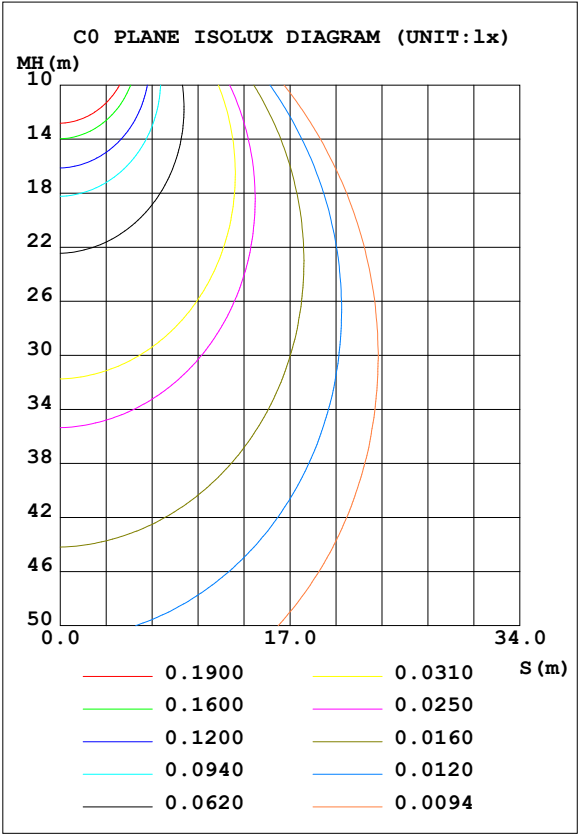
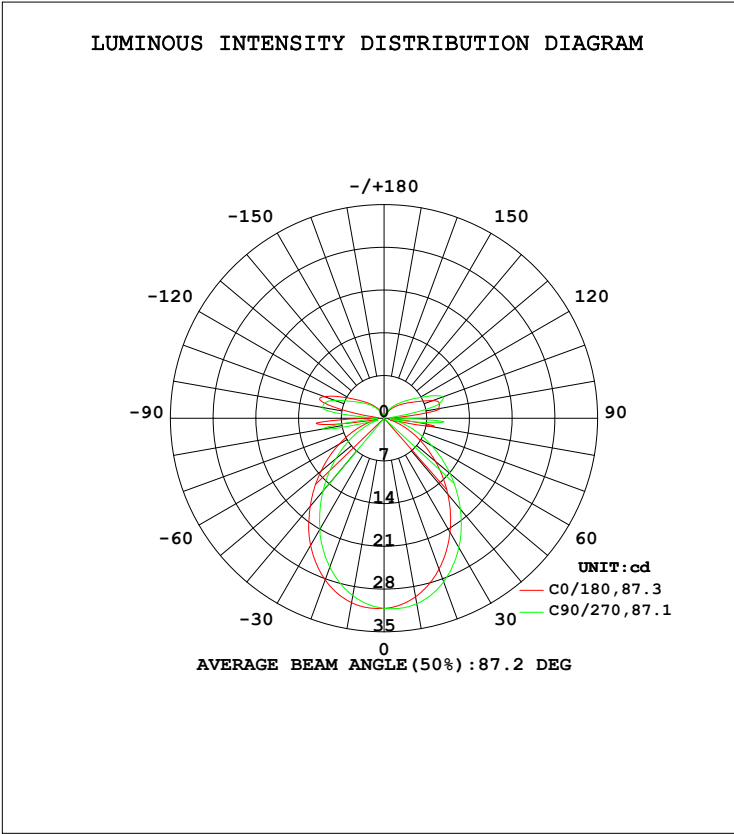


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz		
Lamp Flux:99.2451x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 8.62 lm/W
MODEL	Light-Black glass	Imax(cd)	31.31	S/MH(C0/180)	1.16	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.05	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	99.245	η UP,DN(C0-180)	14.7,36.7	
NOMINAL FLUX(lm)	99.2451	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.4,33.2	
LAMPS INSIDE	1	η up (%)	30.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	69.9	CIBSE SHR MAX	1.25	



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

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	29.70	30.32	30.86	30.99	30.69	30.04	29.52	29.40	0- 10	2.929	2.929	2.95,2.95
20	26.33	27.48	28.52	28.82	28.20	26.94	25.98	25.79	10- 20	8.139	11.07	11.2,11.2
30	21.61	23.08	24.48	24.89	24.07	22.39	21.05	20.78	20- 30	11.57	22.64	22.8,22.8
40	16.28	17.88	19.46	19.90	18.83	16.96	15.58	15.34	30- 40	12.62	35.26	35.5,35.5
50	11.01	12.57	14.15	14.55	13.49	11.68	10.33	10.11	40- 50	11.45	46.71	47.1,47.1
60	6.280	7.726	9.061	9.398	8.505	6.957	5.720	5.589	50- 60	8.710	55.42	55.8,55.8
70	2.469	3.555	4.742	4.929	4.252	2.957	2.089	1.831	60- 70	5.250	60.67	61.1,61.1
80	7.604	1.914	1.255	1.447	1.503	7.602	10.28	8.700	70- 80	3.043	63.71	64.2,64.2
90	0.8775	0.8928	3.010	4.601	3.144	1.124	1.077	1.043	80- 90	5.649	69.36	69.9,69.9
100	9.219	6.955	4.060	3.093	5.009	9.264	10.20	9.039	90-100	3.450	72.81	73.4,73.4
110	8.488	9.281	10.29	10.10	10.38	10.06	8.588	7.964	100-110	9.934	82.74	83.4,83.4
120	5.253	6.026	6.838	6.768	6.618	6.104	5.410	5.076	110-120	7.675	90.42	91.1,91.1
130	3.492	3.982	4.336	4.320	4.223	3.969	3.663	3.446	120-130	4.404	94.82	95.5,95.5
140	2.256	2.589	2.819	2.881	2.728	2.607	2.359	2.200	130-140	2.510	97.33	98.1,98.1
150	1.275	1.458	1.650	1.708	1.582	1.476	1.283	1.209	140-150	1.264	98.59	99.3,99.3
160	0.6315	0.7146	0.8179	0.8219	0.7585	0.6824	0.5808	0.5746	150-160	0.4934	99.09	99.8,99.8
170	0.2808	0.2875	0.3581	0.3859	0.3472	0.2223	0.1605	0.2215	160-170	0.1400	99.23	100,100
180	0.0515	0.0502	0.0485	0.0482	0.0518	0.0502	0.0485	0.0489	170-180	0.0180	99.25	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 41.245 lm

