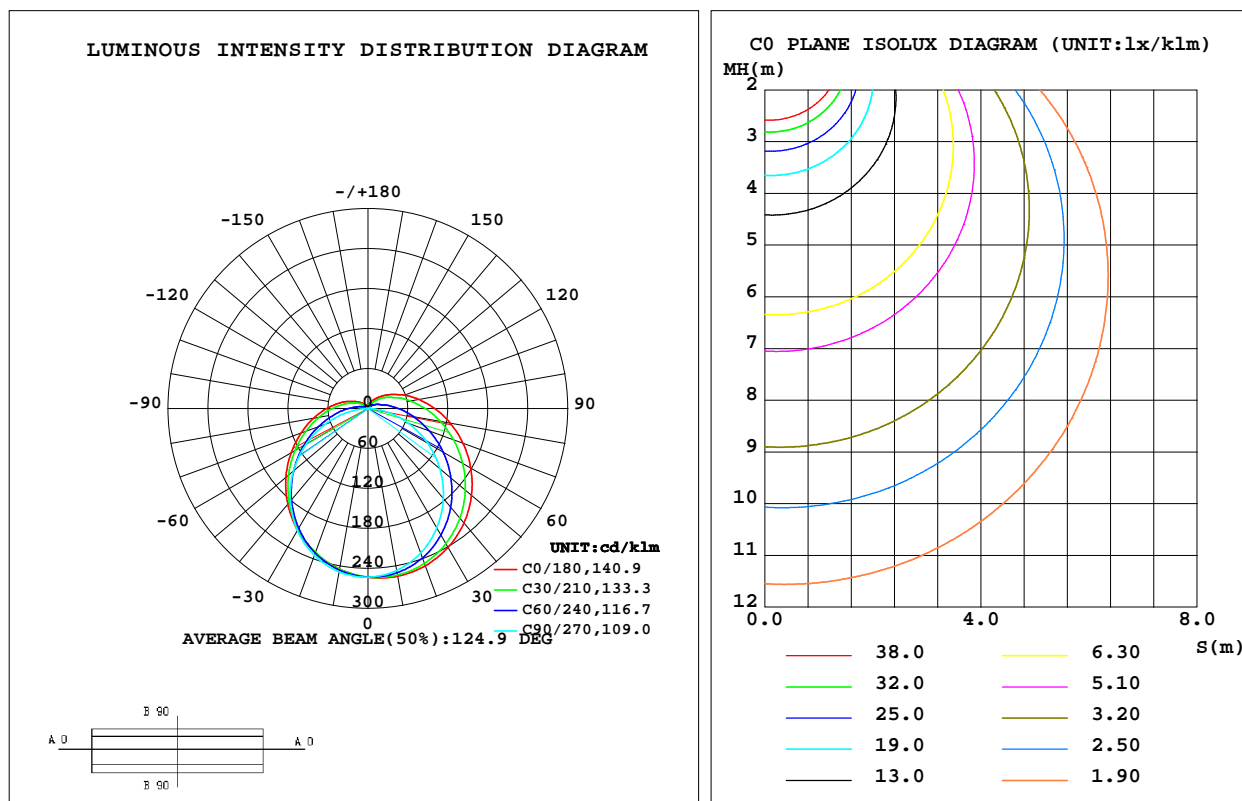


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.35 lm/W			
MODEL		I <sub>max</sub> (cd/klm)	255.6	S/MH(C0/180)	1.24
NOMINAL POWER(W)	18	LOR(%)	99.1	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	991.44	h UP,DN(C0-180)	6.7,44.0
NOMINAL FLUX(lm)	2333.37	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.6,42.8
LAMPS INSIDE	1	h up(%)	12.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	86.8	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

