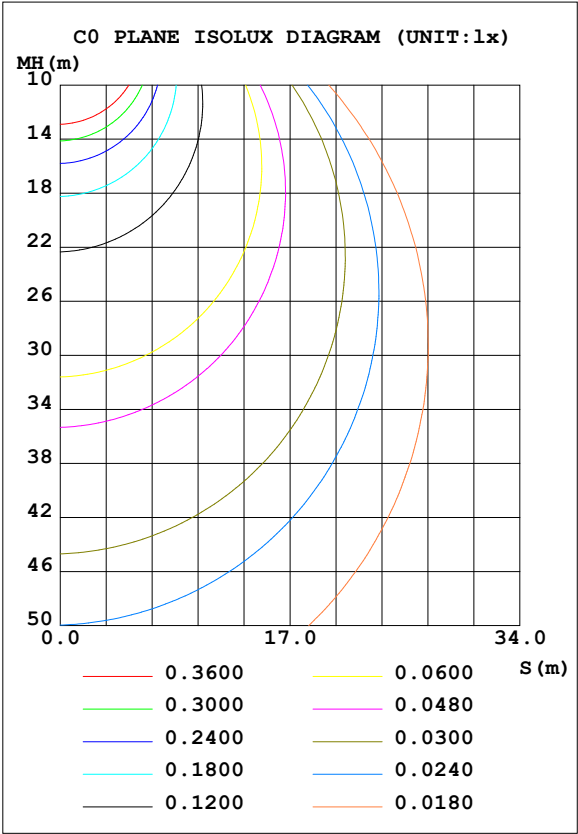
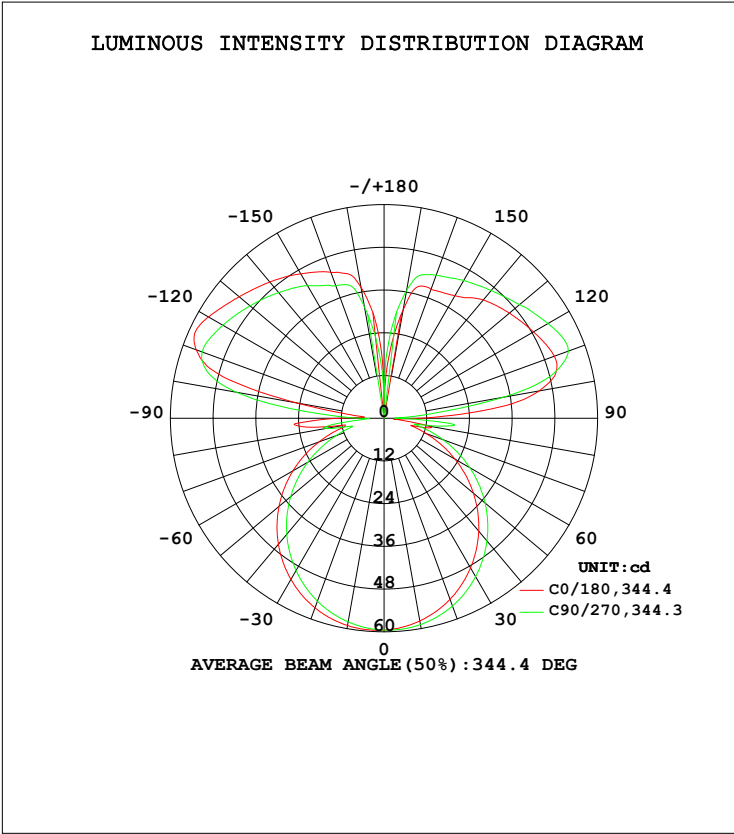


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz		
Lamp Flux:452.248x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
Eff: 39.21 lm/W					
MODEL	Light-White glass	Imax(cd)	59.68	S/MH(C0/180)	1.30
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	452.25	η UP,DN(C0-180)	29.6,20.4
NOMINAL FLUX(lm)	452.248	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	30.1,19.9
LAMPS INSIDE	1	η up (%)	59.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	40.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

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

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	57.80	58.26	58.85	59.22	59.13	58.66	58.08	57.70	0- 10	5.630	5.630	1.24,1.24
20	54.14	55.00	56.14	56.87	56.70	55.83	54.70	53.96	10- 20	16.14	21.77	4.81,4.81
30	48.55	49.79	51.41	52.48	52.30	51.05	49.41	48.35	20- 30	24.49	46.26	10.2,10.2
40	41.38	42.91	44.95	46.35	46.17	44.58	42.51	41.16	30- 40	29.58	75.84	16.8,16.8
50	32.83	34.64	37.07	38.74	38.54	36.67	34.25	32.64	40- 50	30.75	106.6	23.6,23.6
60	23.07	25.09	27.89	29.78	29.56	27.48	24.75	22.95	50- 60	27.79	134.4	29.7,29.7
70	12.65	14.74	17.67	19.70	19.44	17.28	14.40	12.46	60- 70	20.99	155.4	34.4,34.4
80	12.79	14.38	10.71	9.380	11.11	15.16	16.33	13.42	70- 80	13.23	168.6	37.3,37.3
90	10.48	5.770	3.747	11.87	12.72	6.380	6.301	11.16	80- 90	13.52	182.1	40.3,40.3
100	44.20	42.06	33.82	24.41	25.03	34.22	42.06	44.60	90-100	20.94	203.1	44.9,44.9
110	50.91	52.24	55.07	56.09	56.16	55.98	54.38	51.80	100-110	50.87	253.9	56.1,56.1
120	48.50	49.95	53.19	56.31	56.95	55.37	52.28	49.28	110-120	53.56	307.5	68,68
130	45.95	47.25	49.68	52.55	53.11	51.76	49.15	46.62	120-130	45.87	353.4	78.1,78.1
140	43.38	44.75	46.83	49.41	49.97	48.57	46.09	43.45	130-140	37.21	390.6	86.4,86.4
150	39.75	42.64	44.68	46.46	46.83	45.43	43.02	39.73	140-150	28.31	418.9	92.6,92.6
160	38.61	41.50	42.78	43.90	43.62	42.37	39.67	36.73	150-160	19.59	438.5	97,97
170	30.85	33.94	36.36	37.89	37.30	35.18	31.70	29.89	160-170	11.25	449.7	99.4,99.4
180	3.467	3.487	3.544	3.468	3.467	3.492	3.551	3.477	170-180	2.531	452.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 91.324 lm