%lum = 41.6%
%lamp = 41.6%

Conical surface Flux(120deg): 55.416 lm

%lum = 55.8%
%lamp = 55.8%

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

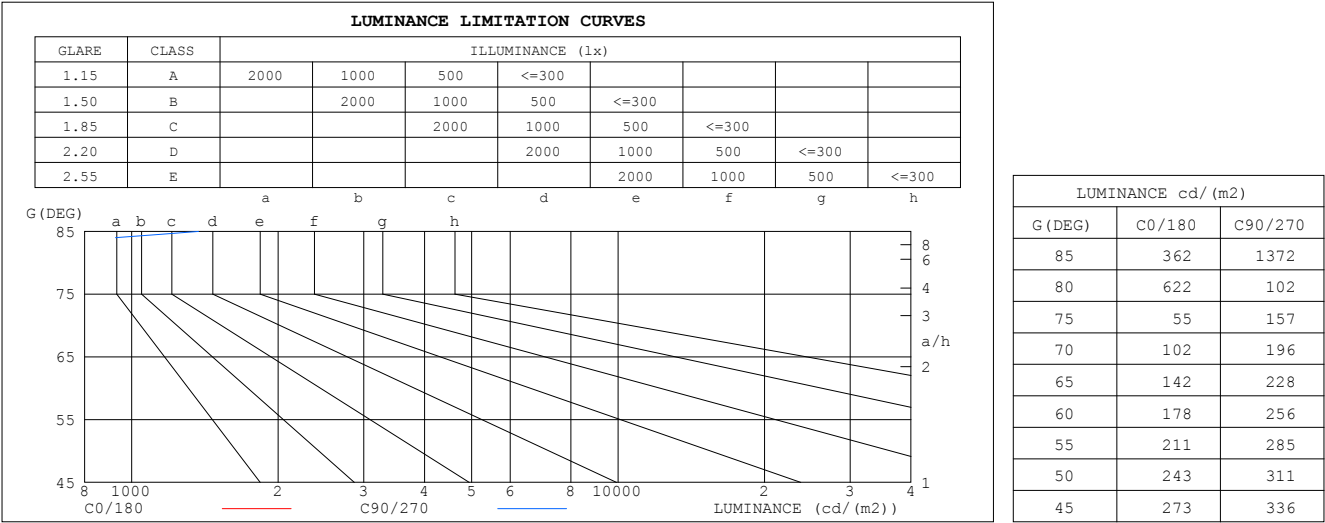
Assessor: Akin Xu



ROSS GARDAM

LUMINANCE LIMITATION CURVES

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 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

