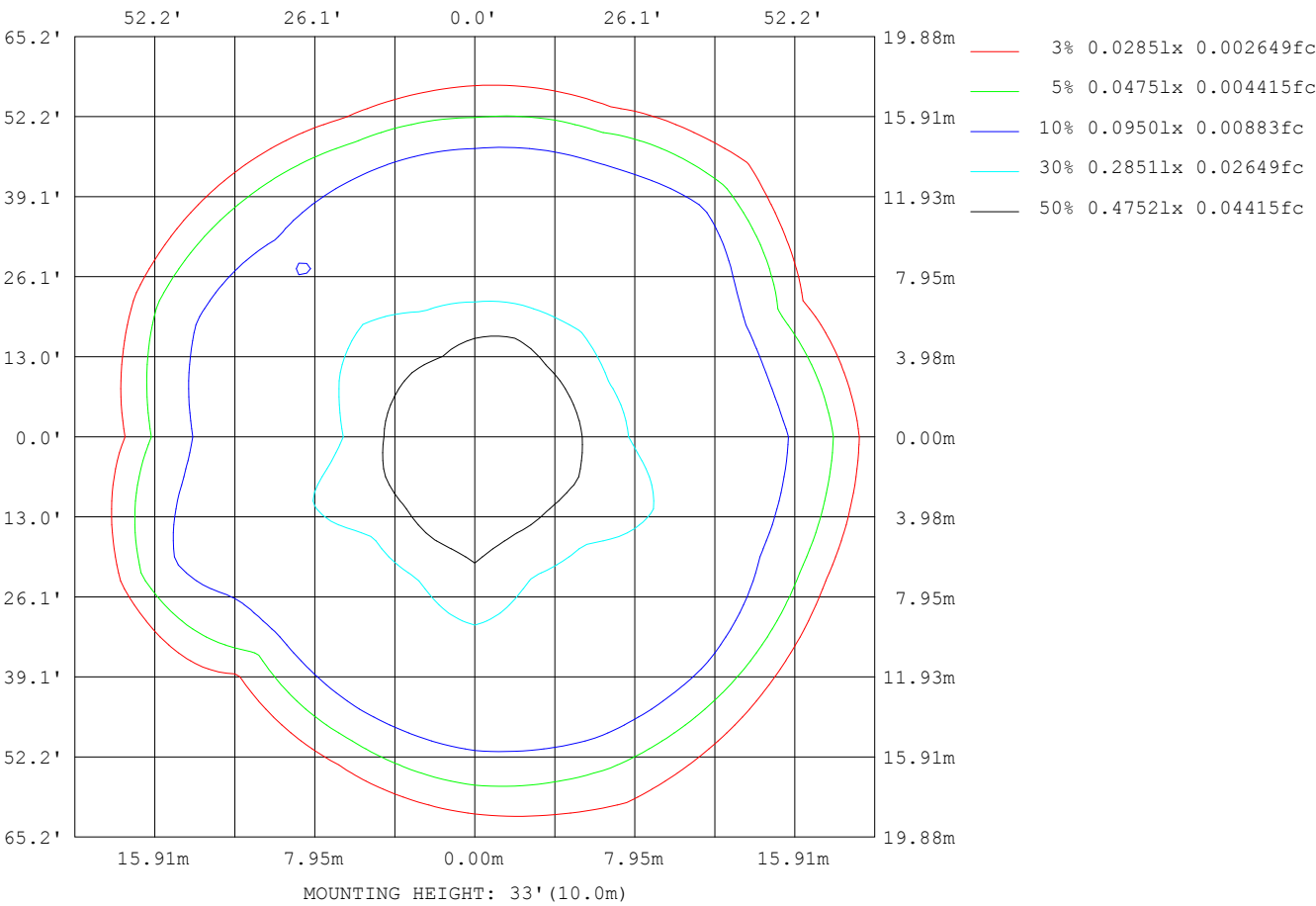
Assessor: Akin Xu



# ROSS GARDAM

## ISOLUX DIAGRAM

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 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

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



# ROSS GARDAM

## LED Avg.L Report


Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	854
L_0~180 (75) av	1595
L_0~180 (85) av	1396
L_90~270 (65) av	923
L_90~270 (75) av	1919
L_90~270 (85) av	1327
L_45 (65) av	1004
L_45 (75) av	2011
L_45 (85) av	1412