%lum = 20.2%  
%lamp = 20.2%

Conical surface Flux(120deg): 134.38 lm

%lum = 29.7%  
%lamp = 29.7%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

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

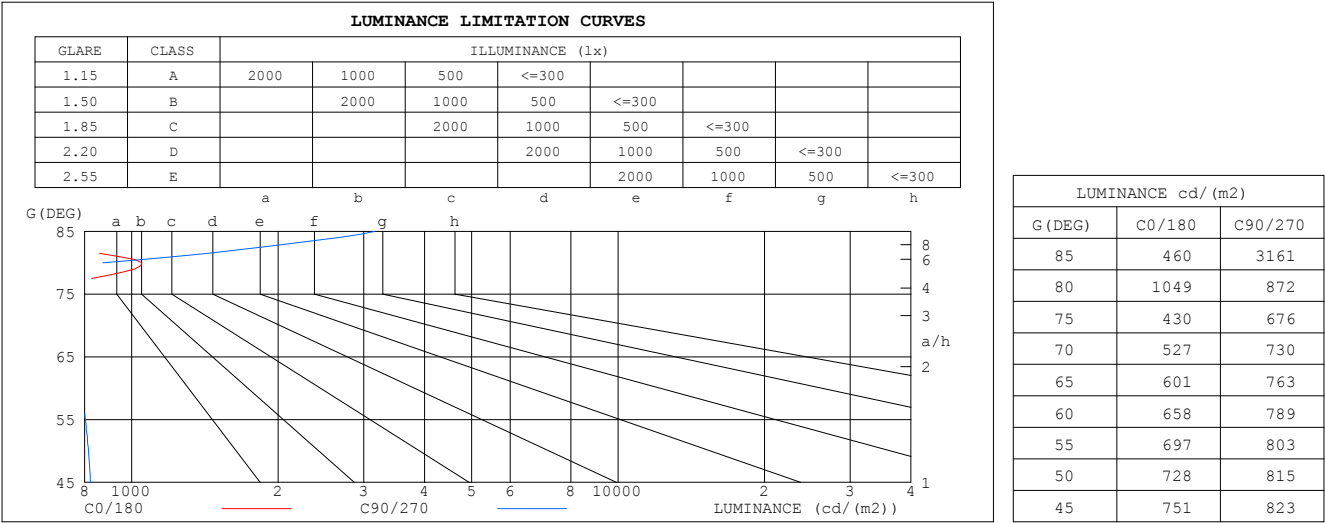
Assessor: Akin Xu



# ROSS GARDAM

## LUMINANCE LIMITATION CURVES

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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:2022-12-02