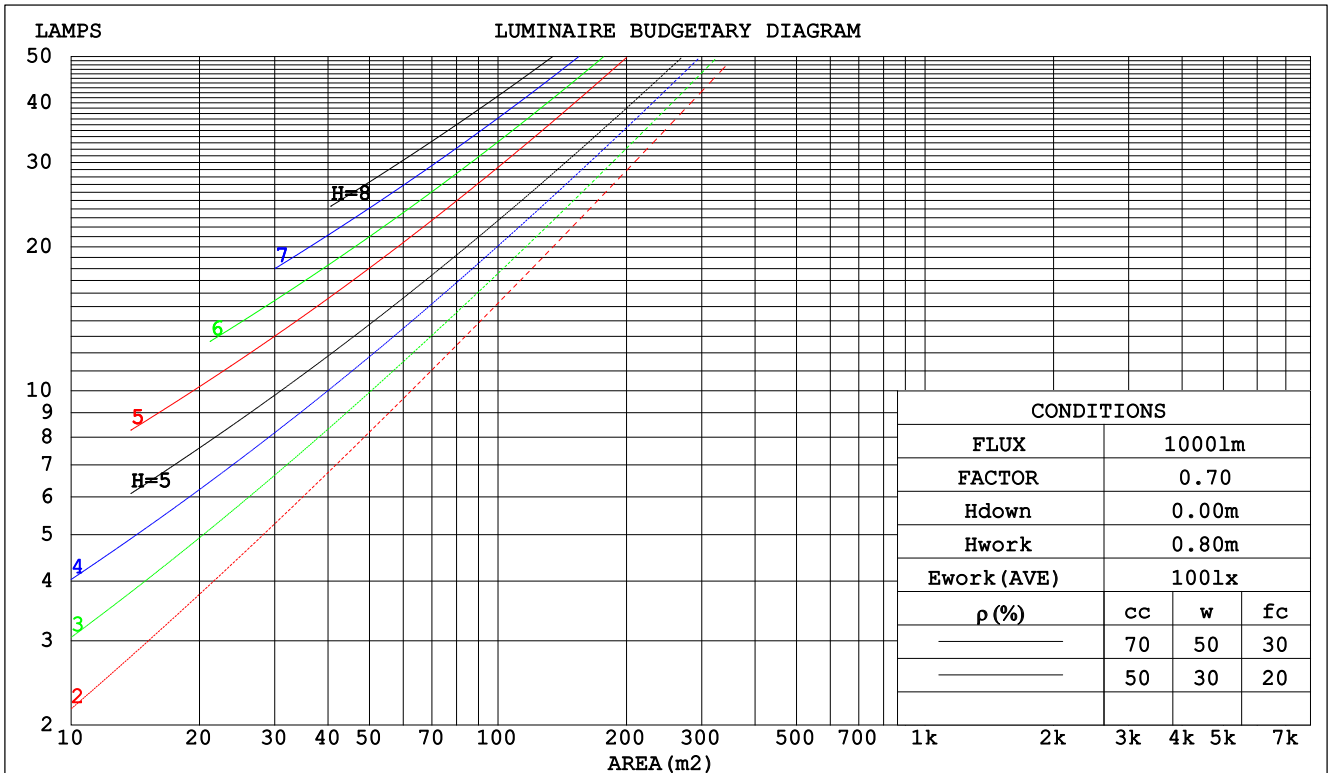


ROSS GARDAM

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz		
Lamp Flux:99.2451x1 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	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	.96	.92	.88	.91	.87	.84	.81	.78	.76	.72	.70	.68	.64	.62	.61	.57
2.0	.85	.78	.73	.80	.74	.69	.72	.67	.63	.64	.61	.57	.57	.54	.52	.48
3.0	.75	.67	.61	.71	.64	.59	.64	.59	.54	.57	.53	.49	.51	.48	.45	.42
4.0	.67	.59	.53	.64	.56	.51	.57	.51	.47	.52	.47	.43	.46	.43	.39	.36
5.0	.60	.52	.46	.57	.50	.44	.52	.46	.41	.47	.42	.38	.42	.38	.35	.32
6.0	.54	.46	.40	.52	.44	.39	.47	.41	.36	.43	.38	.34	.39	.34	.31	.28
7.0	.49	.41	.36	.47	.40	.35	.43	.37	.32	.39	.34	.30	.35	.31	.28	.26
8.0	.45	.37	.32	.43	.36	.31	.40	.33	.29	.36	.31	.27	.33	.28	.25	.23
9.0	.42	.34	.29	.40	.33	.28	.36	.30	.26	.33	.28	.25	.30	.26	.23	.21
10.0	.38	.31	.26	.37	.30	.25	.34	.28	.24	.31	.26	.22	.28	.24	.21	.19



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:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 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	.317	.180	.057	.301	.172	.055	.270	.155	.050	.243	.140	.045	.217	.126	.041	
2.0	.277	.152	.047	.263	.145	.045	.235	.131	.041	.210	.118	.037	.187	.106	.033	
3.0	.251	.133	.040	.238	.127	.038	.213	.115	.035	.190	.104	.032	.168	.093	.029	
4.0	.230	.119	.035	.218	.114	.034	.195	.103	.031	.174	.093	.028	.154	.084	.026	
5.0	.212	.108	.031	.201	.103	.030	.180	.094	.028	.161	.085	.025	.143	.076	.023	
6.0	.196	.098	.028	.186	.094	.027	.167	.086	.025	.150	.078	.023	.133	.070	.021	
7.0	.183	.091	.026	.174	.087	.025	.156	.079	.023	.140	.072	.021	.124	.065	.019	
8.0	.171	.084	.024	.163	.080	.023	.147	.073	.021	.131	.067	.019	.117	.060	.017	
9.0	.161	.078	.022	.153	.075	.021	.138	.068	.019	.124	.062	.018	.110	.056	.016	
10.0	.151	.073	.020	.144	.070	.019	.130	.064	.018	.117	.058	.017	.104	.053	.015	

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	.420	.420	.420	.359	.359	.359	.245	.245	.245	.141	.141	.141	.045	.045	.045	
1.0	.412	.387	.365	.353	.333	.314	.241	.229	.217	.139	.132	.126	.044	.043	.041	
2.0	.403	.365	.333	.345	.314	.288	.237	.217	.201	.136	.126	.118	.044	.041	.038	
3.0	.395	.348	.311	.339	.300	.270	.232	.209	.189	.134	.122	.112	.043	.040	.037	
4.0	.387	.336	.296	.332	.290	.257	.228	.202	.181	.132	.118	.107	.043	.039	.035	
5.0	.380	.326	.286	.326	.282	.249	.225	.197	.176	.130	.116	.104	.042	.038	.034	
6.0	.373	.318	.278	.321	.275	.242	.221	.193	.171	.128	.113	.102	.041	.037	.034	
7.0	.367	.311	.273	.315	.270	.238	.218	.189	.168	.127	.112	.100	.041	.037	.033	
8.0	.361	.306	.268	.311	.265	.234	.215	.186	.166	.125	.110	.099	.040	.036	.033	
9.0	.355	.301	.265	.306	.262	.231	.212	.184	.164	.123	.109	.098	.040	.036	.032	
10.0	.350	.297	.262	.302	.258	.229	.209	.182	.163	.122	.107	.097	.040	.035	.032	

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:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 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	4.9	6.0	5.6	6.7	7.4	6.1	7.2	6.8	7.9	8.6	
	3H	5.4	6.4	6.1	7.1	7.9	7.1	8.1	7.7	8.7	9.5
	4H	5.4	6.4	6.1	7.1	7.9	7.3	8.3	8.0	9.0	9.8
	6H	7.8	8.7	8.6	9.4	10.3	7.4	8.3	8.1	9.0	9.8
	8H	10.2	11.0	10.9	11.8	12.6	7.8	8.6	8.5	9.4	10.2
	12H	10.8	11.6	11.5	12.3	13.2	11.1	11.9	11.8	12.6	13.5
4H 2H	5.3	6.2	6.0	6.9	7.7	6.3	7.2	7.0	7.9	8.7	
	3H	5.9	6.7	6.6	7.4	8.3	7.3	8.1	8.1	8.9	9.7
	4H	6.0	6.7	6.7	7.4	8.3	7.6	8.4	8.4	9.1	10.0
	6H	8.8	9.5	9.6	10.3	11.2	7.7	8.4	8.5	9.2	10.1
	8H	11.6	12.2	12.4	13.0	14.0	8.6	9.2	9.4	10.0	10.9
	12H	12.4	12.9	13.2	13.7	14.7	12.6	13.2	13.4	14.0	15.0
8H 4H	5.9	6.5	6.7	7.3	8.3	7.5	8.1	8.3	8.9	9.9	
	6H	9.7	10.2	10.5	11.0	12.0	7.9	8.4	8.7	9.2	10.2
	8H	13.0	13.4	13.8	14.3	15.3	9.8	10.2	10.6	11.1	12.1
	12H	14.0	14.4	14.8	15.2	16.3	14.4	14.8	15.3	15.7	16.7
12H 4H	6.0	6.5	6.8	7.3	8.3	7.7	8.3	8.6	9.1	10.1	
	6H	10.2	10.7	11.1	11.5	12.5	8.9	9.3	9.7	10.1	11.2
	8H	13.6	14.0	14.5	14.8	15.9	11.2	11.6	12.1	12.5	13.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3					
1.5H	+ 0.3 / - 0.3					+ 0.4 / - 0.5					
2.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.8					

