



# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	251.1	248.6	245.1	244.3	245.2	245.4	246.8	250.0	0- 10	23.78	23.78	2.43,2.38
20	244.9	238.3	229.8	229.5	232.9	232.0	232.8	240.7	10- 20	68.33	92.11	9.4,9.21
30	232.4	220.8	206.2	208.2	214.9	211.6	210.2	223.9	20- 30	104.4	196.5	20,19.7
40	215.2	197.2	175.9	181.5	192.2	185.6	180.5	200.4	30- 40	127.8	324.3	33.1,32.4
50	193.5	169.3	141.4	151.6	165.8	156.0	145.6	172.3	40- 50	136.6	461.0	47,46.1
60	168.7	139.1	103.5	120.5	138.2	124.9	107.5	141.5	50- 60	131.2	592.1	60.4,59.2
70	142.7	109.1	64.06	90.60	111.3	94.74	67.55	110.7	60- 70	114.1	706.2	72,70.6
80	117.1	82.03	26.56	64.28	87.08	67.74	28.57	82.40	70- 80	89.83	796.1	81.2,79.6
90	93.50	59.73	1.414	43.27	65.84	46.03	1.717	59.14	80- 90	64.31	860.4	87.8,86
100	72.65	42.78	0.7022	28.02	48.46	29.98	0.6173	41.08	90-100	44.27	904.6	92.3,90.5
110	54.89	29.98	1.055	17.11	34.34	18.33	0.9569	28.66	100-110	29.91	934.5	95.3,93.5
120	39.55	21.25	1.411	11.03	22.83	11.69	1.331	20.36	110-120	19.29	953.8	97.3,95.4
130	28.17	14.41	1.790	7.205	14.81	7.454	1.678	14.27	120-130	12.19	966.0	98.5,96.6
140	19.45	9.621	2.077	4.636	8.870	4.730	1.976	8.902	130-140	7.080	973.1	99.3,97.3
150	13.09	6.456	2.383	3.301	5.090	3.231	2.275	6.088	140-150	3.875	977.0	99.7,97.7
160	8.430	4.721	2.619	2.708	2.913	2.620	2.507	4.430	150-160	2.047	979.0	99.9,97.9
170	3.540	3.371	2.744	2.779	2.704	2.752	2.706	3.387	160-170	0.9788	980.0	100,98
180	2.809	2.811	2.832	2.821	2.811	2.811	2.834	2.820	170-180	0.2776	980.3	100,98
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

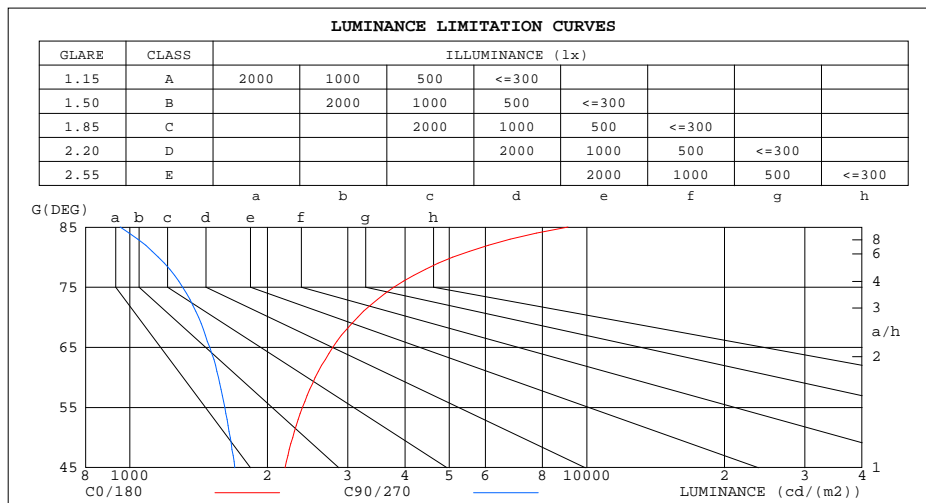
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINANCE LIMITATION CURVES

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9097	954
80	5092	1155
75	3783	1306
70	3151	1414
65	2782	1496
60	2546	1563
55	2386	1616
50	2272	1660
45	2186	1697