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

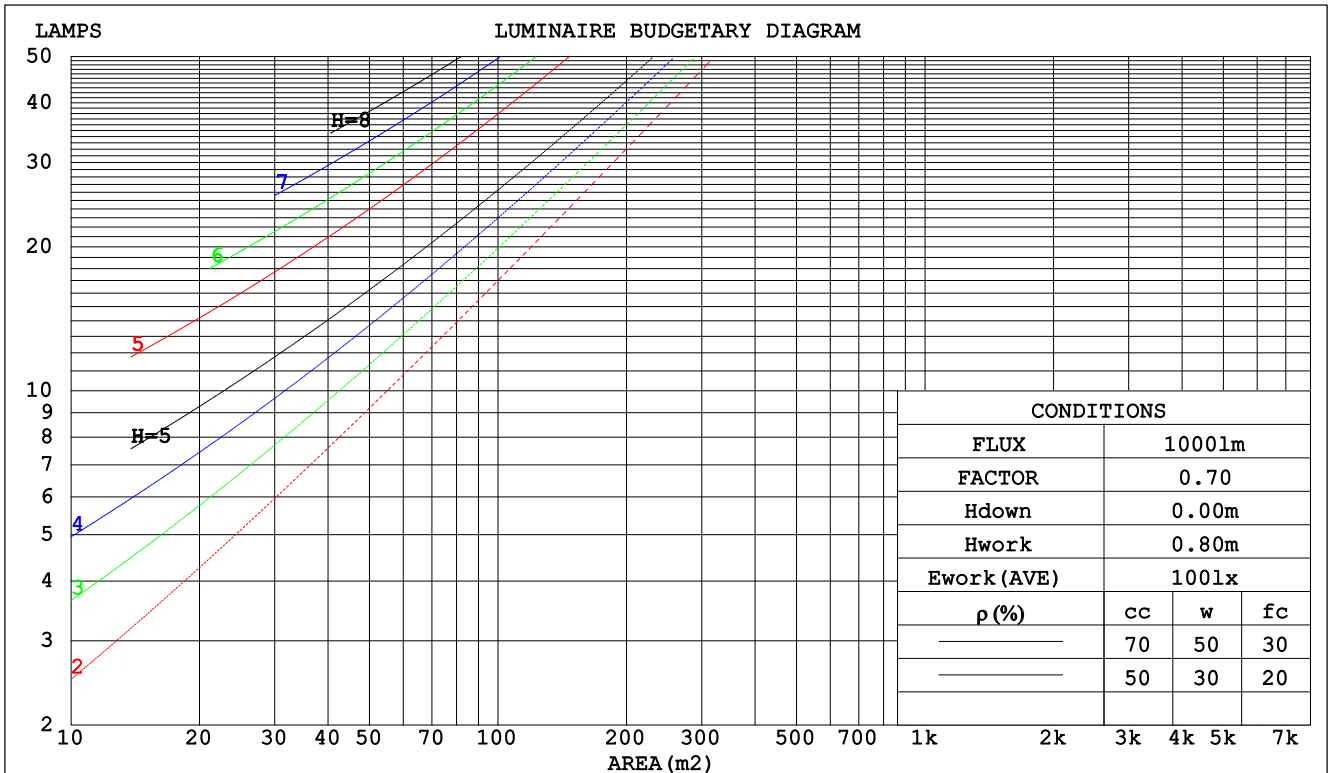


# ROSS GARDAM

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz		
Lamp Flux:452.248x1 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						Coefficients of Utilization(CU)									
0.0	1.05	1.05	1.05	.95	.95	.95	.78	.78	.78	.62	.62	.62	.47	.47	.47	.40
1.0	.90	.86	.82	.82	.78	.75	.67	.64	.62	.53	.51	.50	.40	.39	.38	.32
2.0	.78	.72	.67	.71	.66	.61	.58	.54	.51	.46	.43	.41	.35	.33	.32	.26
3.0	.69	.61	.55	.63	.56	.51	.51	.46	.42	.41	.37	.34	.31	.29	.27	.22
4.0	.61	.52	.46	.55	.48	.43	.45	.40	.36	.36	.32	.29	.28	.25	.23	.19
5.0	.54	.46	.40	.49	.42	.37	.40	.35	.31	.32	.28	.25	.25	.22	.20	.16
6.0	.48	.40	.34	.44	.37	.32	.36	.31	.27	.29	.25	.22	.22	.20	.17	.14
7.0	.43	.35	.30	.40	.33	.28	.33	.27	.23	.26	.22	.19	.20	.17	.15	.13
8.0	.39	.31	.26	.36	.29	.24	.30	.25	.21	.24	.20	.17	.19	.16	.14	.11
9.0	.36	.28	.23	.33	.26	.22	.27	.22	.18	.22	.18	.15	.17	.14	.12	.10
10.0	.33	.25	.21	.30	.24	.19	.25	.20	.17	.20	.17	.14	.16	.13	.11	.09



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Wilson  
 Test Date: 2022-12-02

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

## WEC AND CCEC

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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	.301	.171	.054	.276	.158	.050	.229	.131	.042	.186	.107	.034	.146	.085	.027	
2.0	.270	.148	.045	.247	.136	.042	.205	.114	.035	.165	.093	.029	.128	.073	.023	
3.0	.246	.131	.039	.225	.121	.036	.186	.101	.031	.150	.082	.025	.116	.064	.020	
4.0	.226	.117	.035	.207	.108	.032	.171	.090	.027	.137	.074	.022	.106	.058	.018	
5.0	.208	.106	.031	.191	.098	.029	.157	.082	.024	.126	.067	.020	.097	.052	.016	
6.0	.193	.097	.028	.177	.089	.026	.146	.075	.022	.117	.061	.018	.090	.048	.014	
7.0	.180	.089	.025	.165	.082	.023	.136	.069	.020	.109	.056	.016	.084	.044	.013	
8.0	.168	.082	.023	.154	.076	.021	.127	.064	.018	.102	.052	.015	.079	.040	.012	
9.0	.158	.076	.021	.145	.070	.020	.120	.059	.017	.096	.048	.014	.074	.038	.011	
10.0	.148	.071	.020	.136	.066	.018	.113	.055	.016	.091	.045	.013	.070	.035	.010	

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	.646	.646	.646	.552	.552	.552	.377	.377	.377	.216	.216	.216	.069	.069	.069	
1.0	.639	.615	.594	.546	.528	.511	.374	.363	.353	.215	.210	.206	.069	.068	.066	
2.0	.631	.594	.563	.541	.511	.486	.371	.354	.339	.214	.206	.199	.069	.067	.065	
3.0	.624	.579	.542	.535	.499	.470	.367	.347	.330	.212	.202	.194	.068	.066	.064	
4.0	.618	.567	.528	.530	.490	.459	.364	.341	.323	.211	.200	.191	.068	.065	.063	
5.0	.611	.558	.519	.525	.483	.451	.361	.337	.319	.209	.198	.189	.067	.065	.062	
6.0	.605	.551	.512	.520	.477	.445	.359	.334	.315	.208	.196	.187	.067	.064	.062	
7.0	.599	.545	.506	.515	.472	.441	.356	.331	.313	.207	.195	.186	.067	.064	.062	
8.0	.593	.539	.503	.511	.468	.438	.353	.329	.311	.206	.194	.185	.067	.064	.061	
9.0	.588	.535	.500	.506	.464	.436	.351	.326	.309	.204	.193	.184	.066	.063	.061	
10.0	.583	.531	.497	.503	.461	.434	.349	.325	.308	.203	.192	.184	.066	.063	.061	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

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:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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	7.1	7.9	8.0	8.9	10.1	7.7	8.6	8.7	9.5	10.8
	3H	8.1	8.9	9.1	9.9	11.2	9.1	9.9	10.1	10.9	12.2
	4H	8.5	9.2	9.4	10.2	11.5	9.7	10.4	10.7	11.4	12.7
	6H	9.8	10.5	10.8	11.5	12.8	10.2	10.9	11.2	11.9	13.3
	8H	10.2	10.9	11.2	11.9	13.2	11.4	12.1	12.4	13.1	14.4
	12H	10.3	10.9	11.3	11.9	13.3	13.2	13.8	14.2	14.8	16.2
4H	2H	7.5	8.2	8.5	9.2	10.5	8.0	8.7	9.0	9.7	11.0
	3H	8.7	9.3	9.7	10.4	11.7	9.6	10.2	10.6	11.2	12.6
	4H	9.1	9.7	10.2	10.7	12.1	10.2	10.8	11.2	11.8	13.2
	6H	10.8	11.3	11.9	12.4	13.7	11.0	11.5	12.1	12.6	14.0
	8H	11.4	11.8	12.4	12.9	14.3	12.5	13.0	13.6	14.0	15.4
	12H	11.5	11.9	12.5	12.9	14.4	14.5	14.9	15.6	16.0	17.4
8H	4H	9.4	9.8	10.4	10.9	12.3	10.3	10.8	11.4	11.8	13.2
	6H	11.6	12.0	12.7	13.0	14.5	11.7	12.1	12.8	13.2	14.6
	8H	12.3	12.6	13.4	13.7	15.2	13.6	13.9	14.7	15.0	16.5
	12H	12.5	12.7	13.6	13.8	15.3	15.7	16.0	16.8	17.1	18.5
12H	4H	9.6	10.0	10.6	11.0	12.5	10.4	10.8	11.5	11.9	13.3
	6H	12.0	12.3	13.0	13.4	14.8	12.1	12.4	13.2	13.5	14.9
	8H	12.7	13.0	13.8	14.1	15.5	14.0	14.3	15.1	15.4	16.8
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.3 / - 0.5					

