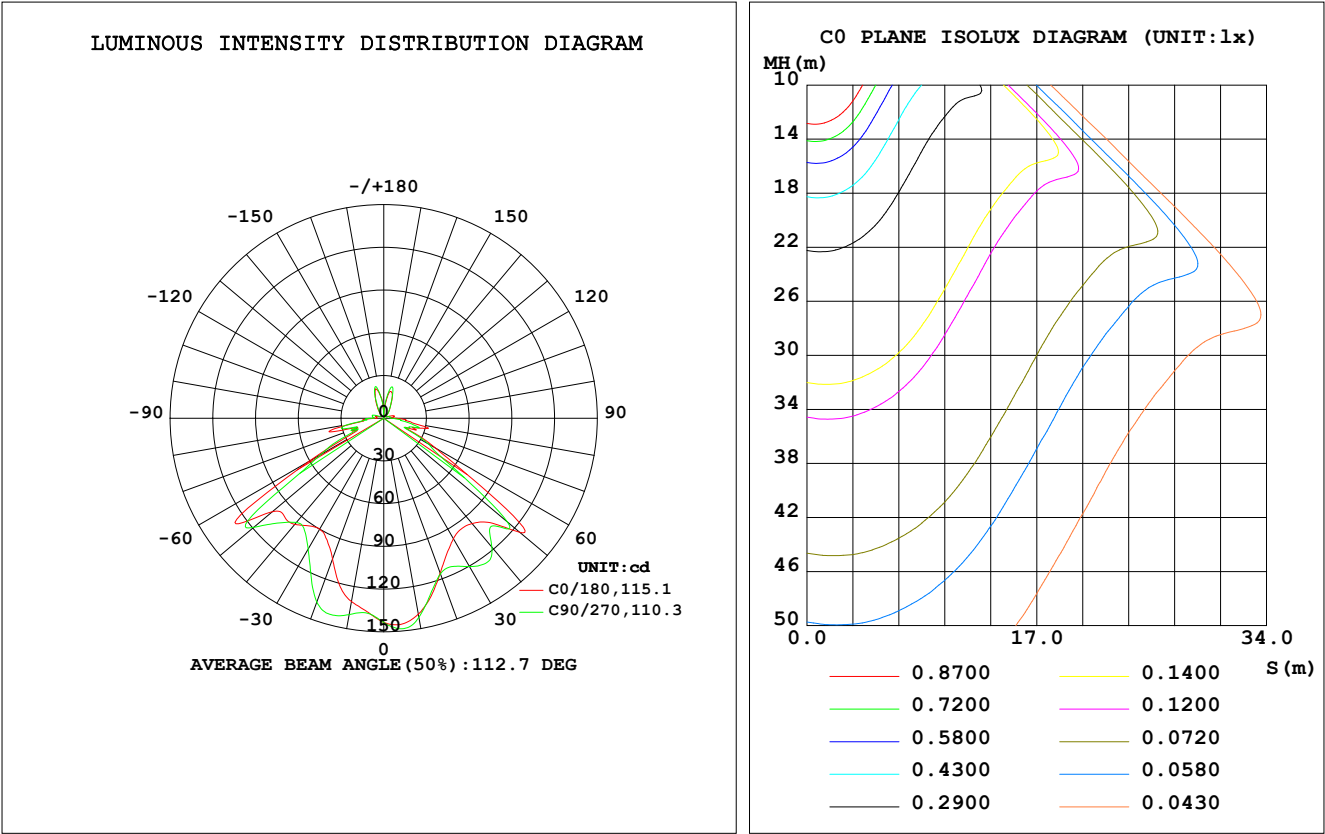


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz		
Lamp Flux:442.823x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
Model: Pendant-White glass		Eff: 83.31 lm/W			
NOMINAL POWER(W)		Imax(cd)	157.7	S/MH(C0/180)	0.92
RATED VOLTAGE(V)		LOR(%)	100.0	S/MH(C90/270)	1.12
NOMINAL FLUX(lm)		TOTAL FLUX(lm)	442.82	η UP,DN(C0-180)	4.0,46.1
LAMPS INSIDE		CIE CLASS	DIRECT	η UP,DN(C180-360)	4.1,45.7
TEST VOLTAGE(V)		η up(%)	8.1	CIBSE SHR NOM	1.25
		η down(%)	91.9	CIBSE SHR MAX	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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	139.7	146.3	141.9	133.5	130.7	133.3	140.0	138.6	0- 10	13.43	13.43	3.03,3.03
20	115.8	115.1	116.4	116.6	105.1	111.2	137.5	127.5	10- 20	36.35	49.78	11.2,11.2
30	97.76	107.2	120.2	98.96	90.07	110.1	106.3	101.6	20- 30	50.65	100.4	22.7,22.7
40	96.64	109.5	118.0	98.51	97.29	138.4	95.60	106.6	30- 40	67.39	167.8	37.9,37.9
50	124.5	125.1	113.5	128.6	102.1	122.8	119.2	124.4	40- 50	90.43	258.3	58.3,58.3
60	41.78	46.08	36.54	44.91	61.04	41.53	51.16	67.06	50- 60	79.00	337.3	76.2,76.2
70	24.39	22.07	19.18	22.89	19.39	19.00	24.44	24.05	60- 70	26.96	364.2	82.2,82.2
80	22.16	20.28	16.92	20.82	23.07	23.04	25.03	29.63	70- 80	27.81	392.0	88.5,88.5
90	8.728	6.962	6.433	9.719	4.966	6.470	9.015	6.326	80- 90	14.82	406.8	91.9,91.9
100	7.464	4.704	4.662	5.896	5.108	5.304	8.177	7.199	90-100	6.246	413.1	93.3,93.3
110	4.800	3.244	3.343	4.714	3.405	3.779	5.891	5.198	100-110	6.031	419.1	94.6,94.6
120	2.312	2.168	2.156	2.264	2.349	2.534	2.776	2.805	110-120	2.981	422.1	95.3,95.3
130	2.003	1.956	1.908	1.909	1.889	2.050	2.179	2.264	120-130	1.945	424.0	95.8,95.8
140	4.369	4.367	4.563	4.342	2.721	3.163	2.921	2.744	130-140	1.888	425.9	96.2,96.2
150	9.122	9.560	9.116	9.648	8.952	9.898	7.826	9.449	140-150	3.792	429.7	97,97
160	17.72	19.51	18.54	18.22	17.70	21.58	18.99	18.57	150-160	6.172	435.9	98.4,98.4
170	15.76	18.22	17.75	17.54	17.62	18.24	18.51	14.63	160-170	5.757	441.7	99.7,99.7
180	0.2453	0.2284	0.2418	0.2476	0.2453	0.2280	0.2421	0.2514	170-180	1.166	442.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 209.84 lm