CIE Pub.117, 99.25 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -8.0)
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:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 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	51	40	33	49	39	33	47	38	32	26
0.80	60	48	41	58	47	41	55	45	39	32
1.00	68	56	49	65	55	48	61	54	46	37
1.25	74	63	56	71	61	54	66	58	52	42
1.50	79	68	61	76	66	59	70	62	56	45
2.00	86	76	69	82	73	67	75	68	62	49
2.50	89	81	74	85	77	71	77	71	66	51
3.00	93	85	78	88	81	75	80	74	70	54
4.00	97	90	84	92	86	81	83	78	74	57
5.00	99	93	88	94	89	84	85	81	77	58
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

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

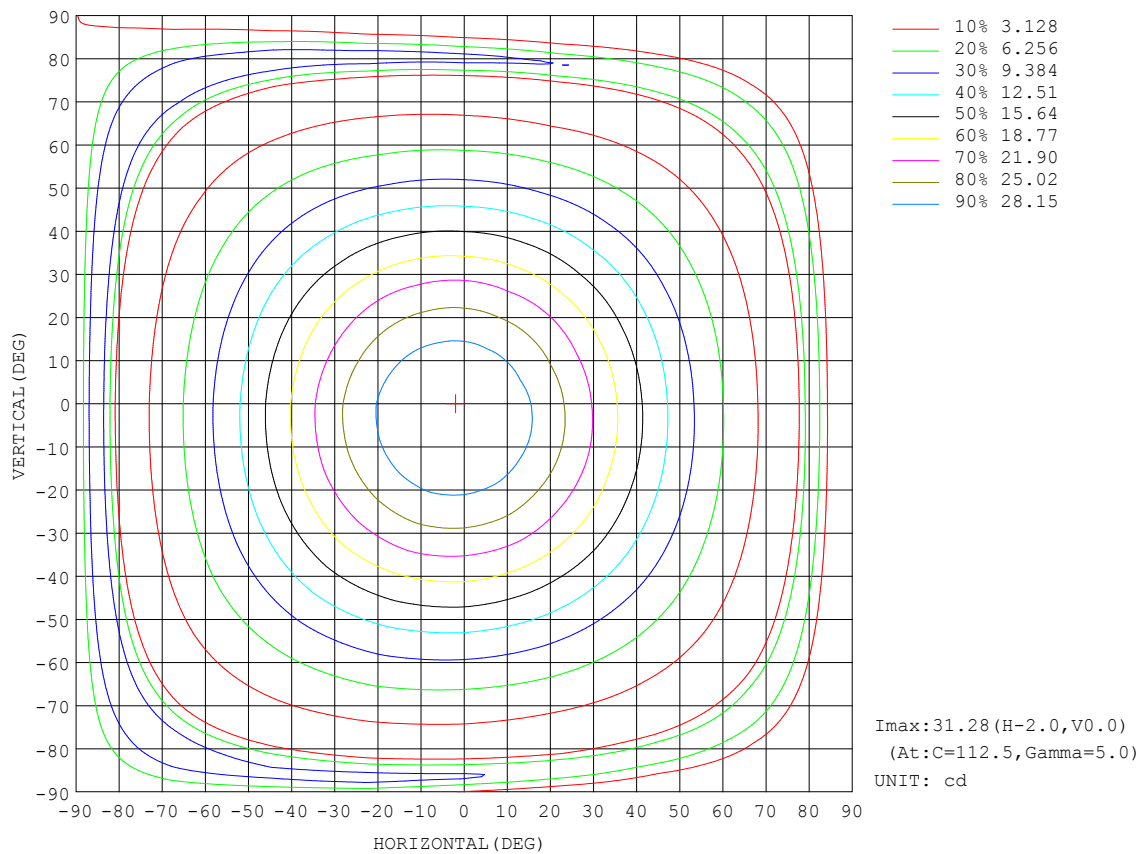
Assessor: Akin Xu



ROSS GARDAM

ISOCANDELA DIAGRAM

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.245lx1 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