CIE Pub.117, 452.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.8)  
Area: 0.07065 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

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:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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) $k(RI) \times RCR = 5$									
$k = 0.60$	39	28	22	37	27	21	33	24	19	12
0.80	49	36	29	45	34	28	39	31	25	15
1.00	56	44	36	52	41	34	45	37	30	19
1.25	63	51	43	58	48	40	50	41	36	21
1.50	68	57	48	63	53	46	53	45	40	23
2.00	76	65	57	69	60	53	58	51	46	26
2.50	80	71	63	73	65	59	61	55	50	28
3.00	84	75	68	77	69	63	63	58	54	30
4.00	88	81	75	81	74	69	67	62	58	32
5.00	91	85	80	83	78	73	68	65	61	33
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: 2022-12-02

Checker: Near Gao

$\gamma$  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

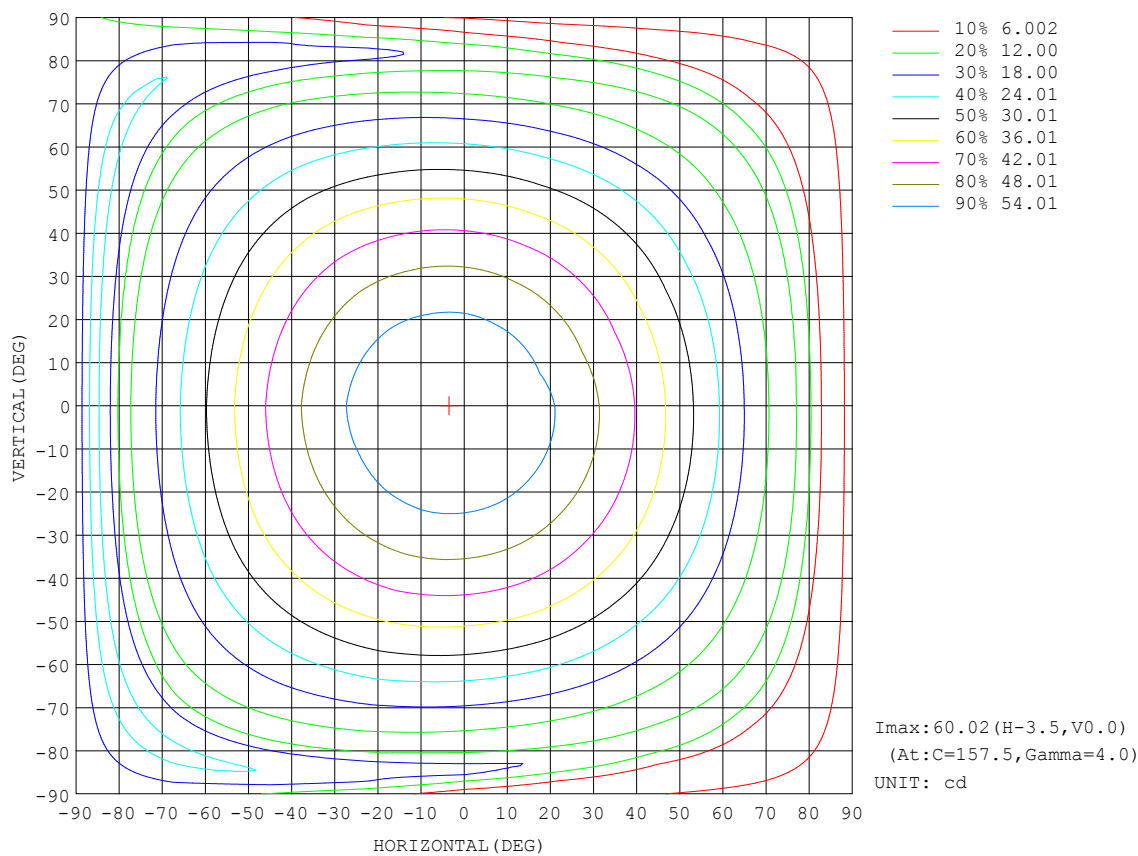
Assessor: Akin Xu



# ROSS GARDAM

## ISOCANDELA DIAGRAM

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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:2022-12-02