%lum = 47.4%
%lamp = 47.4%

Conical surface Flux(120deg): 337.25 lm

%lum = 76.2%
%lamp = 76.2%

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

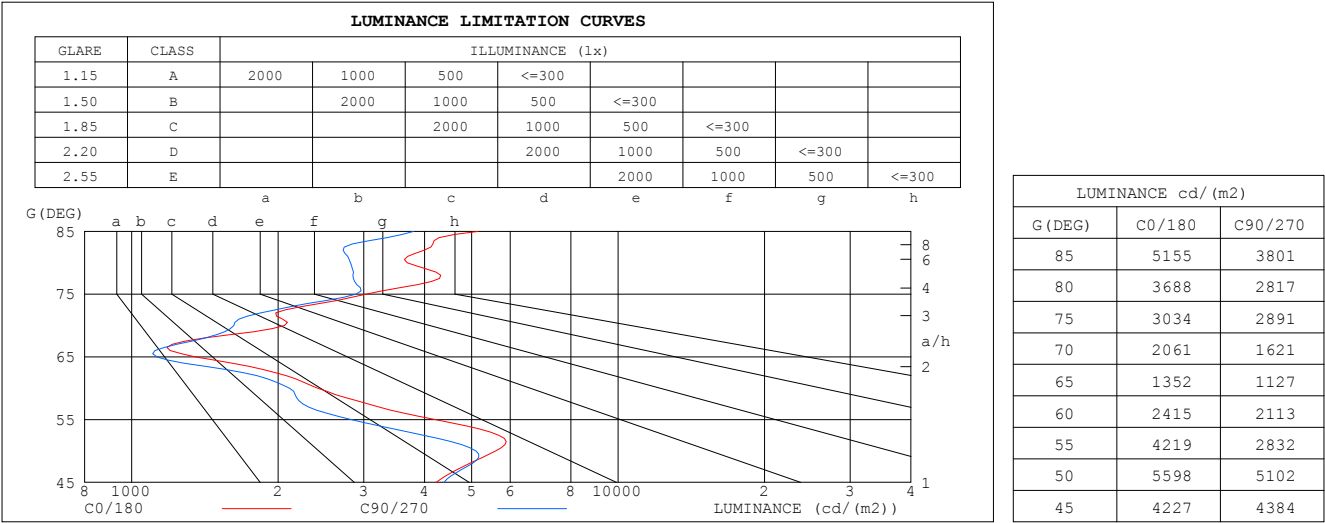
Assessor: Akin Xu



ROSS GARDAM

LUMINANCE LIMITATION CURVES

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz		
Lamp Flux:442.823x1 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