Standard: GB/T 29293-2012

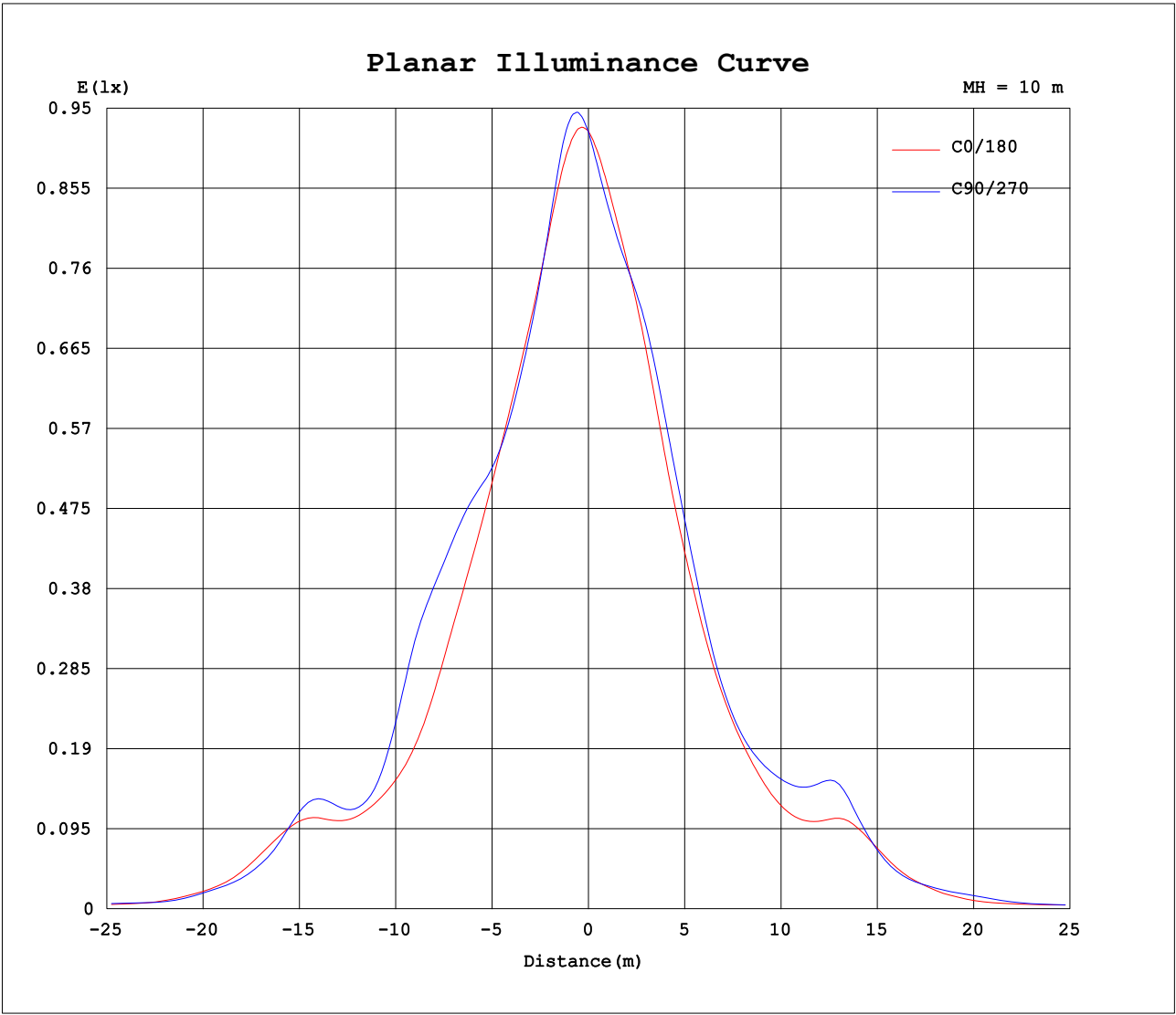
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-01  
  