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-10-18

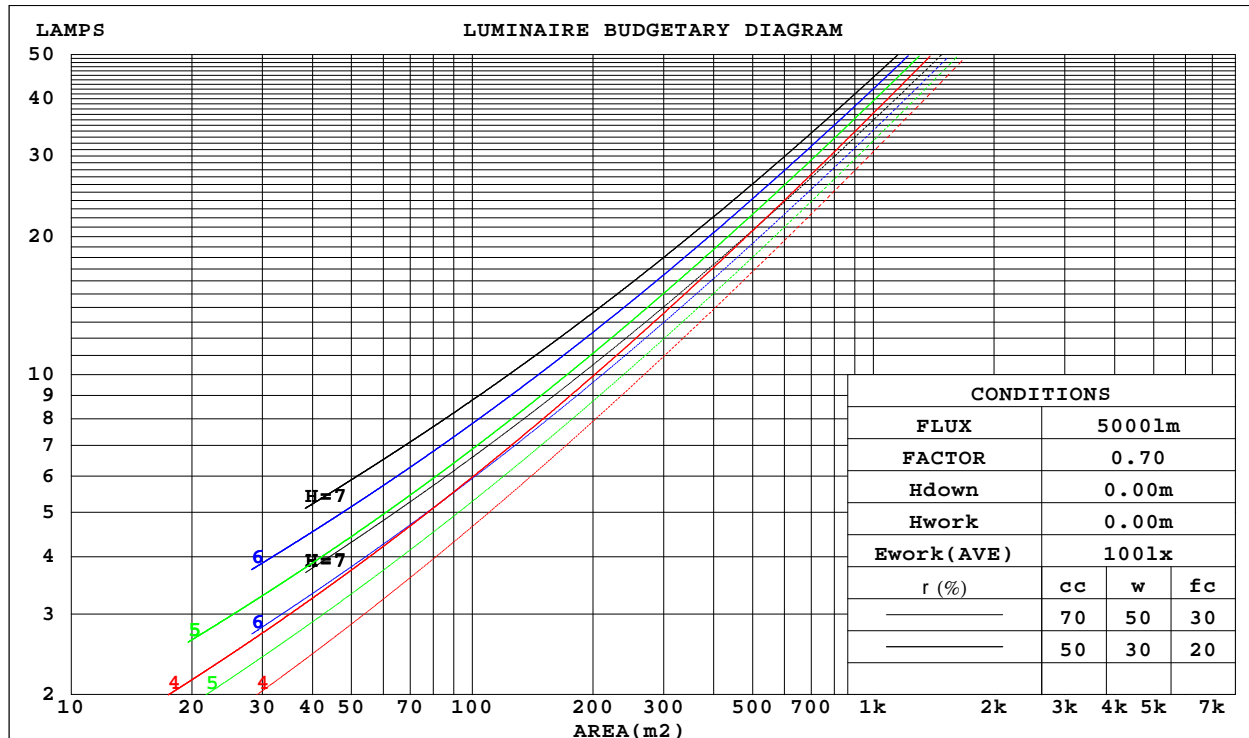
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.14	1.14	1.14	1.10	1.10	1.10	1.02	1.02	1.02	.95	.95	.95	.89	.89	.89	.86
1.0	.96	.91	.86	.92	.88	.84	.86	.82	.79	.80	.77	.74	.74	.72	.70	.67
2.0	.82	.75	.68	.79	.72	.67	.74	.68	.63	.69	.64	.60	.64	.60	.57	.54
3.0	.72	.63	.56	.69	.61	.55	.64	.58	.52	.60	.54	.50	.56	.51	.47	.45
4.0	.63	.54	.47	.61	.52	.46	.57	.50	.44	.53	.47	.42	.50	.44	.40	.37
5.0	.56	.47	.40	.54	.46	.39	.51	.43	.38	.47	.41	.36	.44	.39	.35	.32
6.0	.50	.41	.35	.49	.40	.34	.46	.38	.33	.43	.36	.31	.40	.35	.30	.28
7.0	.45	.37	.30	.44	.36	.30	.41	.34	.29	.39	.32	.28	.37	.31	.27	.24
8.0	.41	.33	.27	.40	.32	.26	.38	.31	.26	.36	.29	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.25	.21	.19
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.21	.30	.24	.20	.29	.23	.19	.18



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.365	.207	.066	.354	.202	.064	.334	.192	.061	.316	.182	.058	.299	.173	.056	
2.0	.320	.175	.054	.310	.171	.053	.292	.162	.050	.276	.155	.048	.260	.147	.046	
3.0	.286	.152	.046	.277	.149	.045	.261	.142	.043	.246	.135	.041	.232	.129	.040	
4.0	.259	.134	.040	.251	.131	.039	.236	.125	.037	.223	.119	.036	.210	.114	.035	
5.0	.236	.120	.035	.229	.117	.034	.215	.112	.033	.203	.107	.032	.192	.102	.031	
6.0	.216	.109	.031	.210	.106	.031	.198	.102	.030	.187	.097	.029	.176	.093	.028	
7.0	.200	.099	.028	.194	.097	.028	.183	.093	.027	.173	.089	.026	.163	.085	.025	
8.0	.186	.091	.026	.180	.089	.025	.170	.085	.024	.161	.082	.024	.152	.078	.023	
9.0	.173	.084	.023	.168	.082	.023	.159	.079	.022	.151	.076	.022	.142	.072	.021	
10.0	.162	.078	.022	.158	.076	.021	.149	.073	.021	.141	.070	.020	.134	.067	.019	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.278	.278	.278	.238	.238	.238	.162	.162	.162	.093	.093	.093	.030	.030	.030	
1.0	.273	.245	.219	.234	.210	.188	.160	.144	.130	.092	.084	.076	.029	.027	.025	
2.0	.266	.222	.185	.228	.191	.160	.156	.132	.111	.090	.077	.065	.029	.025	.021	
3.0	.259	.205	.163	.222	.177	.141	.152	.123	.099	.088	.072	.058	.028	.023	.019	
4.0	.251	.193	.149	.215	.167	.129	.148	.116	.091	.086	.068	.054	.028	.022	.018	
5.0	.243	.183	.139	.209	.158	.121	.144	.111	.085	.083	.065	.051	.027	.021	.017	
6.0	.236	.175	.132	.203	.152	.115	.140	.106	.081	.081	.063	.048	.026	.020	.016	
7.0	.229	.169	.126	.197	.146	.110	.136	.103	.078	.079	.060	.046	.026	.020	.015	
8.0	.223	.163	.122	.192	.142	.107	.133	.099	.076	.077	.059	.045	.025	.019	.015	
9.0	.216	.158	.119	.186	.138	.104	.129	.097	.074	.075	.057	.044	.024	.019	.015	
10.0	.211	.154	.117	.182	.134	.102	.126	.094	.072	.074	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:

**EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT**

**UGR(Unified Glare Rating) Table**

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: DURALED					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	15.6	17.0	16.0	17.5	17.9	13.7	15.1	14.1	15.5	16.0	
	3H 18.1	19.5	18.6	19.9	20.4	15.2	16.5	15.7	17.0	17.5	
	4H 19.5	20.8	20.0	21.2	21.8	15.8	17.1	16.3	17.6	18.1	
	6H 21.0	22.2	21.5	22.7	23.3	16.3	17.5	16.8	18.0	18.5	
	8H 21.9	23.0	22.4	23.5	24.1	16.5	17.6	17.0	18.1	18.7	
	12H 22.9	24.0	23.4	24.5	25.0	16.5	17.6	17.1	18.2	18.7	
4H	2H 16.2	17.4	16.6	17.9	18.4	14.7	16.0	15.2	16.5	17.0	
	3H 18.9	20.0	19.5	20.6	21.1	16.5	17.6	17.0	18.1	18.7	
	4H 20.5	21.5	21.1	22.1	22.7	17.3	18.3	17.9	18.9	19.5	
	6H 22.3	23.2	22.8	23.7	24.4	18.0	18.9	18.6	19.5	20.1	
	8H 23.2	24.1	23.8	24.7	25.3	18.3	19.1	18.8	19.7	20.3	
	12H 24.3	25.1	24.9	25.7	26.4	18.4	19.2	19.0	19.8	20.5	
8H	4H 20.8	21.7	21.4	22.3	22.9	18.3	19.1	18.9	19.7	20.4	
	6H 22.9	23.6	23.5	24.2	24.9	19.3	20.0	19.9	20.6	21.3	
	8H 24.1	24.7	24.7	25.4	26.1	19.8	20.4	20.4	21.0	21.7	
	12H 25.5	26.0	26.1	26.7	27.4	20.1	20.7	20.8	21.3	22.1	
12H	4H 20.9	21.7	21.5	22.2	22.9	18.6	19.4	19.2	20.0	20.6	
	6H 23.0	23.7	23.6	24.3	25.0	19.8	20.5	20.5	21.1	21.8	
	8H 24.3	24.9	25.0	25.5	26.2	20.4	21.0	21.1	21.6	22.4	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 2416 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 3.1$ )