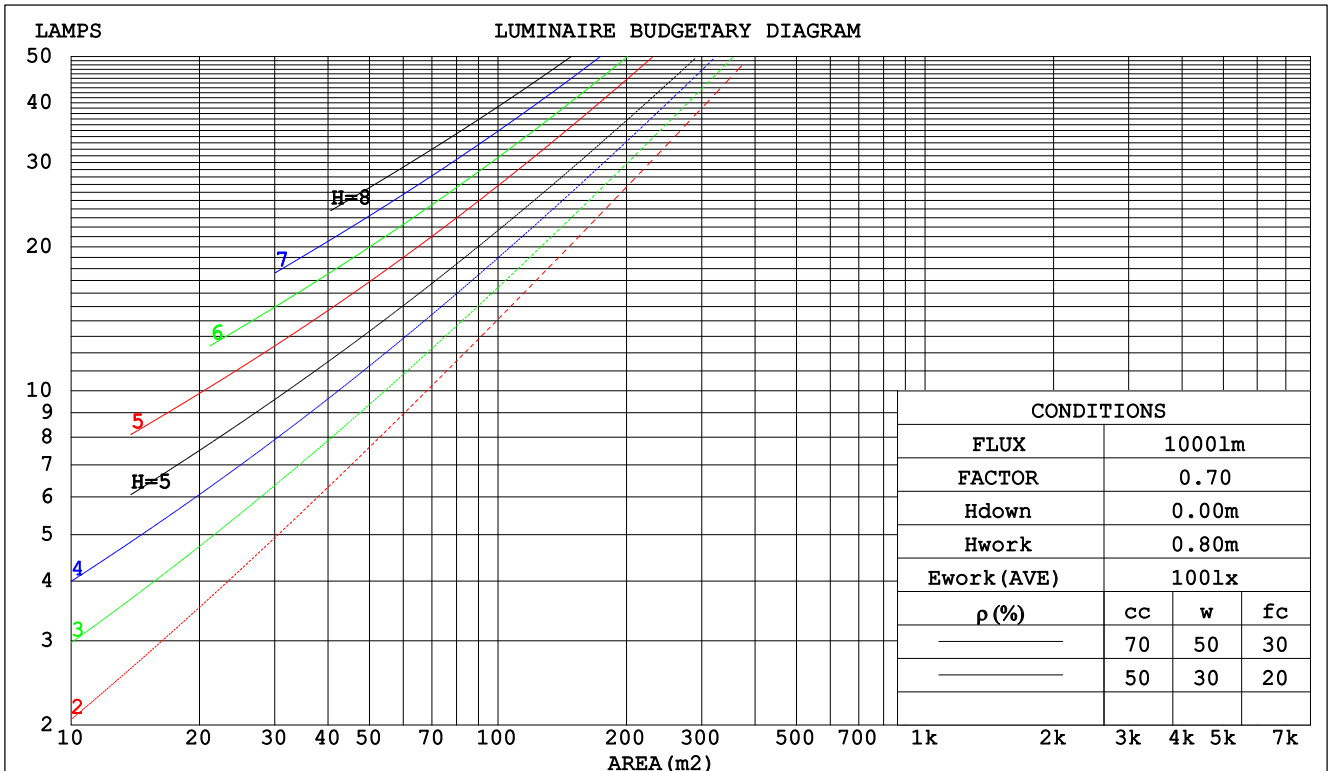


ROSS GARDAM

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz		
Lamp Flux:442.823x1 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	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	1.02	.97	.93	.99	.95	.91	.93	.90	.87	.88	.85	.83	.83	.81	.79	.76
2.0	.89	.82	.76	.86	.80	.75	.81	.76	.72	.77	.73	.69	.73	.69	.66	.64
3.0	.78	.70	.63	.76	.68	.62	.72	.65	.60	.68	.62	.58	.64	.60	.56	.54
4.0	.69	.60	.54	.67	.59	.53	.64	.57	.51	.60	.54	.50	.57	.52	.48	.46
5.0	.61	.52	.46	.60	.51	.45	.57	.50	.44	.54	.48	.43	.51	.46	.42	.39
6.0	.55	.46	.40	.54	.45	.39	.51	.44	.38	.49	.42	.37	.46	.41	.36	.34
7.0	.50	.41	.35	.49	.40	.34	.46	.39	.34	.44	.38	.33	.42	.36	.32	.30
8.0	.45	.37	.31	.44	.36	.31	.42	.35	.30	.40	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.28	.40	.33	.27	.39	.32	.27	.37	.31	.26	.35	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.34	.28	.24	.33	.27	.23	.21



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

WEC AND CCEC

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coefficients(WEC)												
0.0																
1.0	.315	.179	.057	.306	.174	.055	.288	.165	.053	.271	.156	.050	.256	.148	.048	
2.0	.290	.159	.049	.281	.155	.048	.265	.148	.046	.251	.141	.044	.237	.134	.042	
3.0	.267	.142	.043	.259	.139	.042	.245	.133	.040	.232	.127	.039	.219	.121	.038	
4.0	.246	.128	.038	.239	.125	.037	.226	.120	.036	.214	.115	.035	.203	.110	.034	
5.0	.228	.116	.034	.222	.114	.033	.210	.109	.032	.199	.105	.031	.189	.101	.030	
6.0	.212	.106	.030	.206	.104	.030	.196	.100	.029	.186	.097	.028	.177	.093	.028	
7.0	.197	.097	.028	.192	.096	.027	.183	.092	.027	.174	.089	.026	.165	.086	.025	
8.0	.184	.090	.025	.180	.089	.025	.171	.086	.024	.163	.083	.024	.155	.080	.023	
9.0	.173	.084	.023	.169	.082	.023	.161	.080	.023	.153	.077	.022	.146	.074	.021	
10.0	.163	.078	.022	.159	.077	.021	.152	.074	.021	.145	.072	.020	.138	.070	.020	

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.252	.252	.252	.216	.216	.216	.147	.147	.147	.085	.085	.085	.027	.027	.027	
1.0	.243	.219	.196	.208	.188	.169	.142	.129	.117	.082	.075	.068	.026	.024	.022	
2.0	.235	.195	.161	.201	.168	.139	.138	.116	.097	.079	.067	.057	.025	.022	.019	
3.0	.227	.177	.138	.195	.153	.120	.134	.106	.084	.077	.062	.049	.025	.020	.016	
4.0	.220	.164	.122	.188	.142	.106	.130	.099	.075	.075	.058	.044	.024	.019	.015	
5.0	.212	.154	.111	.182	.133	.097	.126	.093	.068	.073	.055	.041	.023	.018	.013	
6.0	.205	.146	.103	.177	.126	.090	.122	.088	.064	.071	.052	.038	.023	.017	.012	
7.0	.199	.139	.097	.171	.121	.085	.118	.085	.060	.069	.050	.036	.022	.016	.012	
8.0	.193	.134	.093	.166	.116	.081	.115	.081	.058	.067	.048	.034	.022	.016	.011	
9.0	.187	.129	.090	.161	.112	.078	.111	.079	.055	.065	.046	.033	.021	.015	.011	
10.0	.181	.125	.087	.156	.108	.076	.108	.076	.054	.063	.045	.032	.020	.015	.011	

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:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 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	17.7	19.1	18.1	19.5	19.8	17.0	18.4	17.4	18.8	19.1
	3H	18.0	19.2	18.4	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	4H	18.6	19.8	19.0	20.2	20.6	17.8	19.0	18.2	19.4	19.8
	6H	19.7	20.9	20.2	21.3	21.7	18.5	19.6	18.9	20.0	20.5
	8H	20.1	21.2	20.6	21.6	22.1	18.7	19.8	19.1	20.2	20.7
	12H	20.5	21.5	20.9	22.0	22.4	19.0	20.0	19.4	20.5	20.9
4H	2H	17.7	18.9	18.1	19.3	19.8	17.1	18.4	17.6	18.8	19.2
	3H	18.2	19.3	18.7	19.7	20.2	17.5	18.6	18.0	19.0	19.5
	4H	19.4	20.4	19.9	20.8	21.3	18.5	19.4	19.0	19.9	20.4
	6H	20.9	21.8	21.5	22.3	22.8	19.4	20.2	19.9	20.7	21.3
	8H	21.4	22.2	22.0	22.8	23.3	19.7	20.5	20.3	21.0	21.6
	12H	21.9	22.6	22.4	23.1	23.7	20.1	20.9	20.7	21.4	22.0
8H	4H	19.9	20.7	20.4	21.2	21.7	19.0	19.8	19.6	20.3	20.9
	6H	21.6	22.3	22.2	22.8	23.4	20.1	20.8	20.7	21.3	21.9
	8H	22.3	22.9	22.9	23.5	24.1	20.6	21.2	21.2	21.8	22.4
	12H	23.0	23.5	23.6	24.0	24.7	21.2	21.7	21.8	22.3	22.9
12H	4H	19.9	20.6	20.4	21.2	21.7	19.2	19.9	19.7	20.4	21.0
	6H	21.7	22.3	22.3	22.8	23.5	20.3	20.9	20.9	21.5	22.1
	8H	22.5	23.0	23.1	23.6	24.2	20.9	21.4	21.5	22.0	22.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.2					+ 0.3 / - 0.3					
1.5H	+ 0.7 / - 0.9					+ 1.0 / - 0.8					
2.0H	+ 1.1 / - 0.6					+ 1.3 / - 0.9					