Checker: Near Gao

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



# ROSS GARDAM

## Planar Illuminance Curve



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



# ROSS GARDAM

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.09V I:0.0256A P:5.3503W PF:0.9100 Freq:50.00Hz		
Lamp Flux:227.808x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	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	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1			
5	92.2	94.6	96.1	96.3	95.1	93.5	91.5	89.6	87.8	86.2	85.2	85.0	85.5	86.5	87.9	89.8			
10	87.3	91.3	93.2	92.1	88.8	87.2	85.5	84.2	82.7	80.8	79.3	79.7	81.4	82.5	82.9	84.2			
15	81.0	83.6	85.5	83.7	80.2	79.3	78.2	78.1	77.5	75.5	73.0	74.0	79.6	82.1	79.6	79.1			
20	76.3	76.0	76.6	76.2	74.7	74.5	72.5	71.9	70.0	68.3	66.3	66.1	75.1	81.0	75.9	75.4			
25	72.0	71.5	69.8	70.4	72.6	72.9	67.1	66.0	61.6	61.5	61.8	58.7	67.3	74.6	68.9	70.1			
30	67.3	71.9	65.2	66.1	76.1	68.7	59.5	63.2	53.6	57.4	61.4	53.4	57.6	63.6	61.6	63.0			
35	61.4	78.7	59.9	58.9	79.8	59.9	52.7	64.6	45.8	54.6	61.6	48.7	47.5	51.4	55.5	54.1			
40	51.0	85.4	52.4	51.3	80.2	52.3	52.0	68.2	39.6	52.3	55.1	38.3	42.4	44.0	55.6	51.9			
45	43.2	69.0	46.6	47.1	62.6	46.5	60.8	48.2	34.6	45.9	38.3	33.3	43.5	40.8	45.2	63.0			
50	41.7	42.4	48.0	52.7	45.4	50.3	72.0	37.3	39.0	39.9	35.1	46.1	55.8	50.1	40.8	76.7			
55	57.3	56.4	67.3	72.1	68.6	59.2	40.0	62.9	47.4	58.5	47.5	48.3	51.1	62.1	64.0	56.3			
60	46.3	40.8	44.8	45.7	37.7	25.3	19.2	49.3	23.3	34.6	27.4	21.2	23.5	26.0	43.0	25.6			
65	16.2	13.5	17.9	20.6	13.7	11.4	11.9	17.8	8.81	12.2	10.1	9.81	13.3	16.0	18.9	17.2			
70	10.4	9.28	15.5	16.2	12.5	12.0	15.6	19.8	11.5	15.6	14.0	11.4	12.1	12.5	14.6	11.8			
75	13.0	12.2	22.4	22.8	18.3	15.8	19.7	18.7	15.6	16.1	14.1	13.2	16.1	17.5	15.9	17.4			
80	10.2	10.5	11.1	10.4	9.33	8.44	9.67	8.03	8.90	9.08	8.15	9.37	8.93	10.8	8.17	12.4			
85	3.74	3.65	4.93	5.68	4.86	4.15	4.77	5.33	4.69	3.80	3.98	4.04	3.14	3.96	3.36	4.97			
90	2.13	2.30	3.02	2.62	2.03	1.70	1.26	0.84	0.82	0.88	1.19	1.50	1.80	2.40	1.96	2.43			
95	0.88	0.93	1.00	0.84	0.81	0.73	0.42	0.35	0.36	0.32	0.39	0.61	0.63	0.69	0.49	0.72			
100	0.40	0.47	0.56	0.67	0.65	0.41	0.32	0.28	0.29	0.27	0.32	0.36	0.42	0.43	0.35	0.37			
105	0.36	0.40	0.41	0.42	0.39	0.36	0.33	0.29	0.28	0.27	0.30	0.33	0.35	0.35	0.30	0.32			
110	0.36	0.38	0.40	0.40	0.39	0.39	0.36	0.31	0.29	0.28	0.30	0.33	0.34	0.33	0.30	0.32			
115	0.37	0.39	0.39	0.39	0.37	0.35	0.28	0.25	0.23	0.25	0.29	0.34	0.32	0.31	0.30	0.32			
120	0.29	0.29	0.29	0.26	0.24	0.23	0.22	0.21	0.19	0.19	0.22	0.24	0.25	0.27	0.28	0.30			
125	0.24	0.25	0.26	0.25	0.24	0.24	0.22	0.22	0.20	0.19	0.21	0.23	0.24	0.23	0.23	0.23			
130	0.26	0.26	0.26	0.26	0.25	0.27	0.25	0.27	0.23	0.25	0.25	0.28	0.30	0.28	0.25	0.25			
135	0.45	0.33	0.34	0.35	0.33	0.38	0.74	0.51	0.45	0.59	0.57	0.63	0.91	0.48	0.38	0.49			
140	1.10	1.10	1.01	1.05	0.95	0.88	2.20	1.03	1.68	1.37	1.40	1.52	1.89	1.08	0.93	1.64			
145	1.77	2.04	2.25	2.11	2.20	2.87	2.48	2.43	2.25	1.70	1.60	1.90	2.28	1.97	1.81	2.31			
150	2.31	2.41	2.85	3.20	3.48	3.82	3.06	3.38	2.72	2.33	2.19	2.58	2.69	2.76	2.26	2.64			
155	3.38	3.15	3.76	3.95	4.56	4.97	4.71	4.62	4.00	3.51	3.39	3.65	3.45	3.65	2.92	3.43			
160	4.81	4.94	5.10	4.99	6.56	6.72	6.71	6.49	5.26	4.99	5.21	5.02	4.52	4.91	4.17	4.42			
165	5.99	6.19	6.26	6.82	7.17	7.23	7.31	7.35	5.82	6.04	5.80	5.99	6.26	5.72	5.21	5.52			
170	5.86	6.36	6.85	7.39	7.22	7.14	6.98	7.05	6.89	6.76	6.33	5.82	5.06	4.40	4.58	5.04			
175	3.94	4.32	4.25	4.18	3.93	4.38	4.37	4.35	4.81	4.50	4.58	4.02	3.59	3.03	2.90	3.44			
180	0.14	0.13	0.13	0.14	0.13	0.14	0.14	0.17	0.14	0.13	0.13	0.14	0.13	0.14	0.14	0.17			