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	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	49	38	30	49	37	30	47	36	30	23
0.80	59	46	38	57	46	38	55	44	38	30
1.00	66	54	46	65	53	46	62	54	45	37
1.25	73	61	53	71	60	53	67	58	51	42
1.50	78	67	59	76	65	58	72	63	56	47
2.00	85	75	67	82	73	66	78	70	64	53
2.50	89	80	72	86	78	71	81	74	68	57
3.00	93	84	77	90	82	76	84	78	72	61
4.00	97	90	84	94	87	82	88	83	78	66
5.00	100	94	88	97	91	86	90	86	82	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

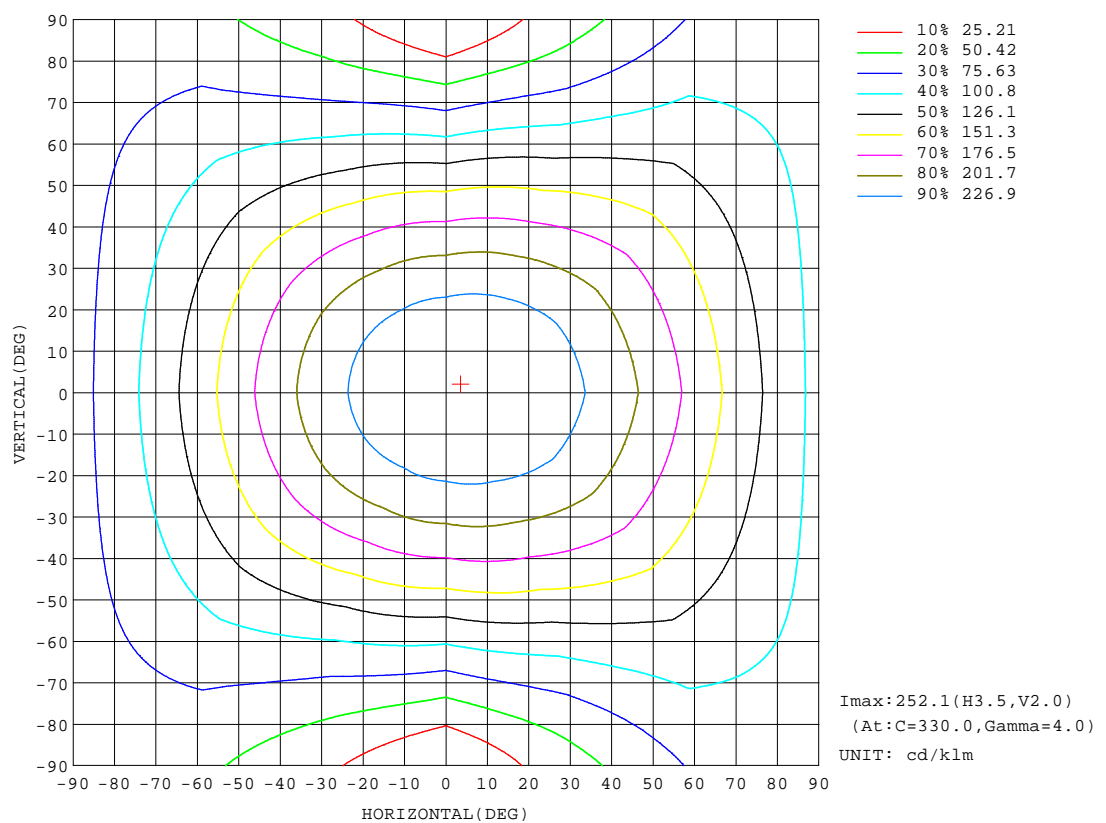
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:

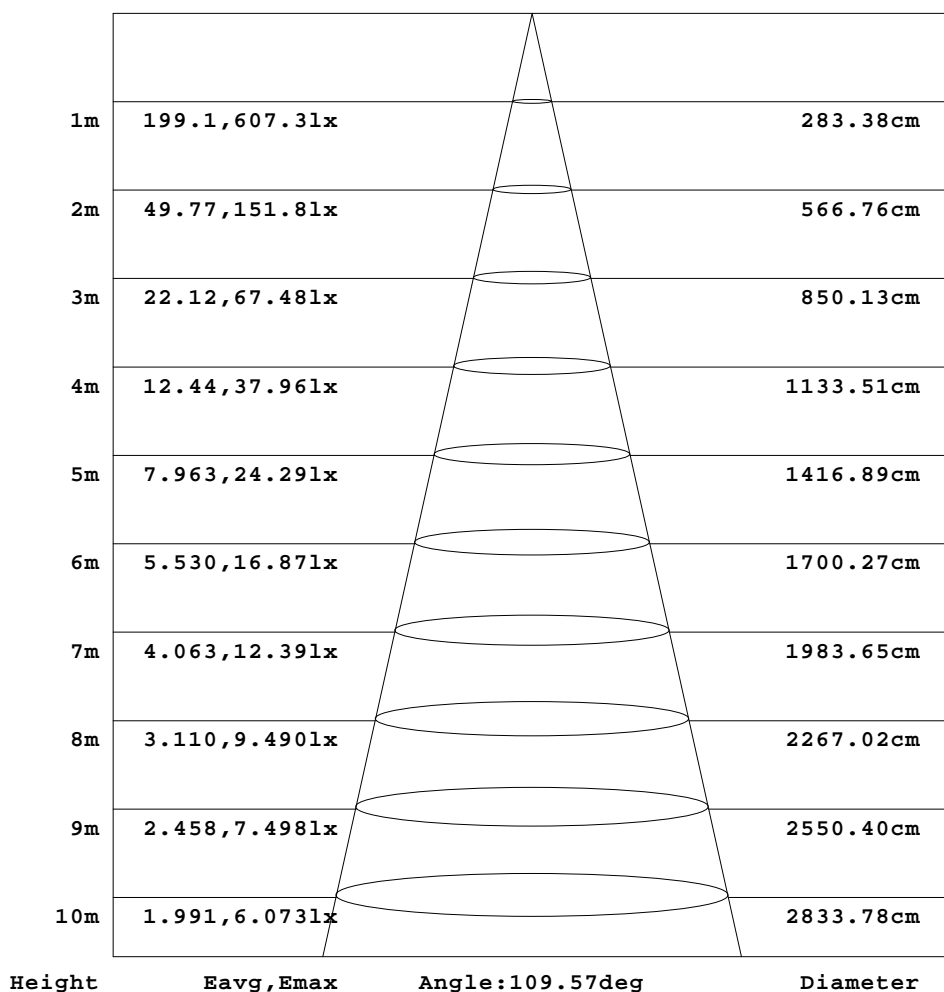


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1276 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

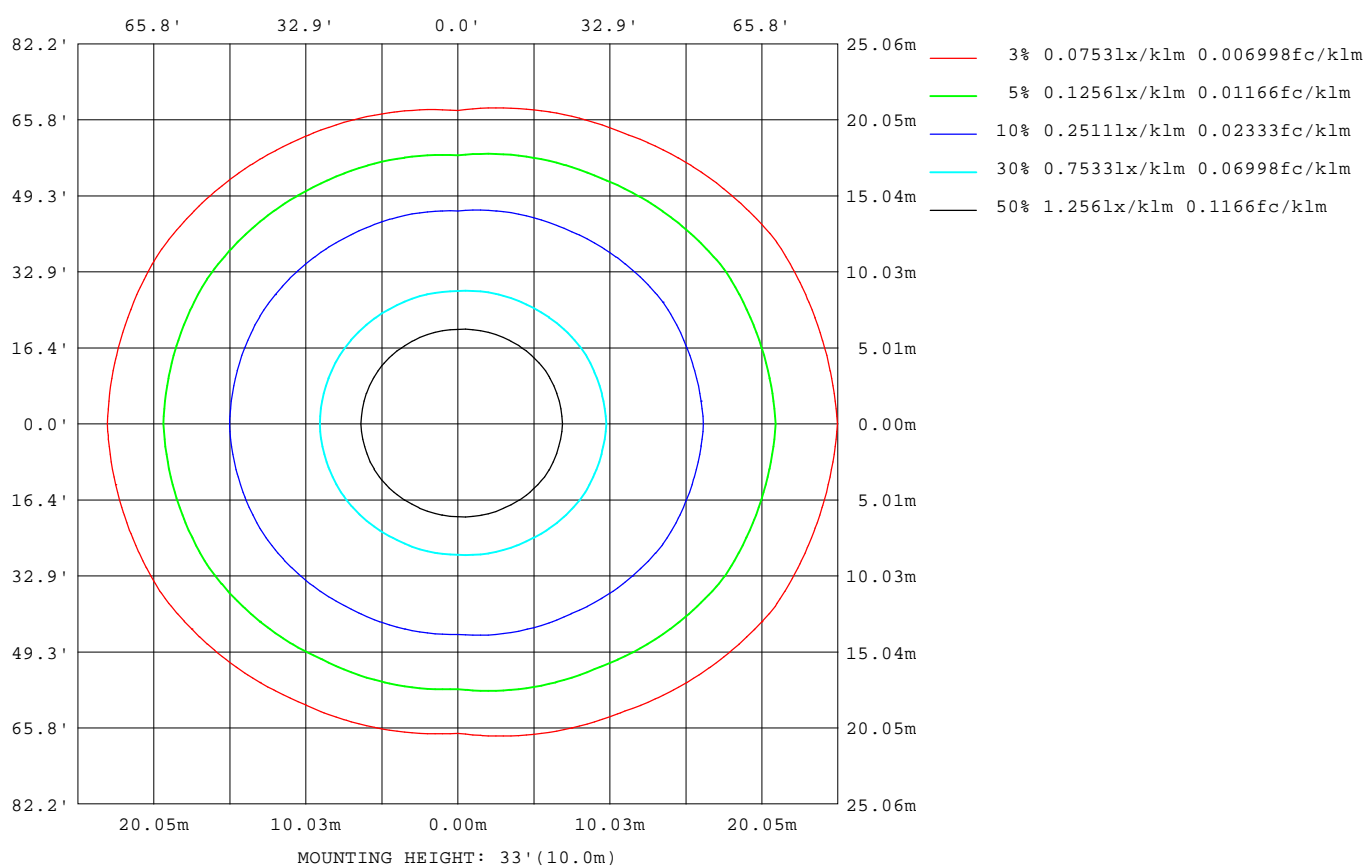
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.040m [K=1.0000]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LED Avg.L Report