q Range: 0 - 180DEG  
q 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

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	255.6	252.1	247.0	244.5	245.0	245.6	249.0	253.8	0- 10	23.97	23.97	2.42,2.4
20	251.4	243.2	231.1	228.0	230.5	230.6	234.7	246.0	10- 20	68.87	92.84	9.36,9.28
30	240.6	226.6	206.9	205.1	211.1	208.7	211.5	230.2	20- 30	105.2	198.0	20,19.8
40	224.1	203.9	176.2	177.2	187.3	181.4	181.3	207.7	30- 40	128.7	326.8	33,32.7
50	202.9	176.8	141.1	146.4	160.9	150.8	146.0	180.4	40- 50	137.6	464.4	46.8,46.4
60	178.2	147.1	103.2	114.8	133.3	119.1	107.3	150.2	50- 60	132.3	596.6	60.2,59.7
70	151.7	117.1	63.84	84.97	106.6	88.63	67.10	119.3	60- 70	115.2	711.9	71.8,71.2
80	125.1	89.44	26.58	59.18	82.56	62.36	28.09	90.20	70- 80	90.99	802.9	81,80.3
90	100.4	65.96	1.506	39.41	62.23	41.83	1.547	65.78	80- 90	65.46	868.3	87.6,86.8
100	78.20	47.43	0.6730	25.49	45.49	27.02	0.5805	45.83	90-100	45.37	913.7	92.2,91.4
110	59.25	33.12	1.027	15.71	31.99	16.70	0.9186	31.68	100-110	30.75	944.4	95.3,94.4
120	42.70	23.17	1.391	10.32	21.24	10.82	1.295	22.25	110-120	19.87	964.3	97.3,96.4
130	30.31	15.35	1.770	6.893	13.89	7.048	1.642	15.32	120-130	12.57	976.9	98.5,97.7
140	20.75	9.930	2.062	4.562	8.475	4.587	1.950	9.387	130-140	7.267	984.1	99.3,98.4
150	13.75	6.417	2.375	3.308	5.010	3.207	2.256	6.302	140-150	3.959	988.1	99.7,98.8
160	8.594	4.705	2.613	2.735	2.908	2.643	2.495	4.490	150-160	2.071	990.2	99.9,99
170	3.477	3.367	2.745	2.801	2.716	2.774	2.699	3.372	160-170	0.9819	991.2	100,99.1
180	2.802	2.813	2.826	2.820	2.802	2.811	2.827	2.823	170-180	0.2776	991.4	100,99.1
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

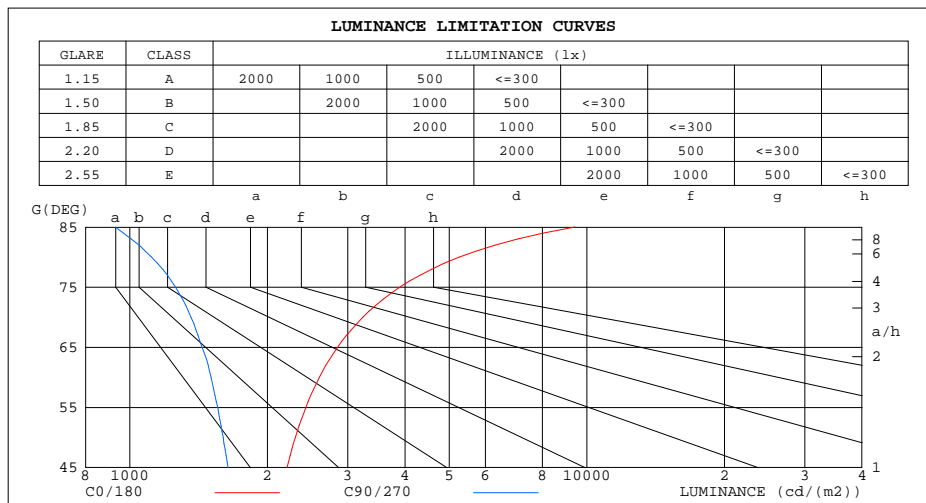
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9413	929
80	5254	1116
75	3895	1259
70	3234	1361
65	2847	1440
60	2598	1506
55	2427	1558
50	2302	1601
45	2207	1640