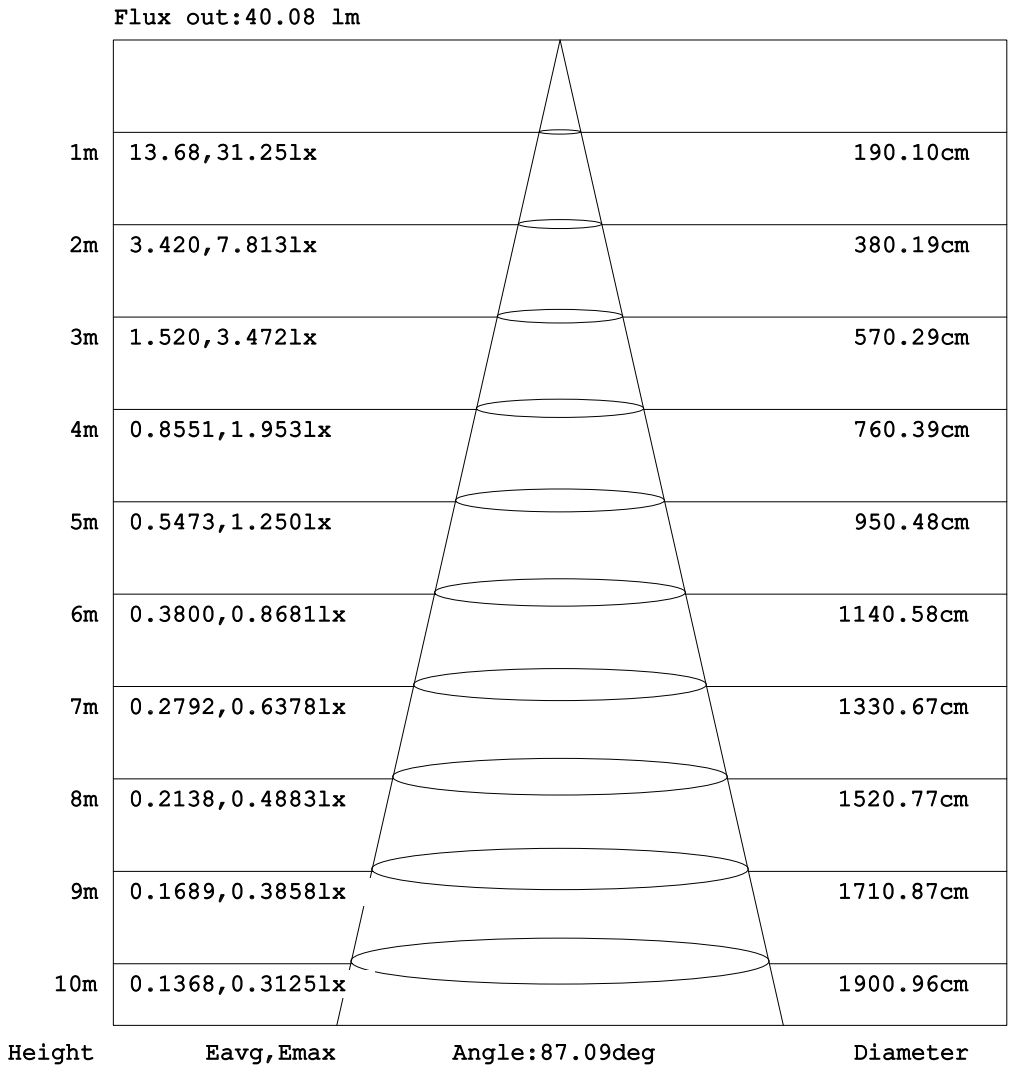
Assessor: Akin Xu



ROSS GARDAM

AAI Figure

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 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.

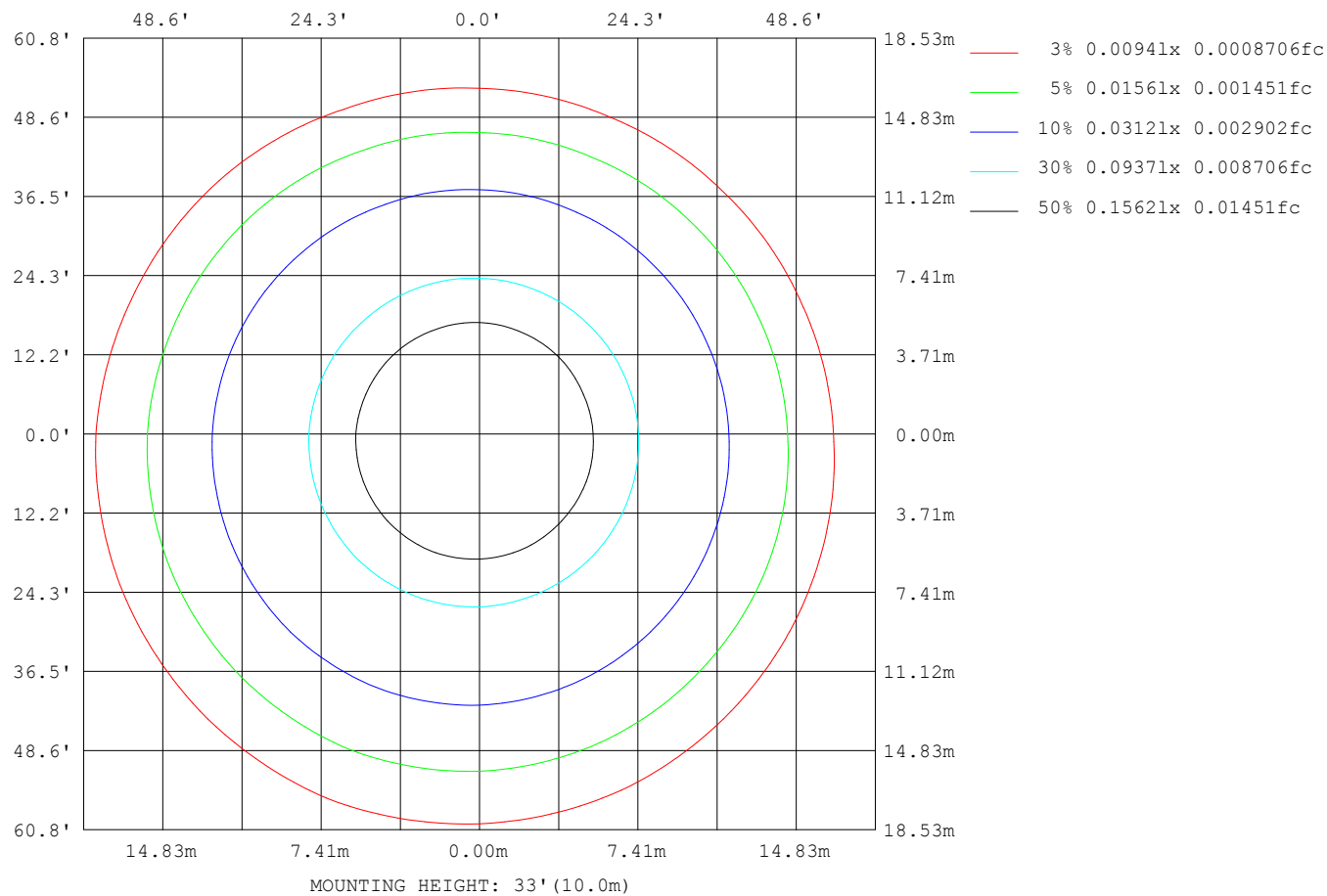
C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Temperature:25.1DEG	Humidity:60.5%
Operators:Wilson	Test Distance:2.617m [K=1.0000]
Test Date:2022-12-02	Remarks: File No.: WT-F-504-3206-01-A
Checker: Near Gao	Assessor: Akin Xu