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

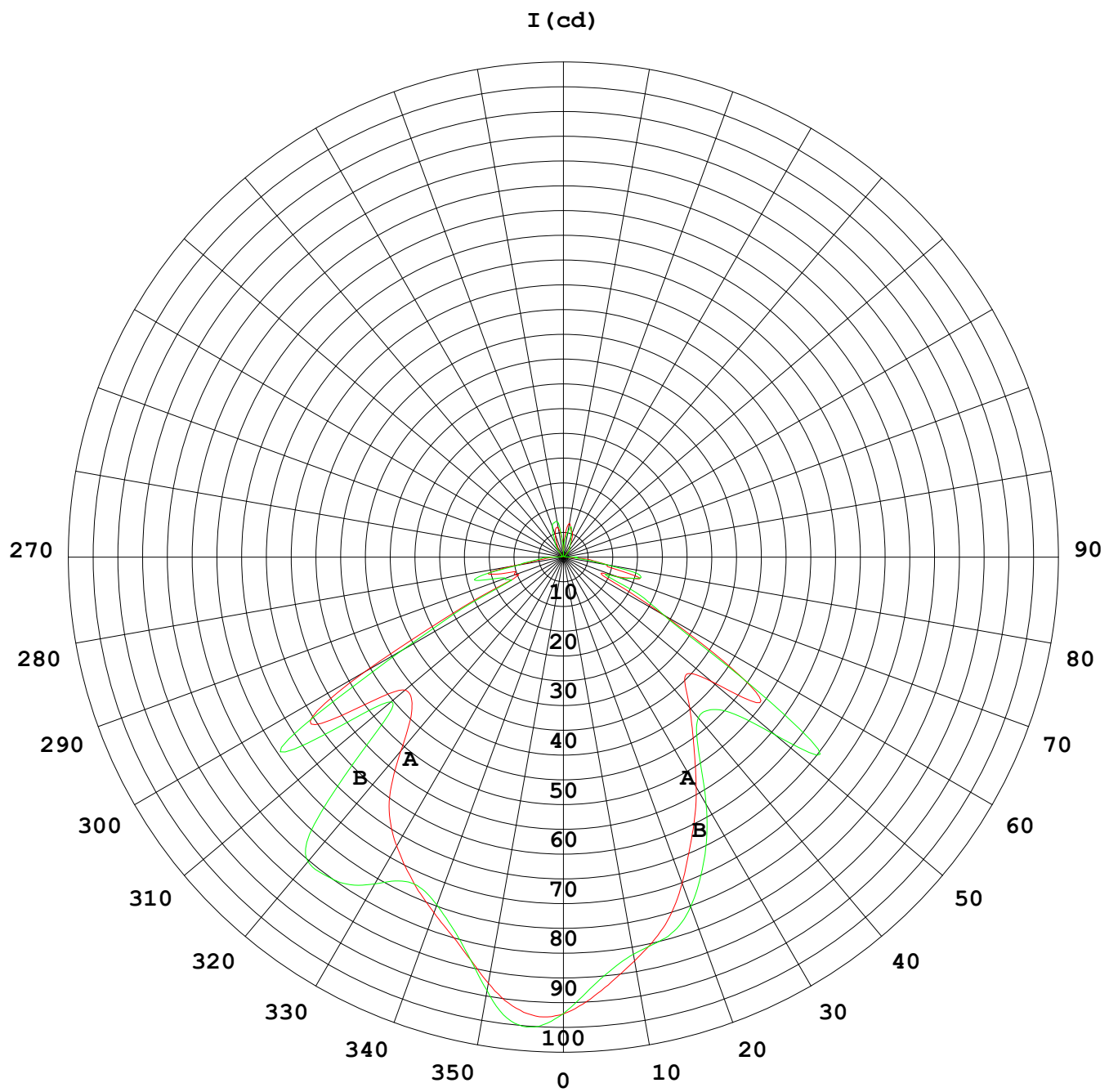
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Humidity:60.5%  
Test Distance:2.617m [K=1.0000]  
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Checker: Near Gao