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-10-17

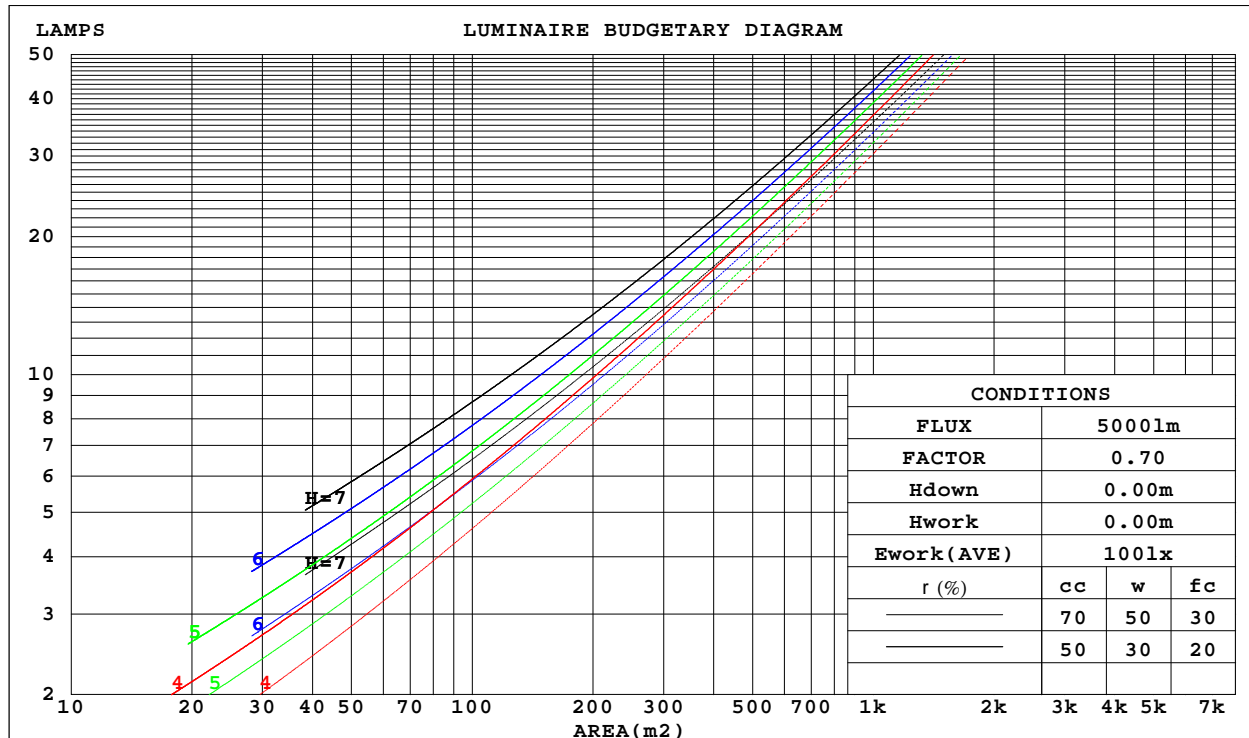
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.90	.90	.90	.87
1.0	.97	.92	.87	.93	.89	.84	.87	.83	.79	.81	.78	.75	.75	.73	.70	.67
2.0	.83	.75	.69	.80	.73	.67	.75	.69	.64	.69	.65	.60	.65	.61	.57	.54
3.0	.72	.63	.56	.70	.62	.55	.65	.58	.53	.61	.55	.50	.56	.52	.48	.45
4.0	.64	.54	.47	.61	.53	.46	.57	.50	.44	.54	.47	.42	.50	.45	.40	.38
5.0	.57	.47	.40	.55	.46	.39	.51	.44	.38	.48	.41	.36	.45	.39	.35	.32
6.0	.51	.42	.35	.49	.40	.34	.46	.39	.33	.43	.37	.32	.40	.35	.30	.28
7.0	.46	.37	.31	.44	.36	.30	.42	.34	.29	.39	.33	.28	.37	.31	.27	.25
8.0	.42	.33	.27	.40	.32	.27	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.20	.29	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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	.370	.210	.067	.359	.205	.065	.338	.194	.062	.319	.184	.059	.302	.175	.056	
2.0	.324	.177	.054	.314	.173	.053	.296	.164	.051	.279	.156	.049	.263	.149	.047	
3.0	.289	.154	.046	.281	.150	.045	.264	.143	.044	.249	.136	.042	.235	.130	.040	
4.0	.262	.136	.040	.254	.133	.039	.239	.127	.038	.225	.121	.036	.212	.115	.035	
5.0	.239	.122	.035	.231	.119	.035	.218	.113	.033	.205	.108	.032	.194	.103	.031	
6.0	.219	.110	.031	.213	.107	.031	.200	.103	.030	.189	.098	.029	.178	.094	.028	
7.0	.202	.100	.028	.196	.098	.028	.185	.094	.027	.175	.090	.026	.165	.086	.025	
8.0	.188	.092	.026	.182	.090	.025	.172	.086	.025	.163	.082	.024	.154	.079	.023	
9.0	.175	.085	.024	.170	.083	.023	.161	.080	.023	.152	.076	.022	.144	.073	.021	
10.0	.164	.079	.022	.160	.077	.022	.151	.074	.021	.143	.071	.020	.135	.068	.020	