Checker: Near Gao

$\gamma$  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

Assessor: Akin Xu

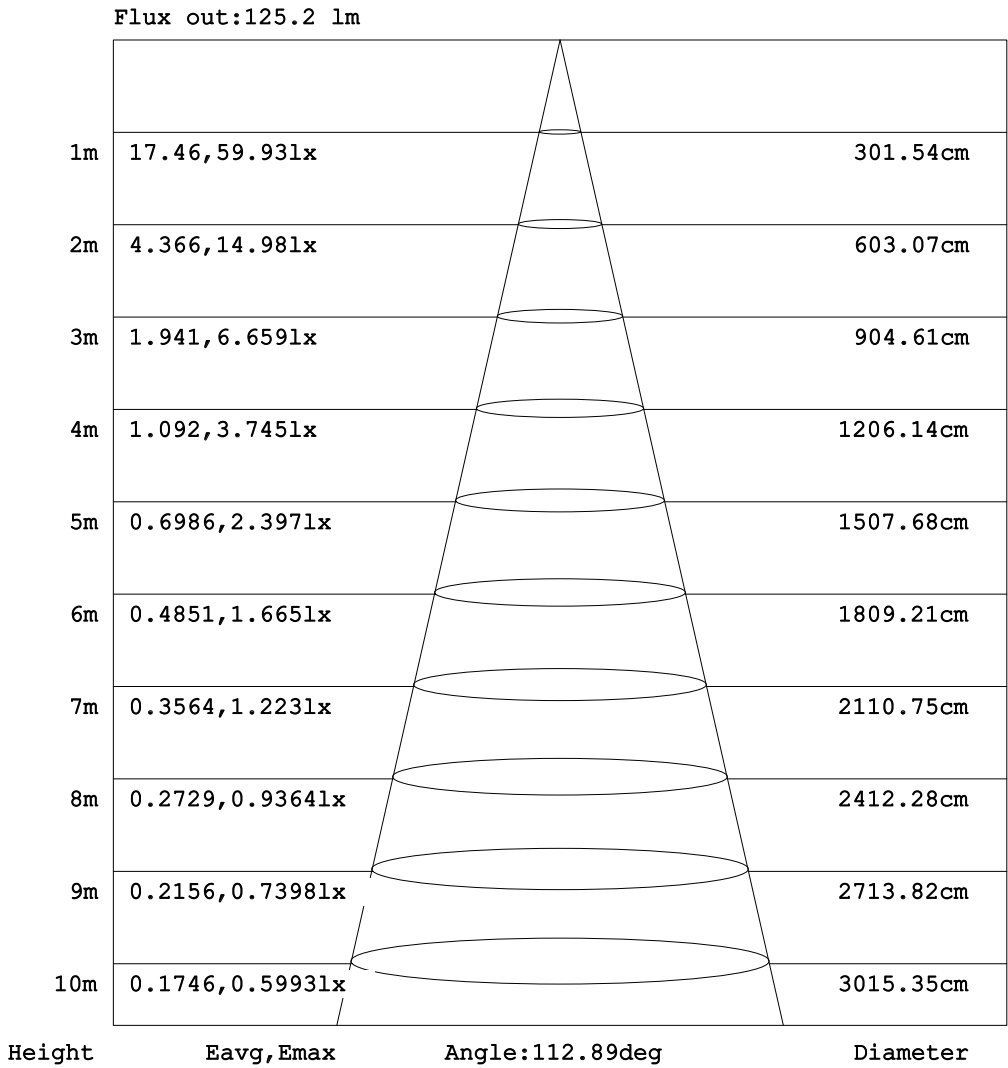




# ROSS GARDAM

AAI Figure

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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:2022-12-02

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

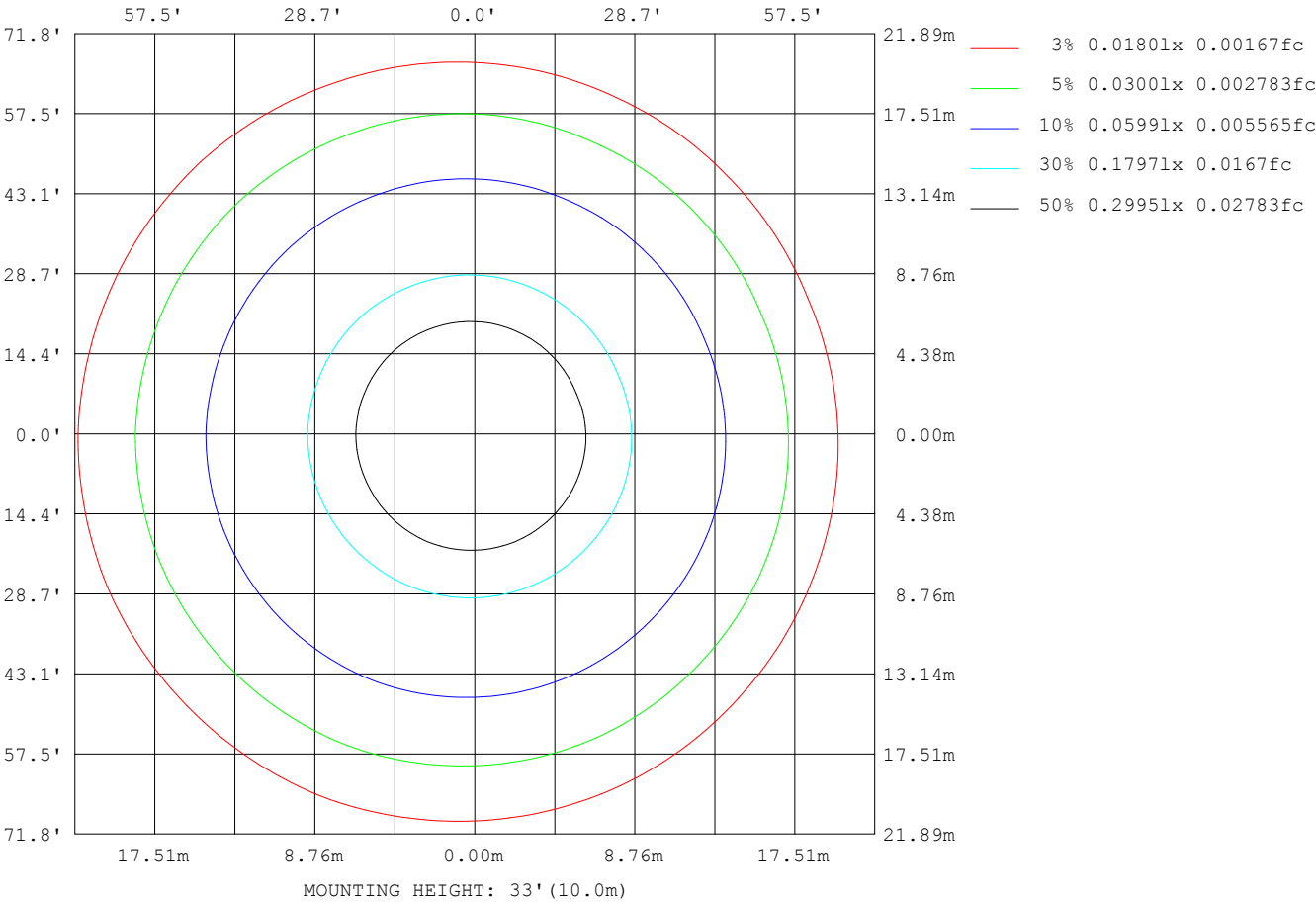
Assessor: Akin Xu



# ROSS GARDAM

## ISOLUX DIAGRAM

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 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:2022-12-02