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

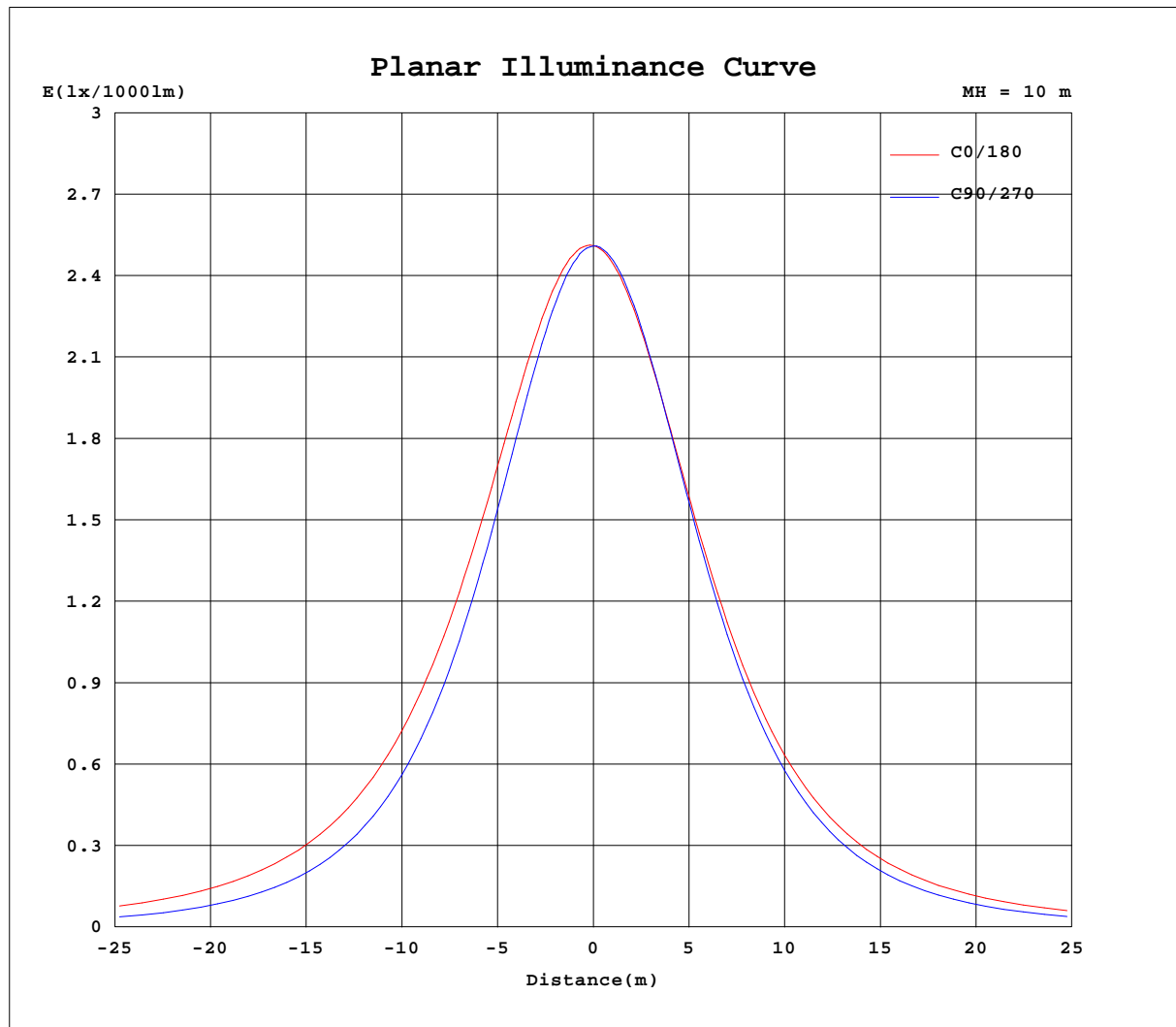
AvgL	cd/m2
L_0~180(65)av	2503
L_0~180(75)av	3332
L_0~180(85)av	7831
L_90~270(65)av	1531
L_90~270(75)av	1348
L_90~270(85)av	1007
L_45(65)av	2082
L_45(75)av	2568
L_45(85)av	5534

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-10-18

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.25V I:0.1817A P:20.896W PF:0.9562 Freq:50.80Hz Lamp Flux:2415.56x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: DURALED									SUR.:						Shielding Angle:		

Table--1

UNIT: cd/klm

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330					
0	251	251	251	251	251	251	251	251	251	251	251	251					
5	252	251	250	249	249	249	249	249	249	250	251	252					
10	251	250	247	245	244	244	245	245	245	247	249	251					
15	249	247	242	239	237	238	240	240	240	241	245	248					
20	245	242	235	230	228	231	233	232	232	233	238	244					
25	239	235	226	219	218	222	225	224	222	222	229	237					
30	232	227	215	206	205	211	215	213	210	210	219	229					
35	224	217	202	192	192	199	204	202	197	196	206	219					
40	215	207	188	176	177	186	192	189	182	180	192	208					
45	205	195	173	159	161	173	179	176	167	164	177	197					
50	193	182	157	141	145	159	166	161	151	146	161	184					
55	181	169	140	123	128	144	152	147	134	127	144	170					
60	169	155	123	104	111	130	138	133	117	107	127	156					
65	156	141	106	83.7	95.0	116	125	118	101	87.7	110	142					
70	143	128	90.6	64.1	79.2	102	111	105	84.8	67.5	92.9	128					
75	130	114	75.6	44.8	64.6	89.3	98.7	91.7	69.6	47.7	76.9	115					
80	117	102	62.0	26.6	51.5	77.1	87.1	79.6	55.8	28.6	62.6	102					
85	105	90.3	50.3	11.0	40.0	66.3	75.8	68.6	43.9	12.2	50.2	90.1					
90	93.5	78.9	40.5	1.41	30.1	56.4	65.8	58.5	33.6	1.72	39.7	78.6					
95	82.7	68.9	32.3	0.54	22.3	47.6	56.7	49.4	25.2	0.45	30.1	67.8					
100	72.6	59.7	25.8	0.70	16.3	39.7	48.5	41.3	18.7	0.62	23.7	58.4					
105	63.3	51.5	19.3	0.89	11.0	32.9	41.1	34.1	12.9	0.79	17.9	50.1					
110	54.9	43.8	16.2	1.05	8.38	25.8	34.3	27.0	9.71	0.96	15.1	42.2					
115	46.3	36.5	13.9	1.22	6.45	20.8	27.9	21.8	7.46	1.15	11.9	35.5					
120	39.5	31.2	11.4	1.41	5.07	17.0	22.8	17.6	5.78	1.33	10.4	30.3					
125	33.4	26.4	9.48	1.60	4.16	13.7	18.5	14.1	4.59	1.51	8.70	25.7					
130	28.2	21.3	7.51	1.79	3.55	10.9	14.8	11.1	3.79	1.68	7.37	21.2					
135	23.3	16.7	6.87	1.94	3.06	8.46	11.6	8.63	3.25	1.83	6.35	16.0					
140	19.4	13.2	6.09	2.08	2.69	6.59	8.87	6.65	2.81	1.98	5.63	12.2					
145	16.0	10.4	5.43	2.24	2.43	5.19	6.71	5.20	2.45	2.11	5.00	9.68					
150	13.1	8.01	4.90	2.38	2.48	4.12	5.09	4.06	2.40	2.28	4.37	7.81					
155	10.3	6.71	4.63	2.50	2.56	3.27	3.84	3.19	2.45	2.39	4.14	6.27					
160	8.43	5.49	3.95	2.62	2.65	2.76	2.91	2.70	2.54	2.51	3.83	5.03					
165	6.50	4.54	3.69	2.70	2.73	2.74	2.65	2.69	2.64	2.62	3.64	4.34					
170	3.54	3.69	3.06	2.74	2.79	2.76	2.70	2.76	2.75	2.71	3.00	3.78					
175	3.00	3.01	2.81	2.80	2.81	2.83	2.77	2.83	2.78	2.79	2.80	2.91					
180	2.81	2.80	2.82	2.83	2.83	2.81	2.81	2.81	2.82	2.83	2.83	2.81					