CIE Pub.117, 442.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.8)
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:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 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	52	40	33	51	40	33	50	39	32	25
0.80	63	51	43	62	50	43	59	49	42	35
1.00	73	61	54	71	60	53	68	61	52	44
1.25	80	69	62	78	68	61	75	66	60	52
1.50	85	75	68	83	74	67	79	71	65	56
2.00	92	83	77	90	82	75	85	79	73	64
2.50	96	88	81	93	86	80	88	82	77	67
3.00	99	92	86	96	90	84	91	86	81	71
4.00	103	97	92	100	94	90	94	90	86	75
5.00	105	100	95	102	97	93	96	92	89	77
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

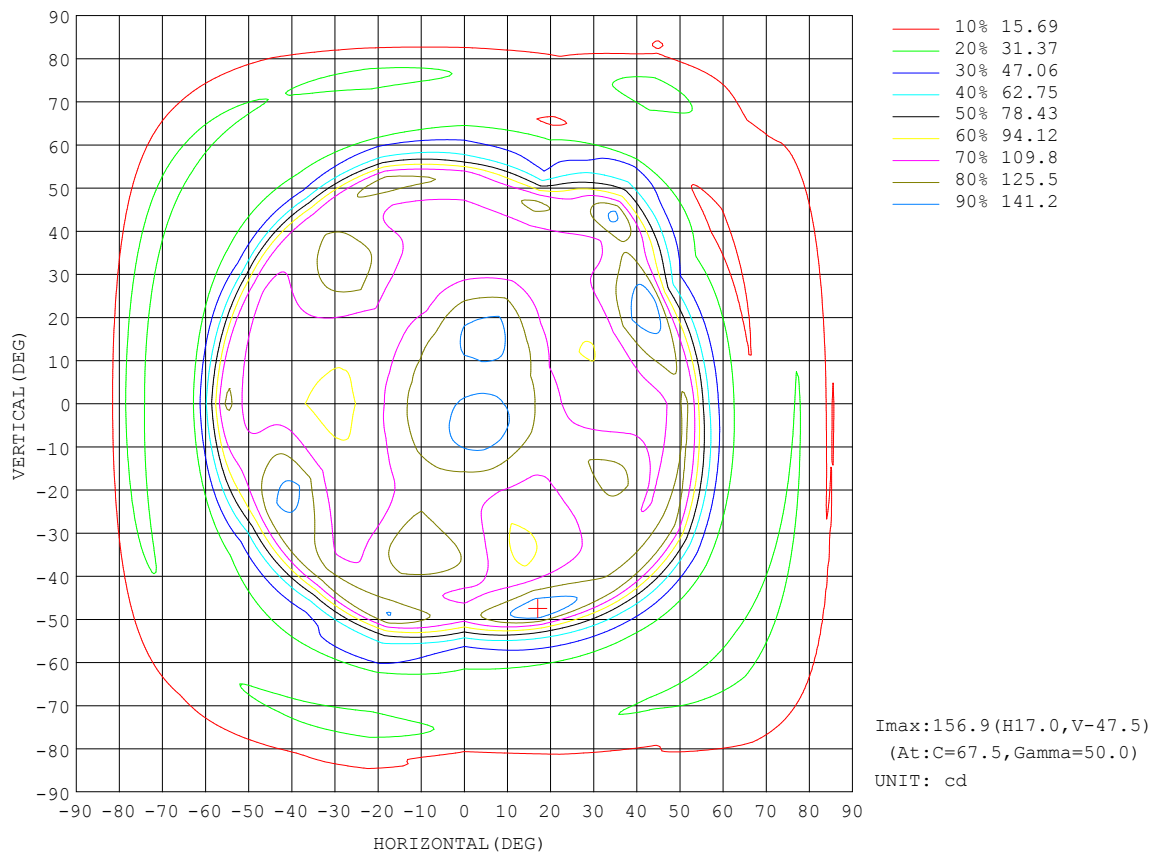
Assessor: Akin Xu



ROSS GARDAM

ISOCANDELA DIAGRAM

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz		
Lamp Flux:442.823x1 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