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

## LED Avg.L Report

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz Lamp Flux:452.248x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	711
L_0~180 (75) av	604
L_0~180 (85) av	2205
L_90~270 (65) av	710
L_90~270 (75) av	595
L_90~270 (85) av	2290
L_45 (65) av	711
L_45 (75) av	608
L_45 (85) av	2111

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

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

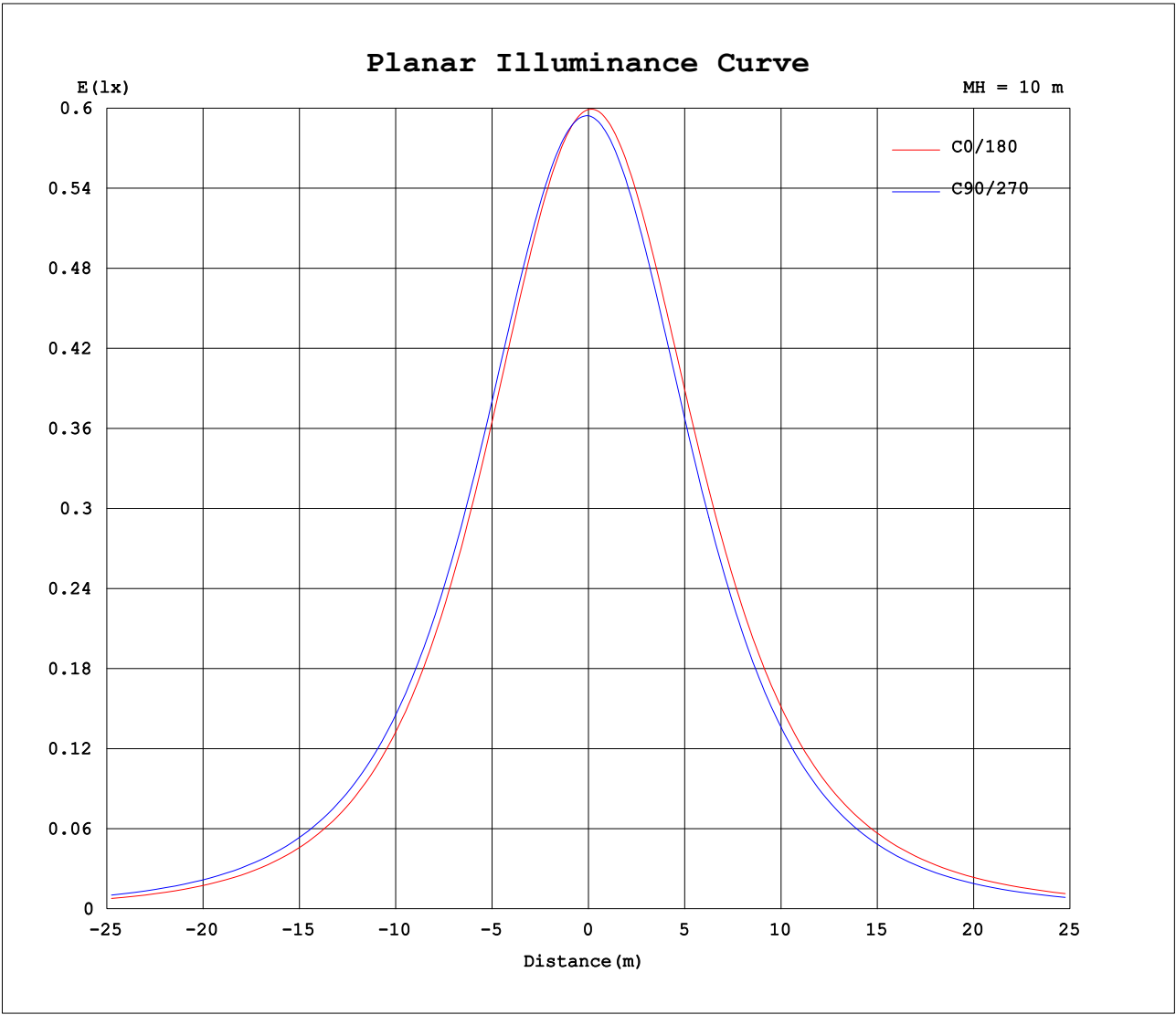
Checker: Near Gao

Assessor: Akin Xu



# ROSS GARDAM

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

$\gamma$  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

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.12V I:0.0514A P:11.534W PF:0.9754 Freq:50.00Hz																	
Lamp Flux:452.248x1 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	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5			
5	58.9	59.0	59.1	59.3	59.4	59.6	59.6	59.7	59.6	59.5	59.3	59.2	59.0	58.9	58.8	58.8			
10	57.8	58.0	58.3	58.6	58.9	59.1	59.2	59.3	59.1	58.9	58.7	58.3	58.1	57.8	57.7	57.6			
15	56.2	56.5	56.9	57.4	57.7	58.1	58.3	58.4	58.1	57.8	57.5	57.0	56.6	56.2	56.1	56.0			
20	54.1	54.6	55.0	55.6	56.1	56.6	56.9	57.0	56.7	56.3	55.8	55.2	54.7	54.2	54.0	53.8			
25	51.6	52.1	52.6	53.4	54.0	54.7	54.9	55.1	54.7	54.2	53.7	52.9	52.3	51.7	51.4	51.2			
30	48.6	49.1	49.8	50.7	51.4	52.1	52.5	52.7	52.3	51.7	51.0	50.1	49.4	48.7	48.3	48.2			
35	45.2	45.8	46.5	47.6	48.4	49.2	49.6	49.8	49.5	48.7	48.0	47.0	46.2	45.3	44.9	44.7			
40	41.4	42.1	42.9	44.1	45.0	45.9	46.4	46.6	46.2	45.4	44.6	43.4	42.5	41.6	41.2	41.0			
45	37.3	38.1	38.9	40.2	41.2	42.2	42.7	43.0	42.5	41.7	40.8	39.6	38.5	37.5	37.1	36.8			
50	32.8	33.7	34.6	36.0	37.1	38.2	38.7	39.0	38.5	37.7	36.7	35.4	34.2	33.2	32.6	32.3			
55	28.0	29.0	30.0	31.4	32.6	33.8	34.3	34.7	34.2	33.3	32.2	30.8	29.6	28.5	27.9	27.6			
60	23.1	24.0	25.1	26.6	27.9	29.1	29.8	30.0	29.6	28.6	27.5	26.0	24.8	23.5	22.9	22.6			
65	17.8	18.8	20.0	21.5	22.8	24.2	24.7	25.2	24.7	23.6	22.5	21.0	19.6	18.4	17.6	17.4			