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## Photometric Data Table [cd/klm]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	251.1	251.0	250.9	251.0	251.1	251.3	251.1	251.0	250.9	251.0
3.0	251.7	251.6	250.6	250.3	250.0	250.0	250.0	250.0	250.2	250.7
6.0	251.8	251.3	249.9	248.8	248.1	247.8	248.3	248.4	248.9	249.7
9.0	251.6	250.4	248.1	246.1	245.1	245.4	245.9	246.2	246.6	247.8
12.0	250.4	248.8	245.5	242.7	241.5	242.4	243.1	243.1	243.4	244.7
15.0	248.9	246.7	242.0	238.6	237.1	238.5	239.8	239.6	239.5	240.9
18.0	246.4	243.9	238.1	233.6	232.1	234.1	235.8	235.4	235.0	236.5
21.0	243.9	240.7	233.2	227.8	226.4	229.0	231.4	230.8	229.7	230.8
24.0	240.7	236.7	227.5	221.3	219.8	223.6	226.3	225.5	223.8	224.6
27.0	236.9	232.1	221.3	214.0	212.9	217.6	220.9	219.6	217.2	217.9
30.0	232.4	227.0	214.6	206.2	205.4	211.0	214.9	213.3	209.9	210.2
33.0	227.9	221.5	207.0	197.8	197.3	204.2	208.8	206.7	202.2	201.9
36.0	222.6	215.4	199.0	188.8	188.7	196.7	201.7	199.3	194.0	193.1
39.0	217.2	208.9	190.6	179.3	179.9	188.7	194.8	191.5	185.0	183.8
42.0	211.2	201.9	181.9	169.4	170.7	180.9	187.1	183.7	176.1	173.9
45.0	204.8	194.6	172.6	159.0	161.0	172.6	179.4	175.5	166.8	163.6
48.0	197.9	187.2	162.8	148.4	151.3	164.2	171.3	167.0	157.0	152.9
51.0	191.0	179.4	153.1	137.5	141.4	155.6	163.3	158.5	147.2	141.9
54.0	183.8	171.4	143.2	126.4	131.3	146.9	155.0	149.9	137.3	130.7
57.0	176.2	163.3	133.1	115.1	121.4	138.3	146.5	141.2	127.2	119.1
60.0	168.7	155.1	123.1	103.5	111.4	129.7	138.2	132.6	117.3	107.5
63.0	161.0	146.7	113.0	91.87	101.5	121.1	129.9	124.0	107.3	95.65
66.0	153.0	138.6	103.3	79.68	91.79	112.8	121.9	115.6	97.62	83.55
69.0	145.4	130.5	93.70	68.04	82.29	104.6	113.8	107.3	88.13	71.66
72.0	137.4	122.4	84.42	56.29	73.22	96.84	106.2	99.35	78.47	59.62
75.0	129.7	114.5	75.60	44.77	64.60	89.35	98.75	91.73	69.63	47.68
78.0	122.2	107.0	67.34	33.72	56.56	81.77	91.62	84.42	61.20	36.15
81.0	114.6	99.57	59.62	23.20	49.03	74.90	84.60	77.45	53.33	25.10
84.0	107.4	92.46	52.47	13.80	42.14	68.34	77.91	70.76	46.09	15.16
87.0	100.3	85.74	46.12	6.230	35.76	62.26	71.71	64.47	39.49	7.033
90.0	93.50	78.95	40.52	1.414	30.14	56.40	65.84	58.46	33.60	1.717
93.0	87.00	72.82	35.30	0.4458	25.21	50.96	60.25	52.96	28.30	0.4021
96.0	80.65	67.03	30.92	0.5502	20.96	45.91	55.00	47.82	23.73	0.4841
99.0	74.51	61.47	27.01	0.6688	17.35	41.15	50.03	42.86	19.82	0.5525
102.0	68.76	56.30	23.55	0.7878	13.81	36.85	45.40	38.16	16.10	0.6915
105.0	63.33	51.49	19.30	0.8879	11.01	32.87	41.10	34.07	12.85	0.7916
108.0	58.12	46.98	17.35	0.9851	9.337	29.06	37.02	29.99	10.83	0.9033
111.0	53.23	41.90	15.70	1.088	7.945	24.52	32.61	25.75	9.200	0.9946
114.0	47.73	37.72	14.43	1.187	6.814	21.70	28.97	22.75	7.870	1.108
117.0	43.55	34.30	12.88	1.295	5.818	19.23	25.75	20.05	6.725	1.218
120.0	39.55	31.15	11.35	1.411	5.071	17.00	22.83	17.61	5.775	1.331
123.0	35.78	28.27	10.12	1.530	4.482	14.97	20.16	15.45	5.001	1.441
126.0	32.33	25.59	9.160	1.643	4.023	13.08	17.72	13.47	4.394	1.544
129.0	29.17	22.55	7.772	1.752	3.663	11.40	15.52	11.68	3.924	1.647
132.0	26.27	19.25	7.379	1.855	3.348	9.866	13.48	10.06	3.559	1.740
135.0	23.27	16.67	6.873	1.944	3.060	8.460	11.60	8.627	3.248	1.831
138.0	20.93	14.54	6.384	2.018	2.823	7.266	9.898	7.366	2.974	1.921
141.0	18.70	12.52	5.941	2.106	2.627	6.275	8.400	6.328	2.728	2.003
144.0	16.64	10.84	5.544	2.206	2.467	5.434	7.098	5.453	2.511	2.088
147.0	14.76	9.445	5.192	2.305	2.442	4.729	6.005	4.707	2.384	2.204
150.0	13.09	8.011	4.900	2.383	2.481	4.121	5.090	4.057	2.405	2.275
153.0	11.57	7.272	4.701	2.450	2.526	3.579	4.301	3.510	2.422	2.341
156.0	9.818	6.423	4.512	2.525	2.581	3.127	3.628	3.044	2.469	2.409
159.0	8.792	5.718	4.018	2.599	2.635	2.792	3.068	2.720	2.521	2.475
162.0	7.768	4.931	3.824	2.650	2.684	2.741	2.706	2.683	2.586	2.558
165.0	6.499	4.541	3.692	2.702	2.729	2.740	2.648	2.689	2.637	2.618
168.0	4.146	3.922	3.525	2.734	2.770	2.753	2.663	2.735	2.699	2.668
171.0	3.402	3.606	3.084	2.759	2.812	2.773	2.721	2.771	2.763	2.725
174.0	3.017	3.032	2.821	2.789	2.806	2.817	2.756	2.813	2.773	2.774
177.0	2.811	2.812	2.808	2.812	2.822	2.811	2.788	2.805	2.803	2.811
180.0	2.809	2.805	2.818	2.832	2.831	2.811	2.811	2.806	2.815	2.834
G/C	300.0	330.0								
0.0	251.1	251.3								
3.0	251.4	252.0								
6.0	251.0	252.0								
9.0	249.7	251.1								
12.0	247.4	250.0								
15.0	244.7	248.0								
18.0	241.0	245.4								
21.0	236.4	242.1								
24.0	231.3	238.4								
27.0	225.2	234.0								
30.0	218.8	229.0								