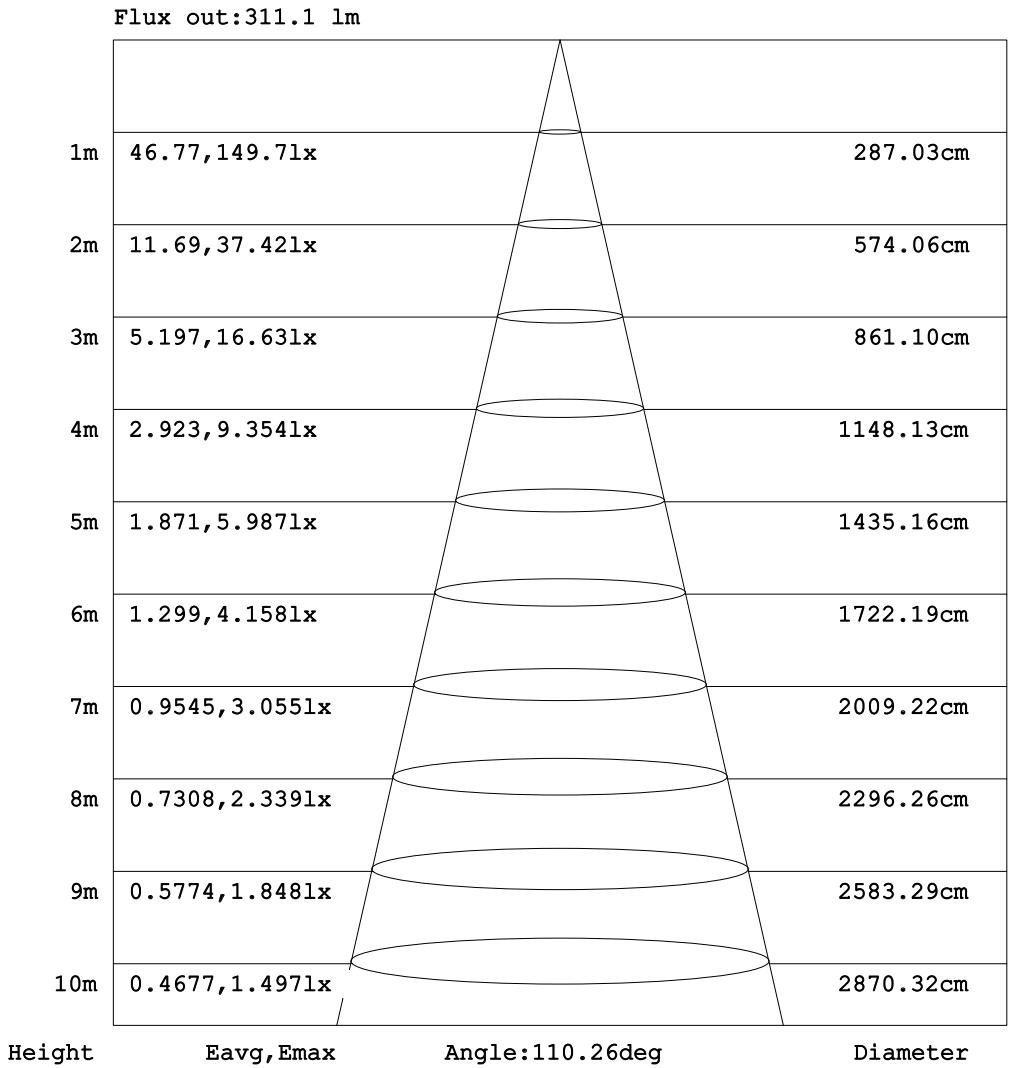
Assessor: Akin Xu



ROSS GARDAM

AAI Figure

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 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

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

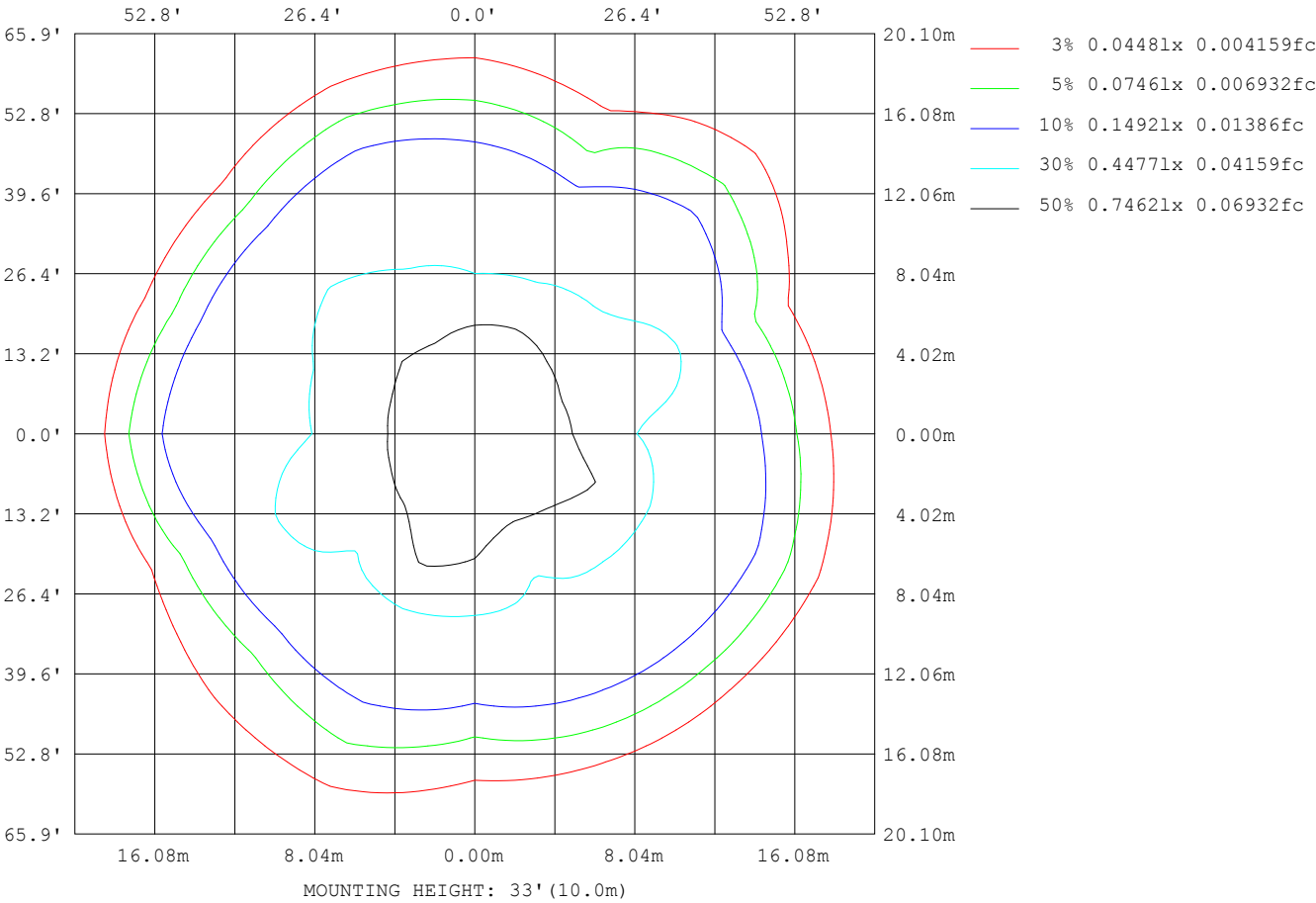
Assessor: Akin Xu



ROSS GARDAM

ISOLUX DIAGRAM

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 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