ROSS GARDAM

ISOLUX DIAGRAM

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz		
Lamp Flux:99.2451x1 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

LED Avg.L Report

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz Lamp Flux:99.2451x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	176
L_0~180 (75) av	94
L_0~180 (85) av	1065
L_90~270 (65) av	177
L_90~270 (75) av	119
L_90~270 (85) av	925
L_45 (65) av	177
L_45 (75) av	103
L_45 (85) av	1015

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

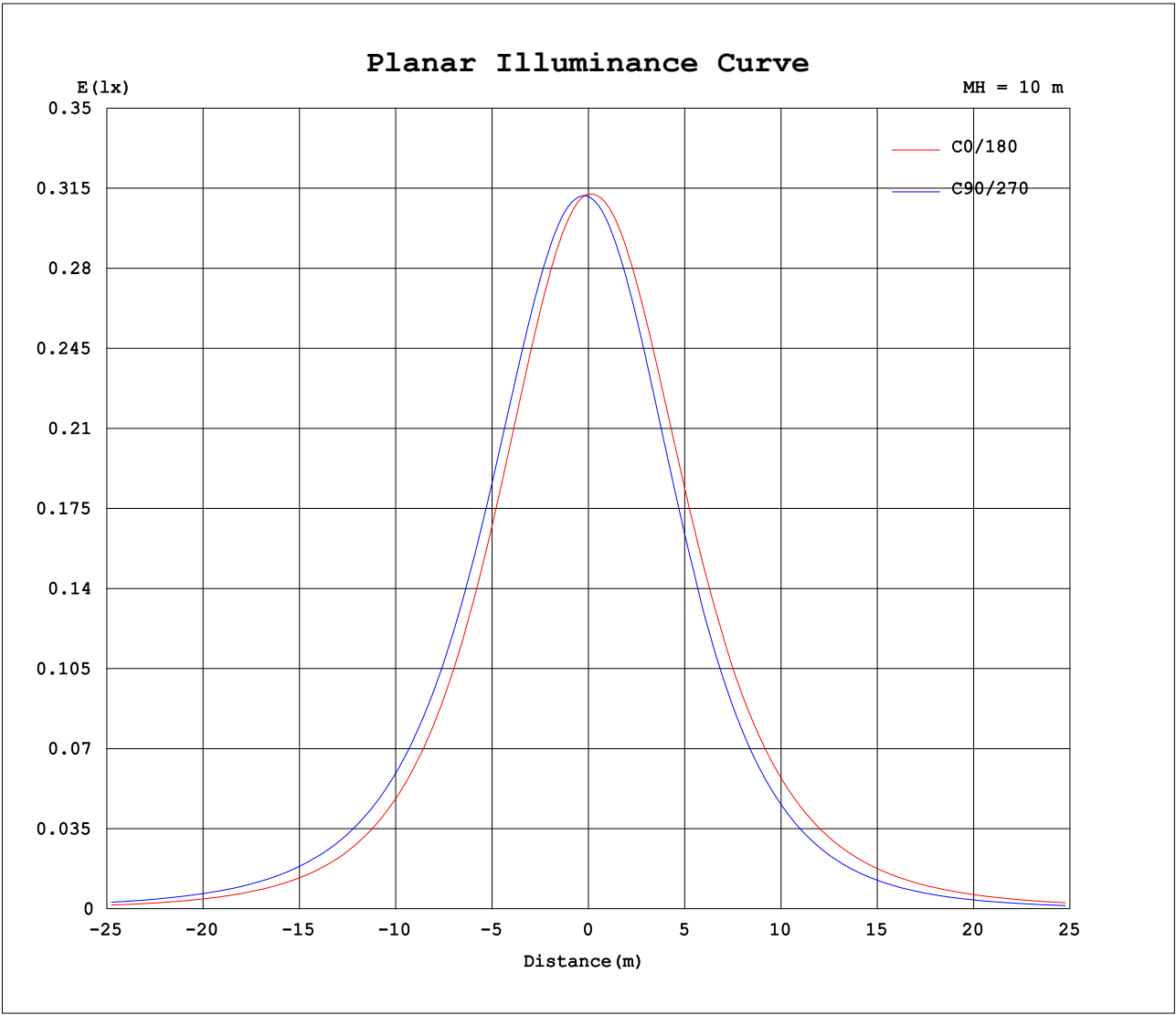
Checker: Near Gao

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:2022-12-02

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.17V I:0.0512A P:11.507W PF:0.9755 Freq:50.00Hz		
Lamp Flux:99.2451x1 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	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2			
5	30.7	30.9	31.0	31.2	31.2	31.3	31.3	31.2	31.1	31.0	30.9	30.7	30.6	30.5	30.6	30.6			
10	29.7	30.0	30.3	30.7	30.9	31.0	31.0	30.9	30.7	30.4	30.0	29.7	29.5	29.4	29.4	29.5			
15	28.2	28.7	29.1	29.6	29.9	30.2	30.2	30.0	29.7	29.2	28.7	28.2	28.0	27.7	27.8	27.9			
20	26.3	26.9	27.5	28.1	28.5	28.8	28.8	28.6	28.2	27.5	26.9	26.3	26.0	25.7	25.8	26.0			
25	24.1	24.8	25.4	26.2	26.7	27.0	27.0	26.8	26.3	25.5	24.8	24.1	23.7	23.4	23.4	23.6			
30	21.6	22.4	23.1	23.9	24.5	24.9	24.9	24.7	24.1	23.2	22.4	21.6	21.1	20.8	20.8	21.1			
35	19.0	19.7	20.5	21.4	22.0	22.5	22.5	22.3	21.6	20.6	19.6	18.9	18.3	18.1	18.1	18.5			
40	16.3	17.0	17.9	18.7	19.5	19.8	19.9	19.5	18.8	17.9	17.0	16.2	15.6	15.4	15.3	15.7			
45	13.6	14.3	15.2	16.0	16.8	17.2	17.2	16.8	16.1	15.2	14.3	13.5	12.9	12.7	12.6	13.1			
50	11.0	11.7	12.6	13.4	14.1	14.5	14.5	14.2	13.5	12.6	11.7	10.9	10.3	10.0	10.1	10.5			
55	8.54	9.29	10.0	10.9	11.6	11.9	11.9	11.5	10.9	10.0	9.23	8.42	7.92	7.67	7.74	8.05			
60	6.28	6.98	7.73	8.50	9.06	9.49	9.40	9.07	8.50	7.68	6.96	6.16	5.72	5.51	5.59	5.86			
65	4.24	4.92	5.60	6.30	6.80	7.18	7.08	6.82	6.30	5.49	4.83	4.19	3.78	3.52	3.66	3.88			