Assessor: Akin Xu



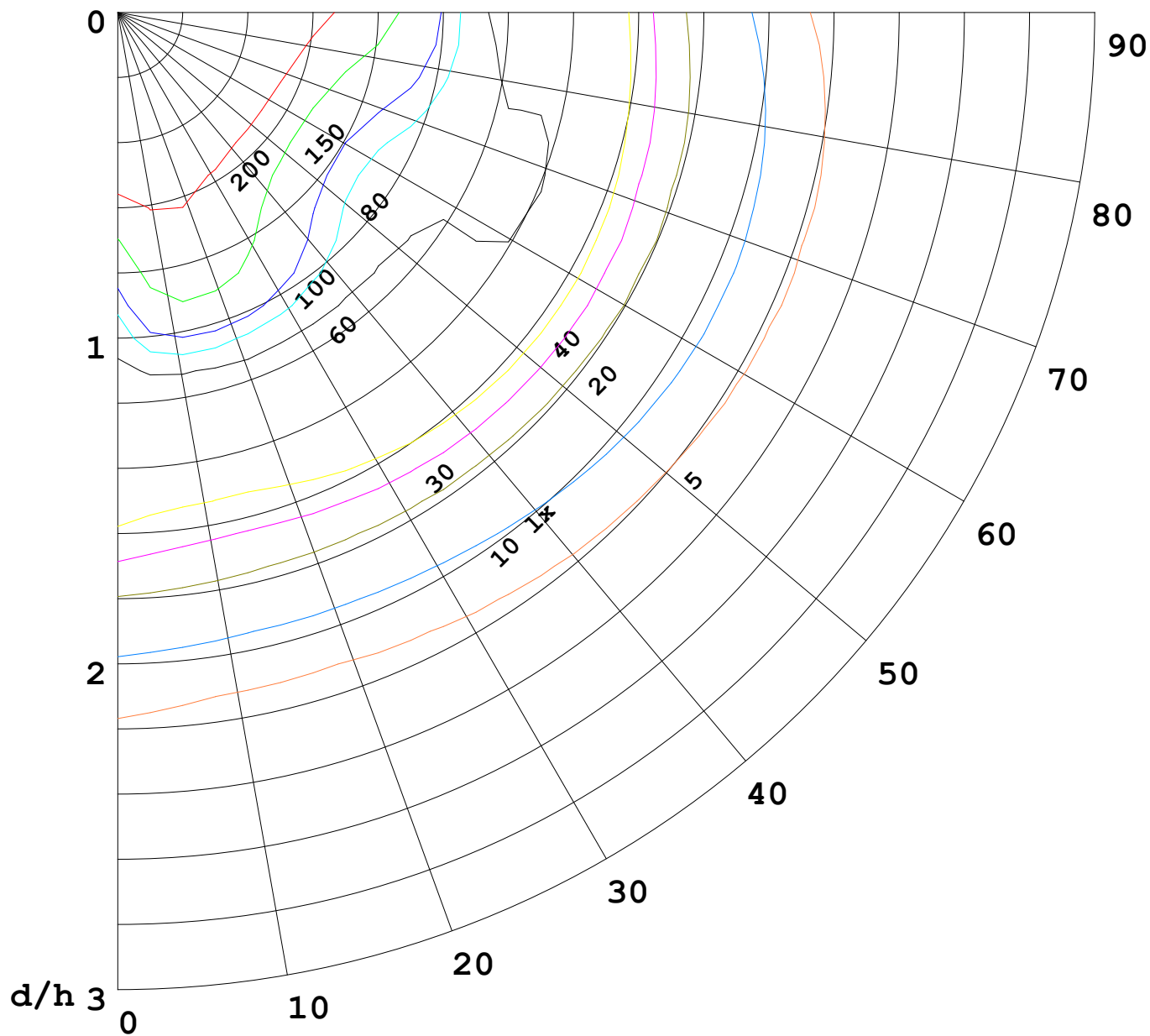
# ROSS GARDAM



# ROSS GARDAM

1000 lm

K = 1



# ROSS GARDAM

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