LED Avg.L Report

Test:U:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	1391
L_0~180 (75) av	3530
L_0~180 (85) av	5037
L_90~270 (65) av	1518
L_90~270 (75) av	3049
L_90~270 (85) av	3887
L_45 (65) av	1511
L_45 (75) av	3646
L_45 (85) av	4488

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

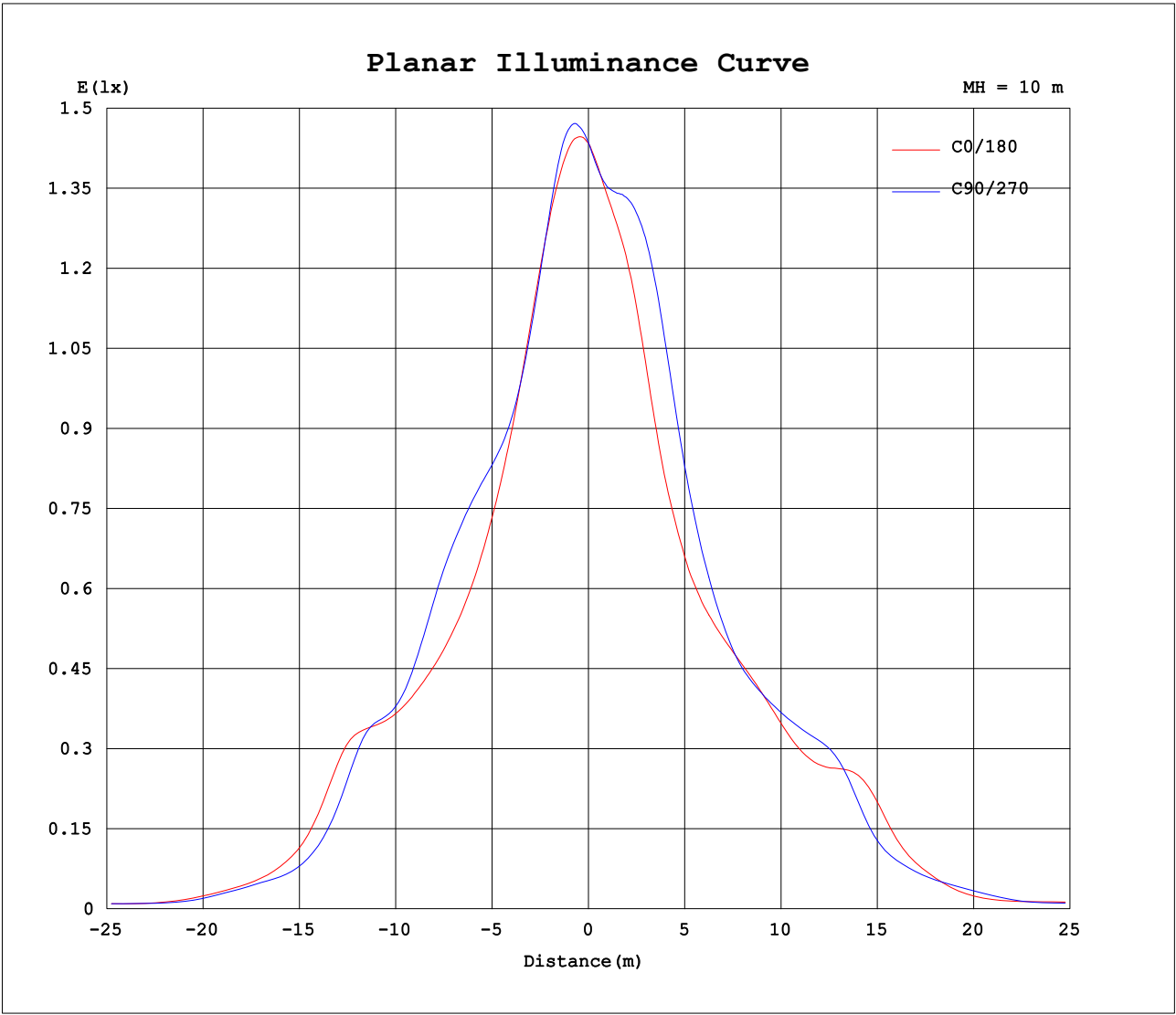
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