70	2.47	3.04	3.55	4.27	4.74	5.09	4.93	4.71	4.25	3.51	2.96	2.48	2.09	1.77	1.83	2.09			
75	1.01	1.53	1.93	2.33	2.86	3.10	3.03	2.81	2.42	1.77	1.40	1.06	1.49	1.76	1.17	0.79			
80	7.60	5.14	1.91	1.00	1.26	1.53	1.45	1.29	1.50	4.46	7.60	9.92	10.3	9.18	8.70	8.57			
85	2.22	4.00	7.00	8.74	8.45	8.18	8.39	10.1	10.9	11.0	7.75	4.50	2.94	2.07	1.85	1.83			
90	0.88	0.88	0.89	1.52	3.01	4.71	4.60	4.18	3.14	1.75	1.12	1.03	1.08	1.12	1.04	0.98			
95	3.42	1.61	1.10	0.95	0.86	0.85	0.86	0.63	0.98	1.34	1.79	3.67	5.53	6.45	5.89	5.00			
100	9.22	8.28	6.95	5.05	4.06	2.94	3.09	3.71	5.01	7.13	9.26	10.6	10.2	9.53	9.04	9.13			
105	9.40	9.66	9.65	9.43	9.36	9.87	9.94	10.4	10.5	11.3	11.7	11.0	9.96	9.47	9.33	9.33			
110	8.49	8.94	9.28	9.58	10.3	10.7	10.1	10.4	10.4	10.6	10.1	9.22	8.59	8.04	7.96	8.05			
115	6.62	7.22	7.61	8.33	8.77	9.19	8.72	8.92	8.47	8.44	7.84	7.21	6.74	6.36	6.32	6.35			
120	5.25	5.64	6.03	6.47	6.84	7.17	6.77	6.95	6.62	6.41	6.10	5.64	5.41	5.21	5.08	5.10			
125	4.28	4.57	4.86	5.16	5.42	5.60	5.32	5.47	5.22	5.00	4.87	4.56	4.43	4.29	4.18	4.16			
130	3.49	3.77	3.98	4.20	4.34	4.49	4.32	4.38	4.22	4.03	3.97	3.78	3.66	3.52	3.45	3.40			
135	2.84	3.06	3.25	3.45	3.49	3.64	3.54	3.55	3.40	3.30	3.26	3.09	2.99	2.85	2.80	2.77			
140	2.26	2.43	2.59	2.77	2.82	2.95	2.88	2.87	2.73	2.66	2.61	2.47	2.36	2.23	2.20	2.21			
145	1.73	1.85	1.99	2.15	2.20	2.33	2.27	2.23	2.13	2.05	2.00	1.90	1.79	1.67	1.66	1.69			
150	1.28	1.34	1.46	1.59	1.65	1.74	1.71	1.66	1.58	1.50	1.48	1.39	1.28	1.21	1.21	1.23			
155	0.90	0.95	1.02	1.12	1.17	1.24	1.23	1.17	1.11	1.05	1.03	0.96	0.89	0.84	0.84	0.86			
160	0.63	0.66	0.71	0.77	0.82	0.85	0.82	0.81	0.76	0.71	0.68	0.63	0.58	0.57	0.57	0.60			
165	0.44	0.46	0.50	0.51	0.55	0.57	0.58	0.55	0.47	0.45	0.42	0.37	0.36	0.37	0.36	0.40			
170	0.28	0.31	0.29	0.33	0.36	0.37	0.39	0.38	0.35	0.30	0.22	0.18	0.16	0.19	0.22	0.25			
175	0.07	0.13	0.16	0.19	0.22	0.23	0.23	0.15	0.15	0.13	0.11	0.09	0.10	0.11	0.11	0.06			
180	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			