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	.283	.283	.283	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030	
1.0	.278	.249	.223	.238	.214	.192	.162	.147	.133	.094	.085	.077	.030	.027	.025	
2.0	.271	.226	.188	.232	.194	.163	.159	.134	.113	.092	.078	.067	.029	.025	.022	
3.0	.263	.209	.166	.225	.180	.144	.155	.125	.101	.089	.073	.060	.029	.024	.020	
4.0	.255	.197	.152	.219	.170	.132	.151	.118	.093	.087	.069	.055	.028	.023	.018	
5.0	.248	.187	.142	.213	.162	.123	.146	.113	.087	.085	.066	.052	.027	.022	.017	
6.0	.240	.179	.135	.206	.155	.117	.142	.108	.083	.083	.064	.049	.027	.021	.016	
7.0	.233	.172	.129	.201	.149	.113	.139	.105	.080	.081	.062	.047	.026	.020	.016	
8.0	.227	.166	.125	.195	.144	.109	.135	.101	.077	.079	.060	.046	.025	.020	.015	
9.0	.220	.162	.122	.190	.140	.106	.132	.099	.076	.077	.058	.045	.025	.019	.015	
10.0	.215	.158	.120	.185	.137	.104	.128	.096	.074	.075	.057	.044	.024	.019	.015	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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	15.8	17.2	16.3	17.7	18.1	13.7	15.2	14.2	15.6	16.0	
	3H	18.4	19.7	18.8	20.1	20.6	15.3	16.6	15.7	17.0	17.5
	4H	19.8	21.0	20.3	21.5	22.0	15.9	17.2	16.4	17.6	18.1
	6H	21.3	22.5	21.8	23.0	23.5	16.4	17.6	16.9	18.0	18.6
	8H	22.2	23.3	22.7	23.8	24.4	16.5	17.7	17.0	18.2	18.7
	12H	23.2	24.3	23.7	24.8	25.3	16.6	17.7	17.1	18.2	18.8
4H	2H	16.4	17.6	16.9	18.1	18.6	14.9	16.1	15.3	16.6	17.1
	3H	19.2	20.3	19.7	20.8	21.4	16.7	17.8	17.2	18.3	18.9
	4H	20.8	21.8	21.3	22.3	22.9	17.5	18.5	18.1	19.1	19.7
	6H	22.5	23.5	23.1	24.0	24.6	18.2	19.1	18.8	19.7	20.3
	8H	23.5	24.4	24.1	24.9	25.6	18.4	19.3	19.0	19.9	20.5
	12H	24.6	25.4	25.3	26.0	26.7	18.6	19.4	19.2	20.0	20.7
8H	4H	21.1	22.0	21.7	22.6	23.2	18.5	19.4	19.1	19.9	20.6
	6H	23.2	23.9	23.8	24.5	25.2	19.6	20.3	20.2	20.9	21.6
	8H	24.4	25.0	25.0	25.7	26.4	20.1	20.7	20.7	21.3	22.0
	12H	25.8	26.3	26.4	27.0	27.7	20.4	21.0	21.1	21.7	22.4
12H	4H	21.2	21.9	21.8	22.5	23.2	18.8	19.6	19.4	20.2	20.9
	6H	23.3	24.0	24.0	24.6	25.3	20.1	20.8	20.8	21.4	22.1
	8H	24.6	25.2	25.3	25.8	26.6	20.8	21.3	21.4	22.0	22.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5					