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:230.10V I:0.0254A P:5.3154W PF:0.9087 Freq:50.00Hz Lamp Flux:442.823x1 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	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143			
5	145	149	151	151	148	145	141	138	136	136	136	137	137	138	140	142			
10	140	144	146	146	142	138	133	131	131	131	133	137	140	141	139	137			
15	129	131	130	130	128	128	126	123	121	121	124	132	143	147	138	130			
20	116	120	115	115	116	120	117	109	105	107	111	119	137	145	128	114			
25	105	118	108	103	115	123	107	97.9	94.4	97.9	106	106	121	130	111	100			
30	97.8	124	107	93.7	120	132	99.0	96.3	90.1	96.3	110	101	106	111	102	93.4			
35	95.0	131	107	88.4	124	139	95.4	106	92.3	99.9	125	105	96.8	98.4	103	98.5			
40	96.6	131	110	94.4	118	133	98.5	130	97.3	104	138	110	95.6	98.0	107	123			
45	103	113	111	121	107	115	111	148	98.3	104	136	104	104	117	103	152			
50	125	117	125	158	113	139	129	133	102	104	123	117	119	119	124	126			
55	83.7	120	101	79.1	56.2	91.2	67.2	76.8	128	104	96.3	124	93.7	52.9	133	53.8			
60	41.8	53.6	46.1	40.4	36.5	54.1	44.9	39.1	61.0	42.5	41.5	56.8	51.2	38.0	67.1	33.0			
65	19.8	23.4	18.3	17.5	16.5	25.9	20.6	16.3	20.9	17.6	16.9	24.0	27.9	20.3	32.6	17.1			
70	24.4	27.1	22.1	20.2	19.2	24.5	22.9	18.5	19.4	20.2	19.0	18.6	24.4	18.5	24.0	17.2			
75	27.2	35.7	33.6	26.7	25.9	41.9	36.1	25.4	36.1	33.7	27.1	34.8	28.8	21.9	33.9	20.2			
80	22.2	28.1	20.3	18.4	16.9	24.6	20.8	17.3	23.1	20.8	23.0	24.4	25.0	18.0	29.6	16.1			
85	15.5	17.1	12.4	12.9	11.5	15.7	11.1	9.37	14.9	13.9	14.6	15.4	12.0	10.5	16.0	10.5			
90	8.73	8.71	6.96	7.15	6.43	10.7	9.72	8.45	4.97	6.33	6.47	7.64	9.01	8.12	6.33	7.21			
95	5.64	4.93	4.16	4.28	4.31	5.49	4.88	4.60	4.93	5.13	4.99	5.84	7.30	6.35	5.86	5.48			
100	7.46	5.06	4.70	4.79	4.66	7.51	5.90	5.31	5.11	6.27	5.30	6.57	8.18	7.92	7.20	6.85			
105	7.04	4.44	4.14	4.16	4.33	6.70	5.63	5.09	6.25	6.32	4.76	7.49	8.36	7.05	7.34	5.69			
110	4.80	3.36	3.24	3.12	3.34	3.86	4.71	4.18	3.41	3.69	3.78	5.46	5.89	4.09	5.20	3.79			
115	2.85	2.69	2.42	2.42	2.64	2.79	2.76	2.83	2.77	2.76	3.00	3.19	3.33	3.25	3.28	3.03			
120	2.31	2.26	2.17	2.07	2.16	2.28	2.26	2.36	2.35	2.31	2.53	2.68	2.78	2.73	2.81	2.49			
125	2.08	2.08	2.04	1.94	1.94	1.99	2.00	2.08	2.07	2.05	2.22	2.36	2.42	2.37	2.52	2.16			
130	2.00	2.00	1.96	1.90	1.91	1.90	1.91	1.92	1.89	1.86	2.05	2.10	2.18	2.18	2.26	2.17			
135	2.40	2.17	2.23	2.48	2.51	2.12	2.55	2.20	1.92	1.92	2.05	2.02	2.18	2.43	2.22	3.02			
140	4.37	3.53	4.37	4.63	4.56	3.28	4.34	3.64	2.72	3.20	3.16	2.55	2.92	3.68	2.74	4.03			
145	6.75	6.89	7.03	6.44	6.65	6.51	6.96	6.39	5.46	5.61	6.11	4.77	4.91	5.27	5.12	6.04			
150	9.12	10.6	9.56	9.14	9.12	9.80	9.65	9.43	8.95	8.32	9.90	8.59	7.83	7.77	9.45	8.44			
155	13.2	15.5	14.5	13.3	12.7	14.8	12.8	13.2	13.4	13.7	15.9	13.9	12.0	11.3	14.2	11.5			
160	17.7	20.0	19.5	17.7	18.5	21.5	18.2	18.2	17.7	19.8	21.6	19.6	19.0	16.8	18.6	15.8			
165	19.5	21.9	22.3	20.5	22.8	24.1	21.8	21.6	21.5	21.5	22.8	22.5	23.0	20.4	20.2	18.1			
170	15.8	16.4	18.2	17.5	17.8	18.8	17.5	17.5	17.6	17.8	18.2	18.6	18.5	15.6	14.6	14.7			
175	8.03	8.89	9.08	9.76	9.79	10.3	10.6	10.6	12.1	11.9	11.3	11.7	11.0	8.92	8.06	7.86			
180	0.25	0.23	0.23	0.23	0.24	0.26	0.25	0.35	0.25	0.23	0.23	0.24	0.24	0.26	0.25	0.35			