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-10-18

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.040m [K=1.0000]  
Remarks:

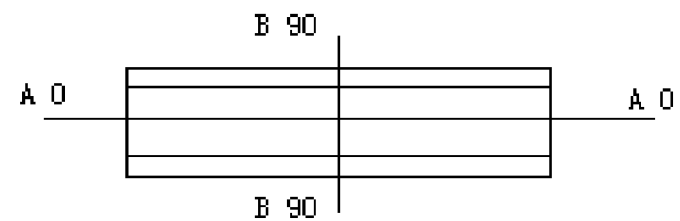
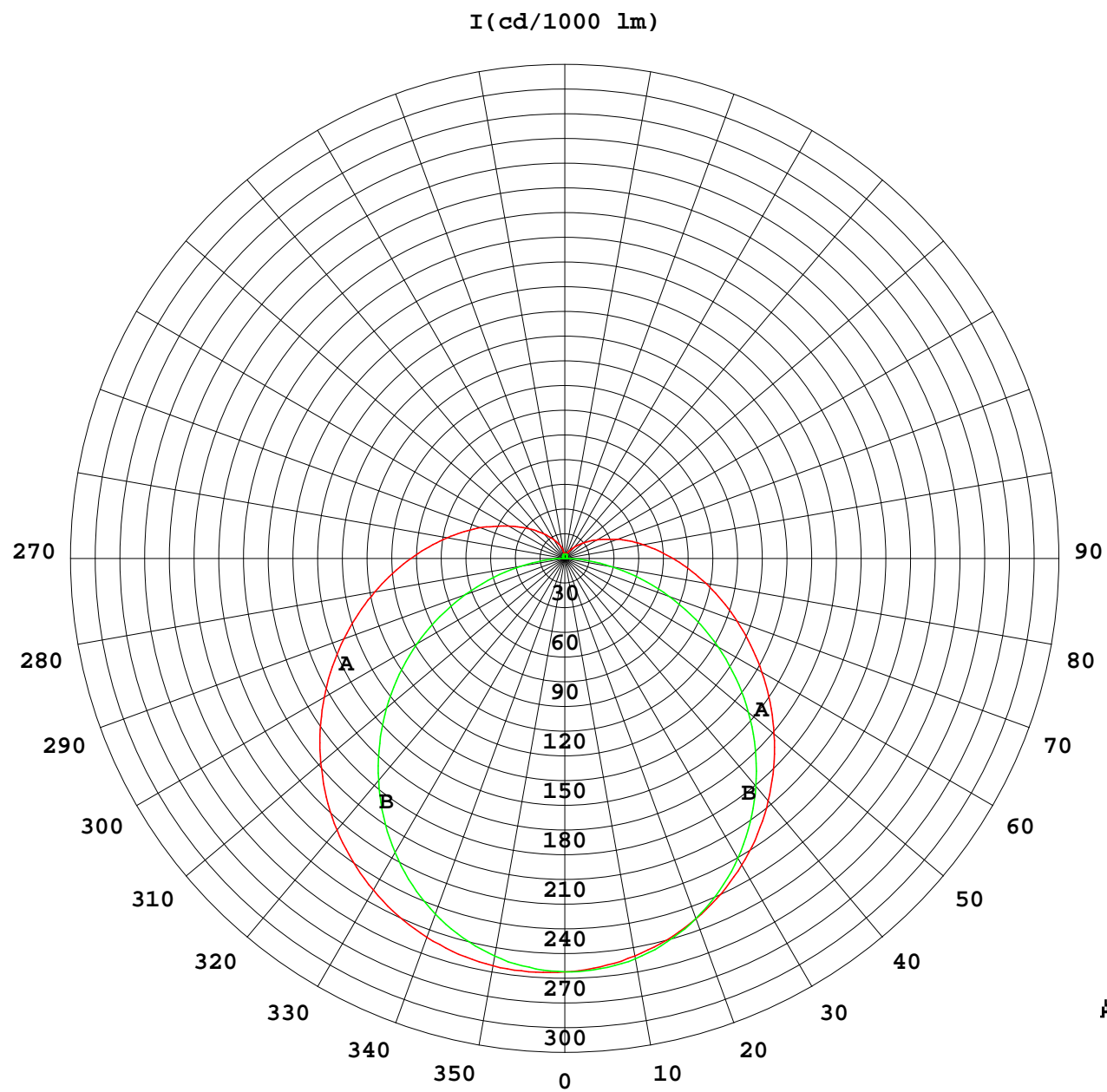
# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## Photometric Data Table [cd/klm]