70	12.7	13.5	14.7	16.2	17.7	18.8	19.7	19.9	19.4	18.5	17.3	15.8	14.4	13.2	12.5	12.2			
75	7.81	8.47	9.59	11.0	12.4	13.7	14.3	14.8	14.3	13.4	12.1	10.8	9.38	8.80	8.40	8.41			
80	12.8	14.2	14.4	12.7	10.7	11.0	9.38	11.1	11.1	13.0	15.2	16.6	16.3	15.5	13.4	12.1			
85	2.81	3.85	6.35	12.7	19.5	21.6	22.4	23.6	24.3	23.9	19.5	14.4	8.71	5.55	3.74	2.79			
90	10.5	8.24	5.77	3.22	3.75	8.15	11.9	13.9	12.7	9.71	6.38	4.84	6.30	9.38	11.2	11.6			
95	30.2	26.1	21.9	15.4	11.6	8.67	6.76	5.99	7.25	8.79	11.8	17.0	22.0	27.1	29.4	31.6			
100	44.2	43.0	42.1	38.7	33.8	27.3	24.4	23.1	25.0	29.4	34.2	39.8	42.1	43.8	44.6	44.8			
105	50.0	50.1	50.0	50.0	49.6	47.9	47.6	47.2	48.2	50.0	50.7	51.3	51.5	51.3	50.7	50.2			
110	50.9	51.5	52.2	53.5	55.1	55.5	56.1	56.3	56.2	56.3	56.0	55.4	54.4	53.0	51.8	50.9			
115	49.9	50.5	51.4	52.9	54.9	56.8	57.9	58.4	58.3	57.8	56.9	55.4	53.7	52.0	50.7	49.8			
120	48.5	49.1	49.9	51.4	53.2	55.2	56.3	57.1	57.0	56.3	55.4	53.8	52.3	50.5	49.3	48.5			
125	47.2	47.6	48.6	50.0	51.5	53.2	54.4	55.0	54.9	54.4	53.5	52.1	50.7	49.0	47.9	47.2			
130	46.0	46.2	47.2	48.7	49.7	51.5	52.6	53.2	53.1	52.6	51.8	50.4	49.2	47.4	46.6	46.0			
135	44.7	44.9	46.0	47.4	48.1	49.9	50.9	51.5	51.5	50.9	50.1	48.7	47.6	45.8	45.3	44.7			
140	43.4	43.5	44.8	46.2	46.8	48.4	49.4	50.0	50.0	49.4	48.6	47.0	46.1	44.0	43.5	43.3			
145	41.4	42.2	43.6	45.1	45.7	47.0	47.9	48.5	48.5	47.8	47.1	45.3	44.6	42.3	41.4	41.6			
150	39.7	41.2	42.6	44.1	44.7	45.7	46.5	47.0	46.8	46.4	45.4	43.8	43.0	40.8	39.7	39.1			
155	39.0	40.5	42.0	43.1	43.6	44.5	45.1	45.6	45.3	44.8	43.8	42.5	41.1	38.8	38.4	36.8			
160	38.6	40.5	41.5	42.4	42.8	43.3	43.9	44.3	43.6	43.3	42.4	41.3	39.7	37.6	36.7	36.4			
165	38.4	39.9	40.7	41.3	41.8	42.2	42.5	42.6	42.1	41.9	41.1	39.9	38.8	37.6	36.7	36.3			
170	30.9	32.3	33.9	35.3	36.4	37.3	37.9	38.1	37.3	36.0	35.2	33.6	31.7	30.3	29.9	29.4			
175	18.6	20.4	22.4	23.9	25.7	27.1	27.6	27.5	27.1	25.6	23.5	21.6	19.9	18.8	17.9	17.0			
180	3.47	3.49	3.49	3.51	3.54	3.52	3.47	3.37	3.47	3.49	3.49	3.51	3.55	3.52	3.48	3.37			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Wilson  
Test Date:2022-12-02