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

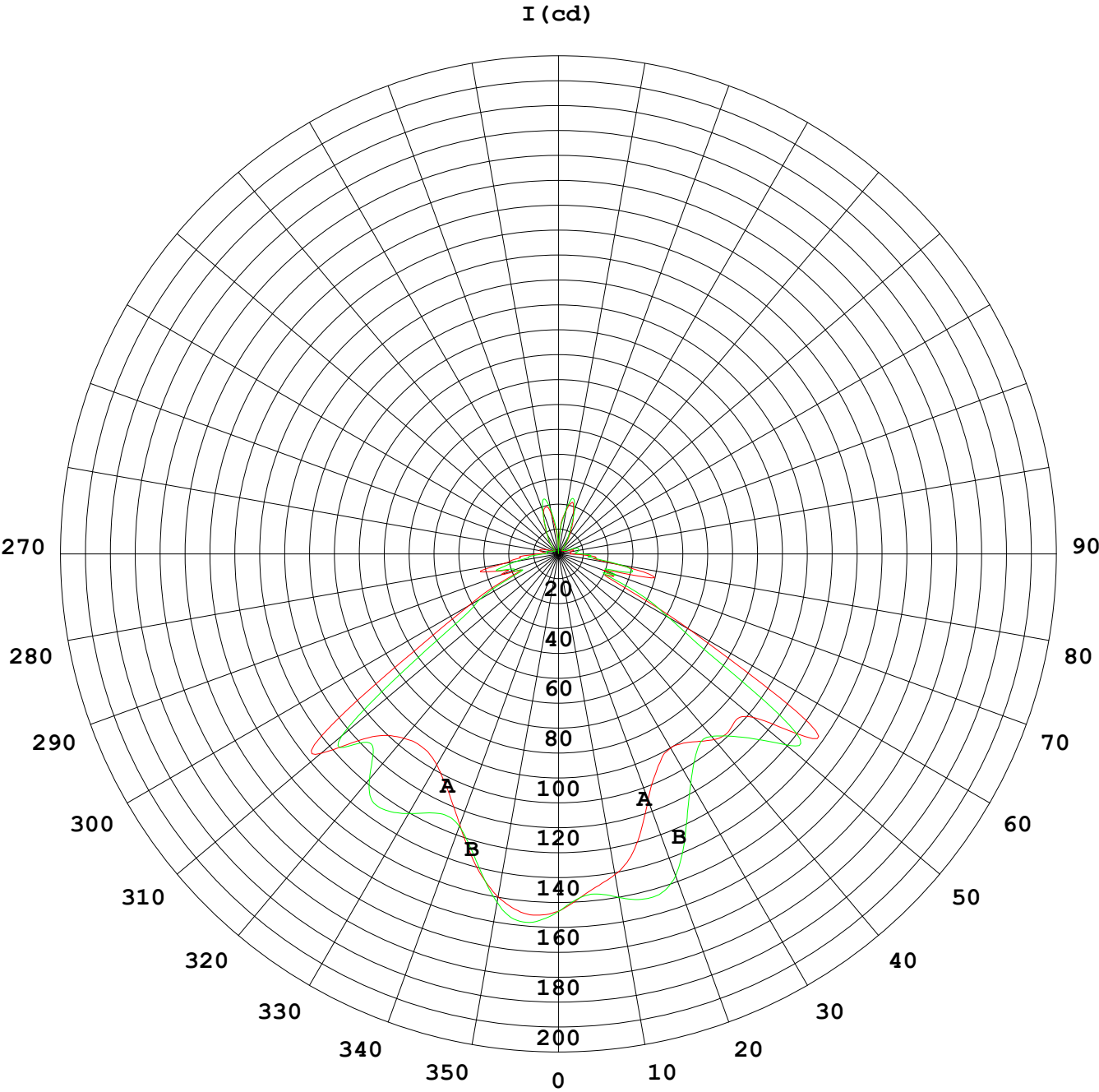
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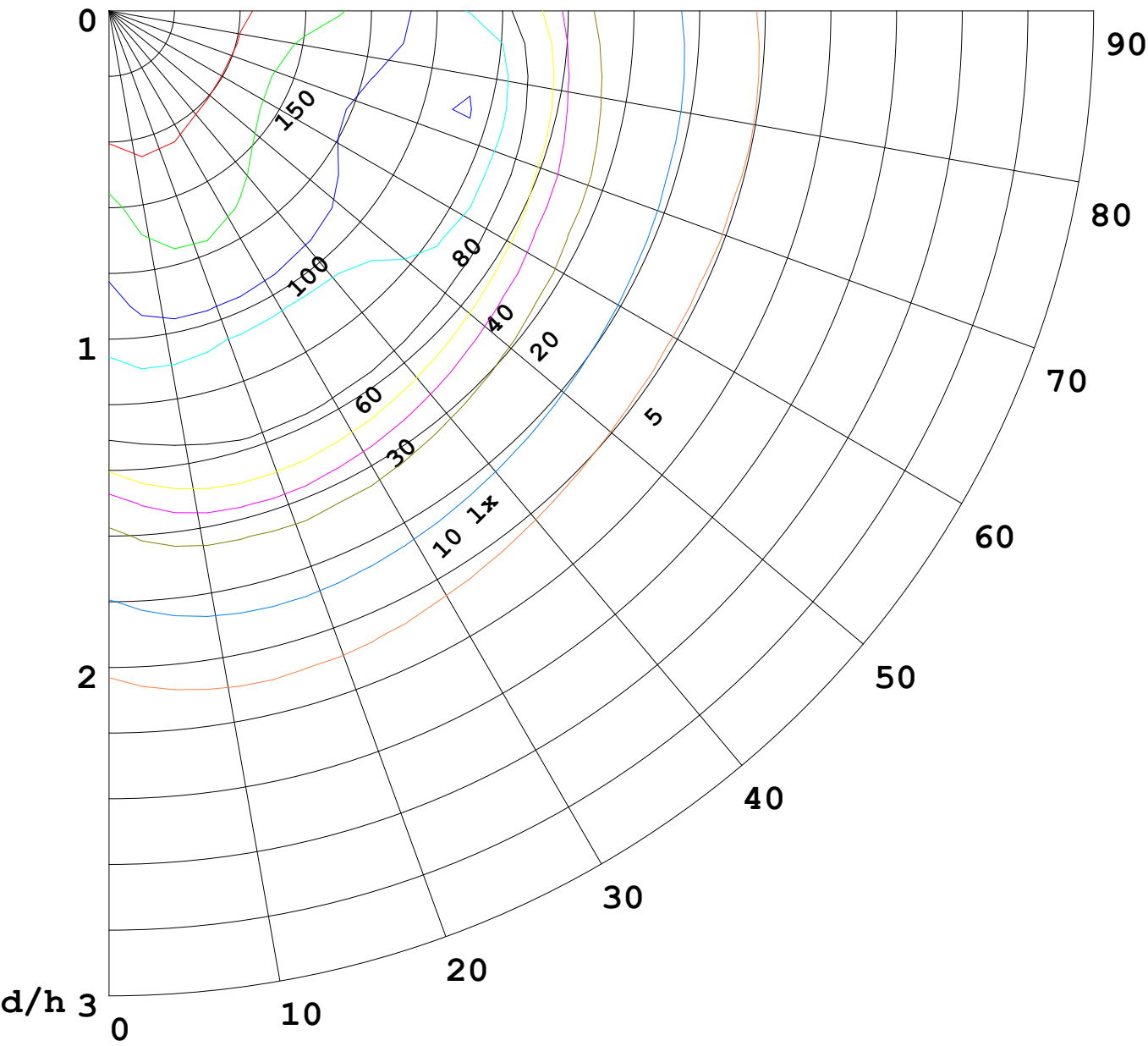


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1000 lm $K = 1$



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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