33.0	211.5	223.4
36.0	203.6	217.2
39.0	195.1	211.0
42.0	186.3	203.9
45.0	177.2	196.7
48.0	167.4	189.0
51.0	157.5	181.2
54.0	147.3	173.2
57.0	136.9	164.7
60.0	126.7	156.3
63.0	116.4	148.0
66.0	106.2	139.5
69.0	96.22	131.3
72.0	86.45	123.0
75.0	76.91	115.0
78.0	68.17	107.2
81.0	60.01	99.72
84.0	52.51	92.42
87.0	45.76	85.37
90.0	39.68	78.60
93.0	33.78	71.85
96.0	28.52	65.88
99.0	24.80	60.22
102.0	21.70	54.93
105.0	17.91	50.14
108.0	16.19	45.75
111.0	14.37	40.41
114.0	11.90	36.62
117.0	11.56	33.36
120.0	10.42	30.31
123.0	9.329	27.49
126.0	8.407	24.94
129.0	7.610	21.95
132.0	6.942	19.13
135.0	6.353	16.04
138.0	5.884	13.50
141.0	5.492	11.85
144.0	5.108	10.17
147.0	4.795	8.892
150.0	4.365	7.811
153.0	4.319	6.839
156.0	4.050	6.006
159.0	3.933	5.285
162.0	3.763	4.563
165.0	3.643	4.337
168.0	3.171	3.878
171.0	2.996	3.633
174.0	2.796	2.980
177.0	2.811	2.809
180.0	2.828	2.812

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-18

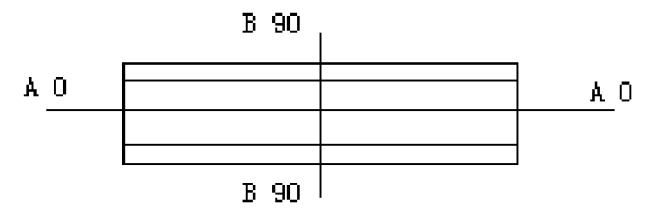
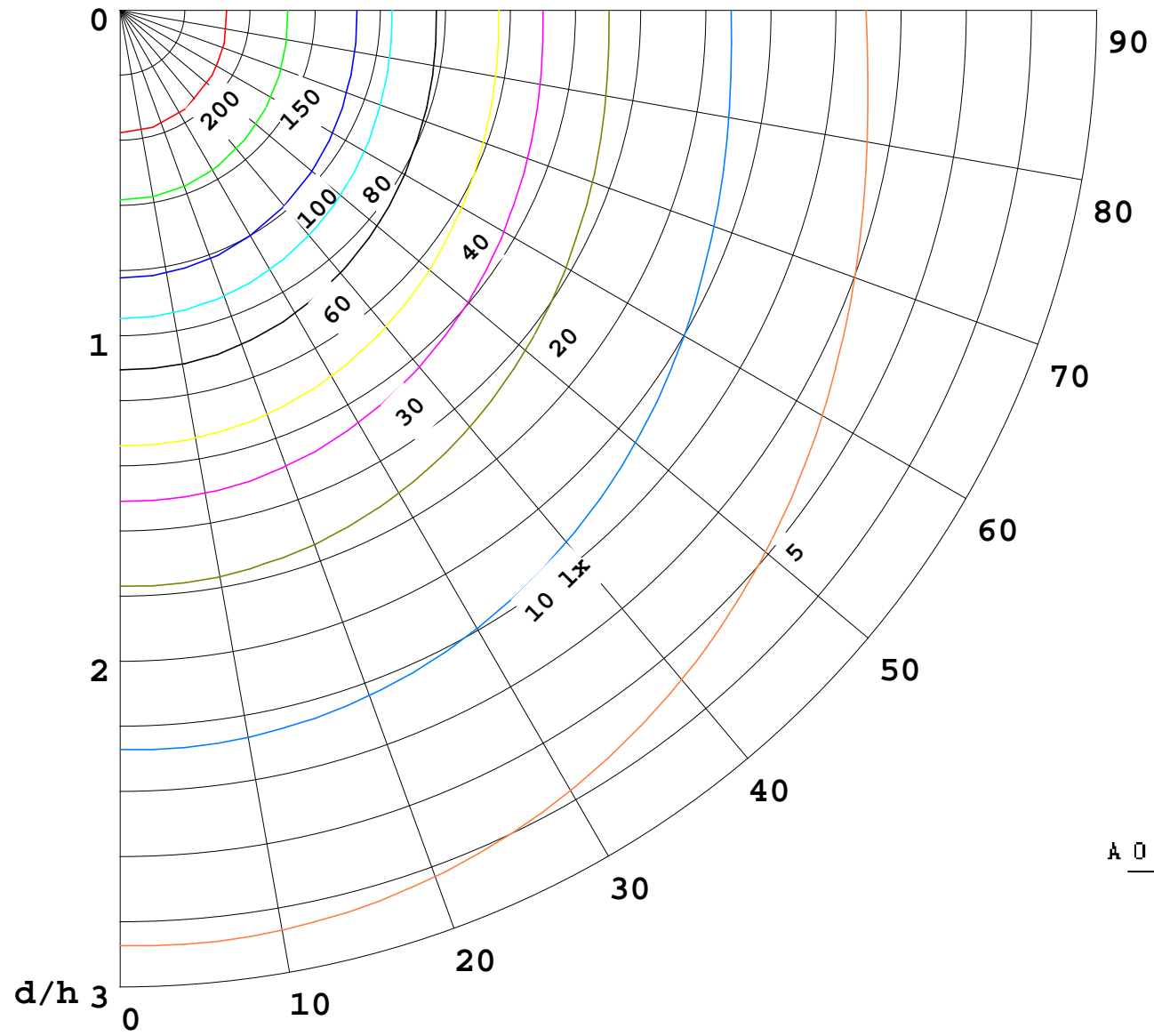
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:





1000 lm

$K = 1$



<b>F</b>	<b>= 5000 lm</b>		<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
<b>K</b>	<b>= 0.7</b>	—————	<b>70</b>	<b>50</b>	<b>30</b>
<b>Hcc</b>	<b>= 0.0 m</b>	—————	<b>50</b>	<b>30</b>	<b>20</b>
<b>Hfc</b>	<b>= 0.0 m</b>				
<b>Eave</b>	<b>= 100 lx</b>				