CIE Pub.117, 2333 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.9$ )

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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	50	38	31	49	37	31	47	37	30	24
0.80	59	47	39	58	46	39	55	45	38	30
1.00	67	55	46	65	54	46	62	55	45	37
1.25	74	62	54	72	61	53	68	59	52	43
1.50	79	67	59	77	66	58	72	63	57	47
2.00	86	76	68	83	74	66	78	70	64	54
2.50	90	81	73	87	79	72	82	75	69	58
3.00	94	85	78	91	83	76	85	79	73	61
4.00	98	91	85	95	88	83	89	83	79	66
5.00	101	95	89	98	92	87	91	87	82	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

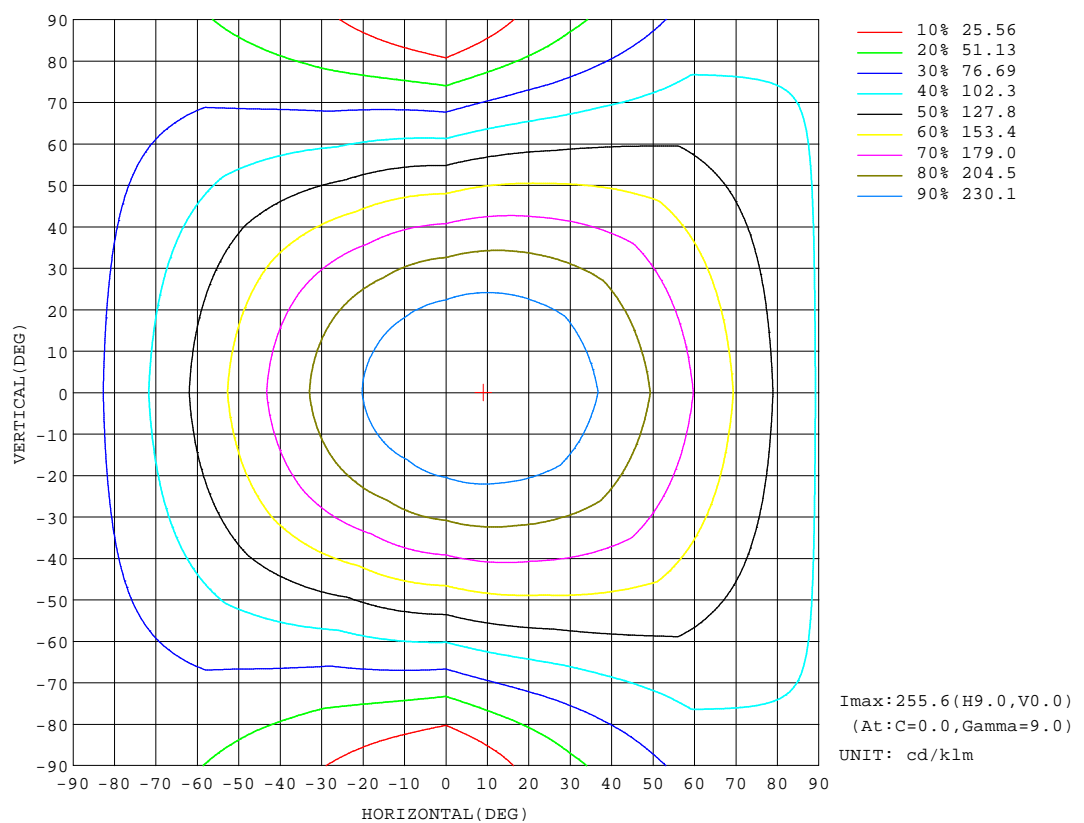
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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: 2022-10-17

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:

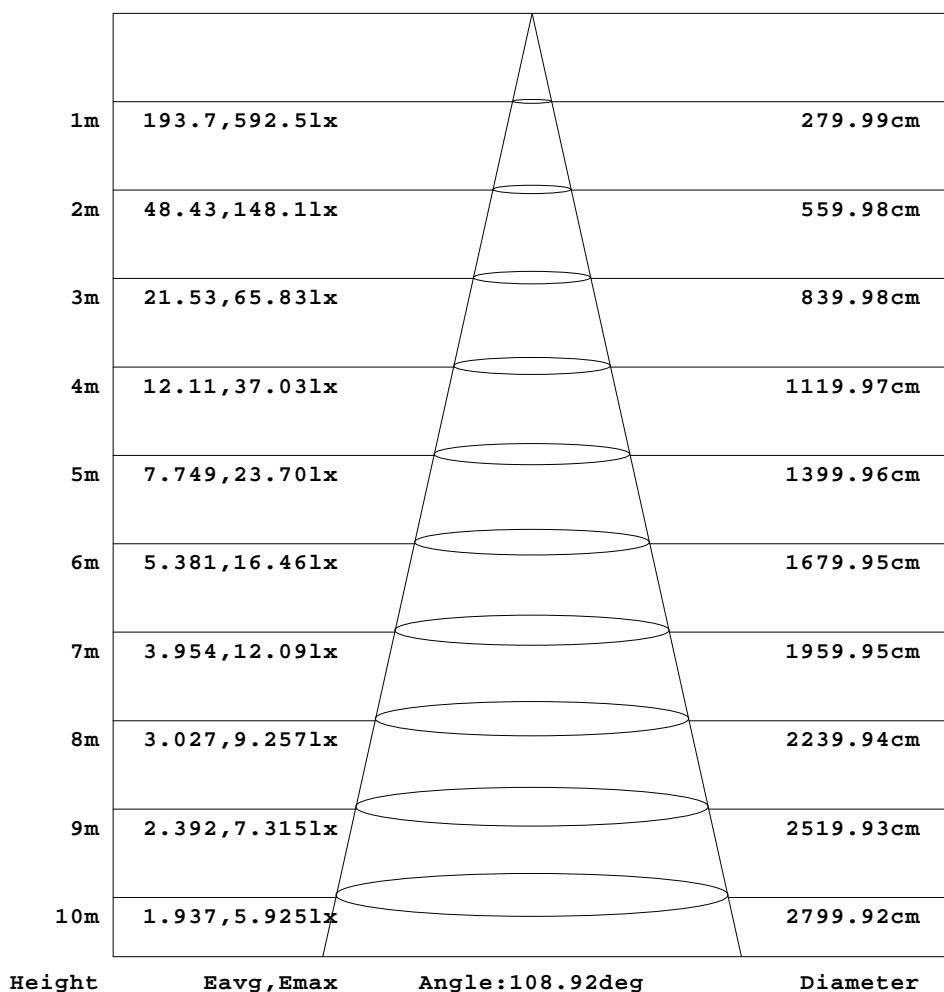


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

Test:U:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1241 lm



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