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

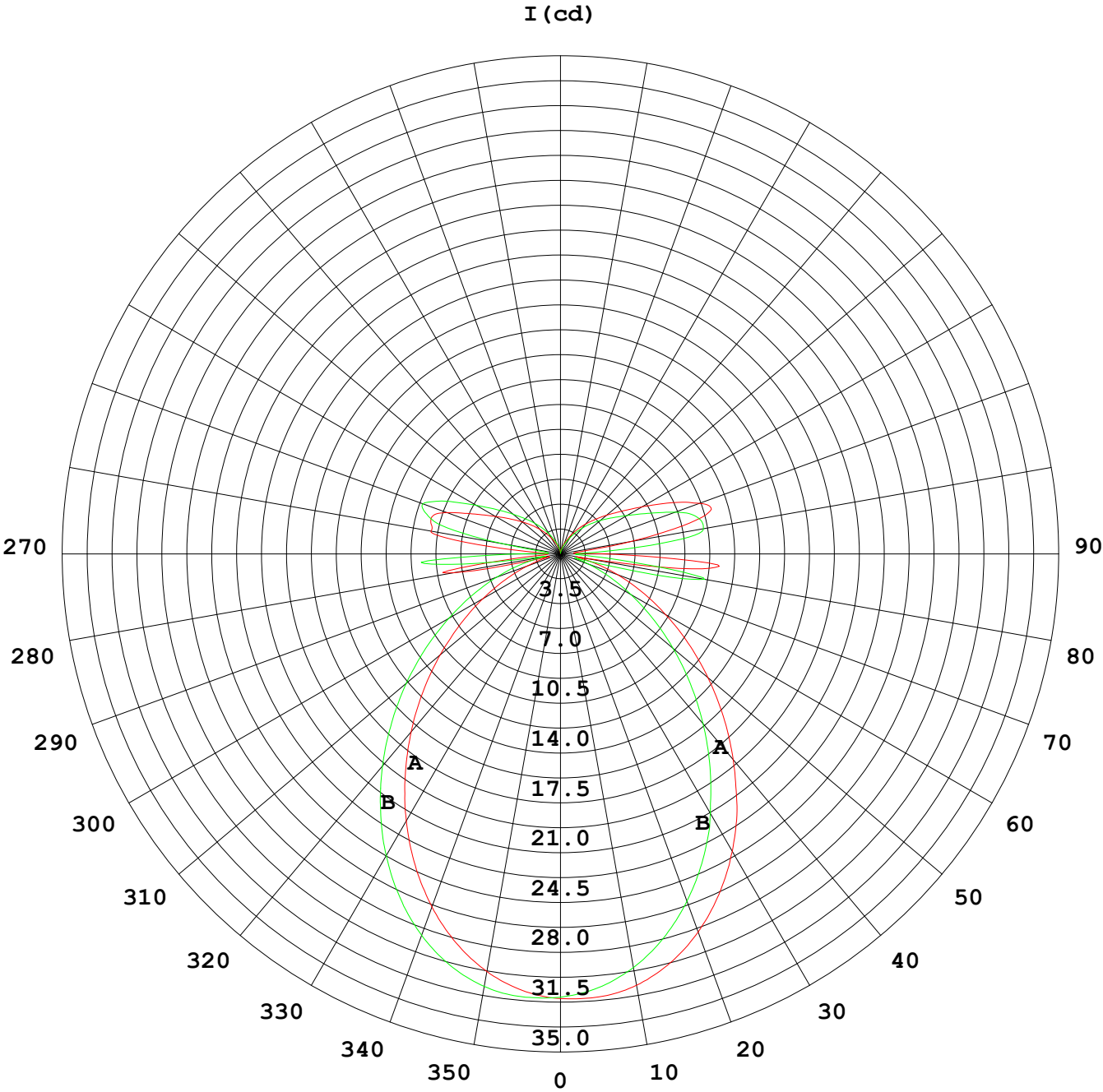
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Checker: Near Gao

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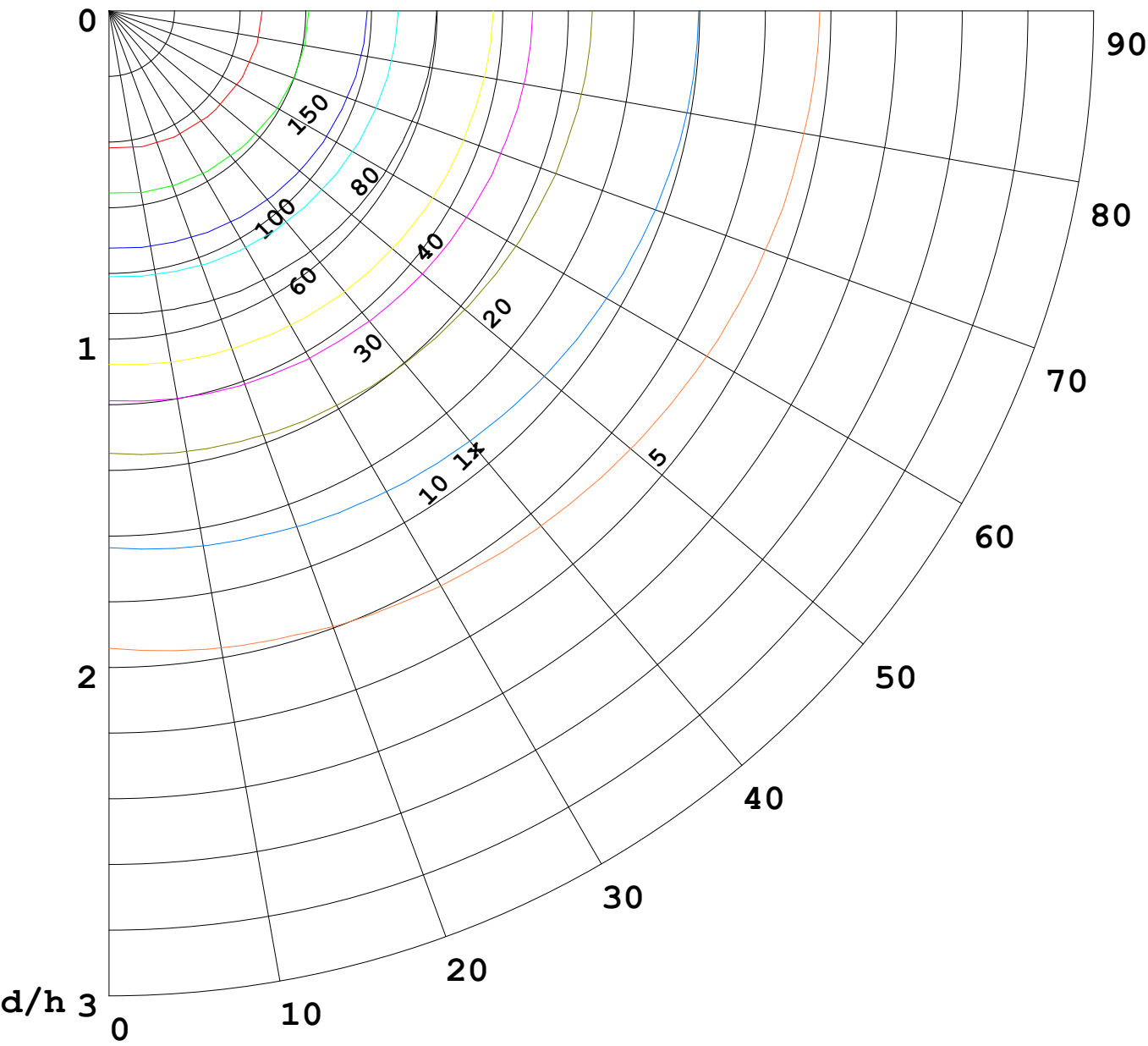


ROSS GARDAM



ROSS GARDAM

1000 lm $\kappa = 1$



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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