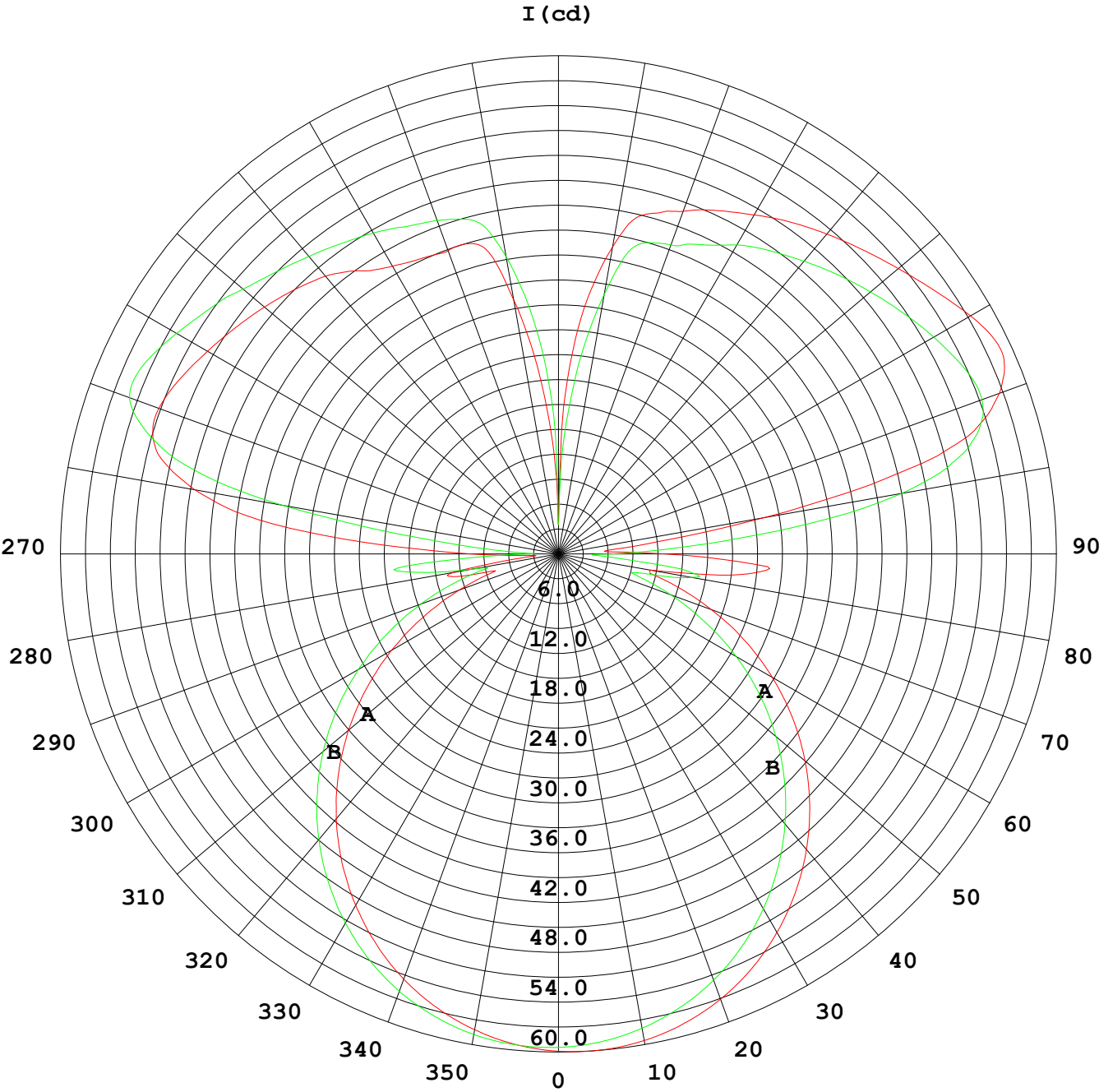
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.444  
Humidity:60.5%  
Test Distance:2.617m [K=1.0000]  
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

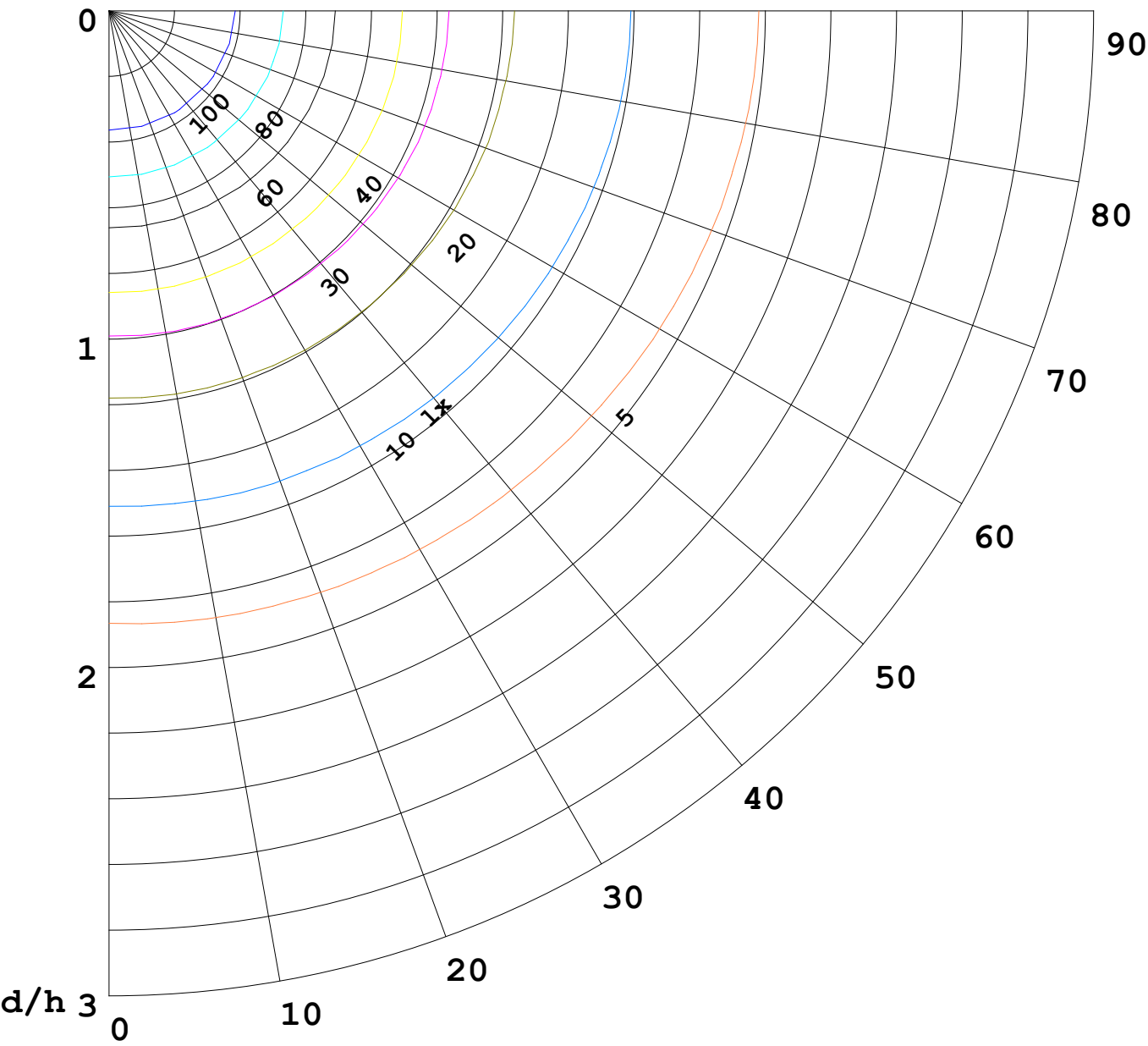


# ROSS GARDAM



# 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