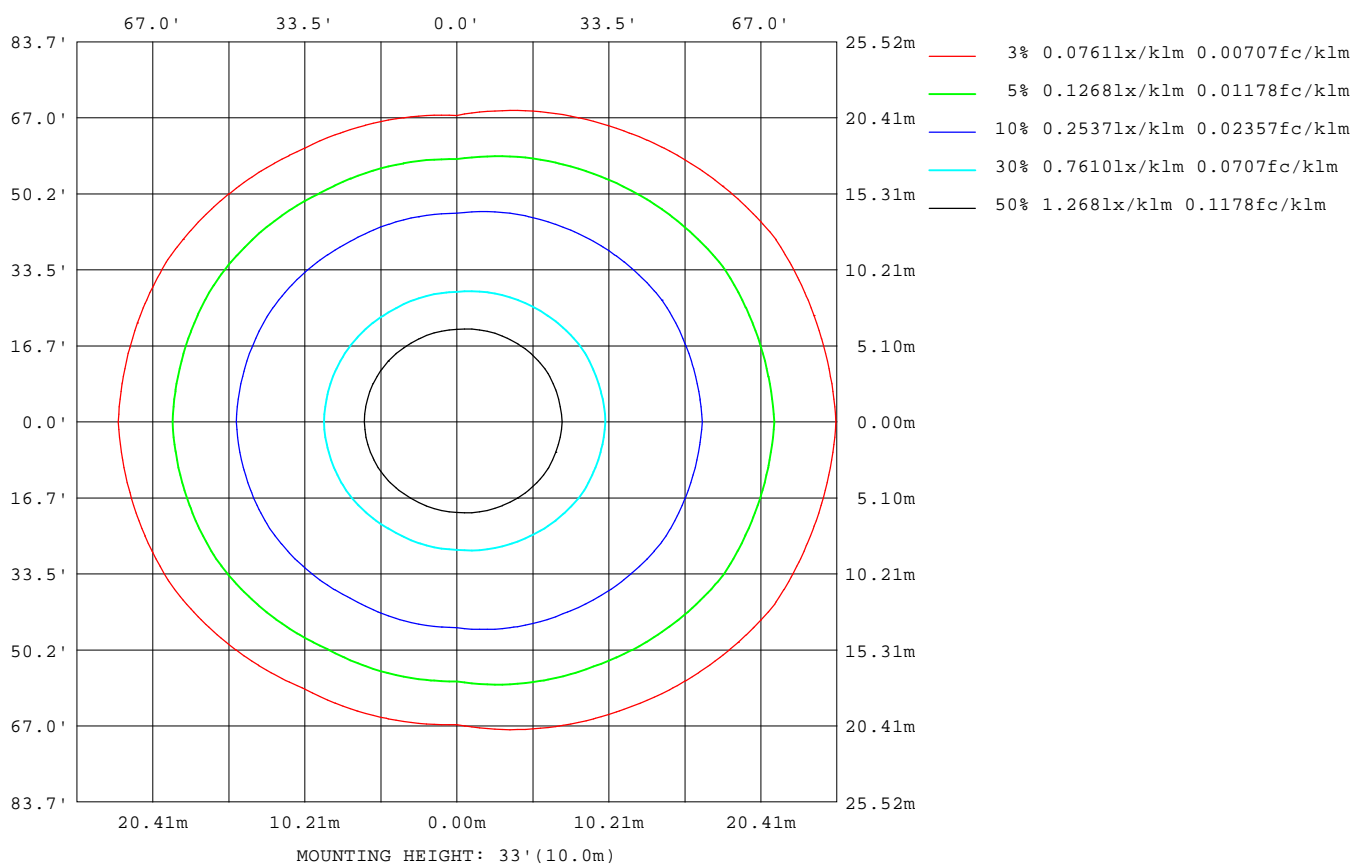
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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: 2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

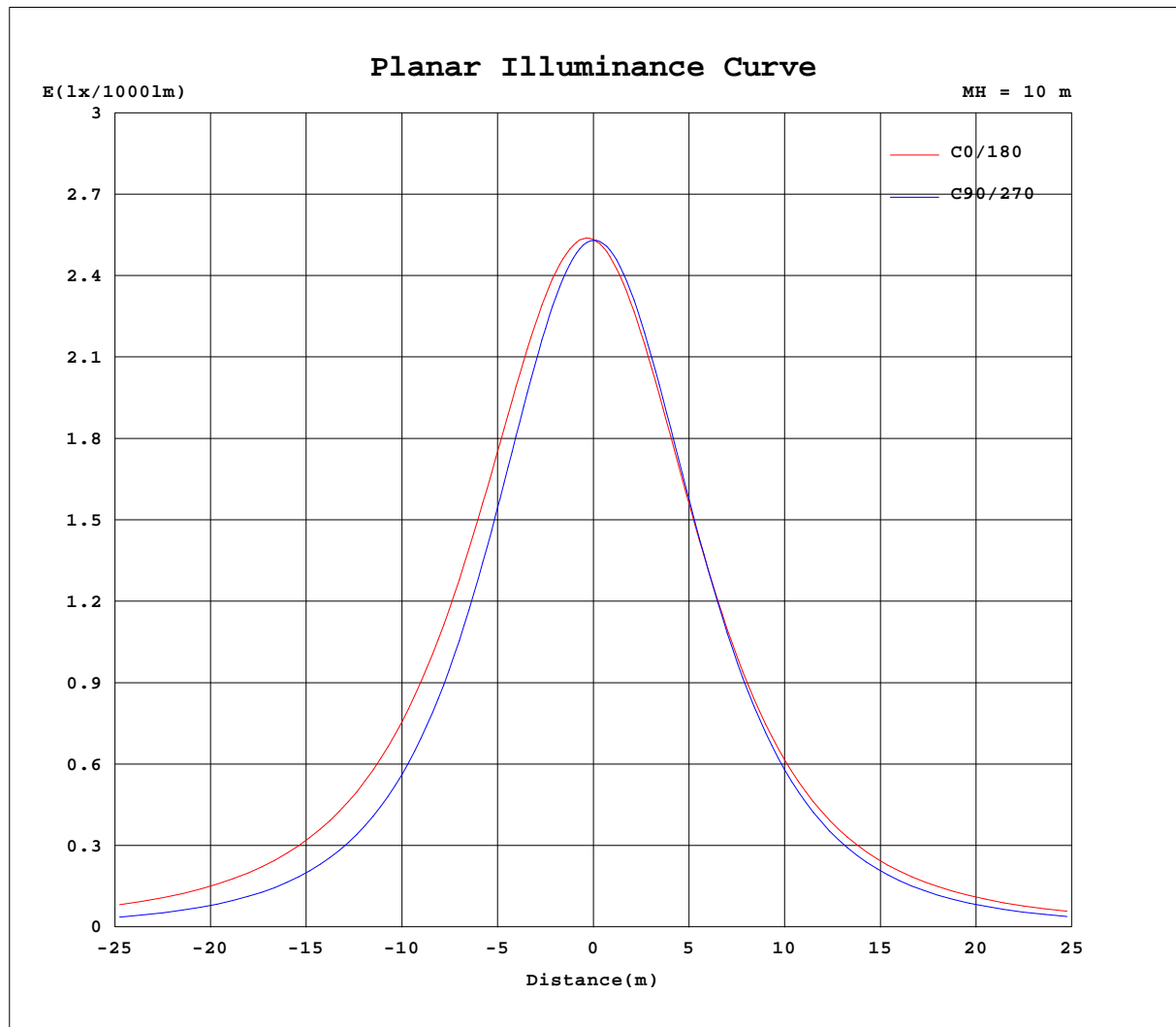
AvgL	cd/m2
L_0~180(65)av	2456
L_0~180(75)av	3277
L_0~180(85)av	7715
L_90~270(65)av	1473
L_90~270(75)av	1294
L_90~270(85)av	960
L_45(65)av	2034
L_45(75)av	2514
L_45(85)av	5444

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

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: 2022-10-17

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:120.26V I:0.1577A P:18.165W PF:0.9578 Freq:50.80Hz Lamp Flux:2333.37x1 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	253	253	253	253	253	253	253	253	253	253	253	253					
5	255	254	253	251	250	250	250	250	251	252	254	255					
10	256	254	250	247	244	245	245	245	246	249	252	255					
15	254	252	246	240	237	237	238	238	240	243	249	253					
20	251	247	239	231	227	229	230	230	231	235	243	249					
25	247	242	230	220	216	219	221	221	220	224	234	244					
30	241	234	219	207	203	207	211	210	208	212	224	236					
35	233	225	207	192	188	195	200	197	194	197	212	227					
40	224	215	193	176	173	182	187	184	179	181	198	217					
45	214	203	178	159	156	167	174	170	163	164	184	206					
50	203	191	163	141	140	153	161	156	146	146	168	193					
55	191	178	147	123	123	138	147	141	129	127	151	180					
60	178	164	130	103	106	124	133	127	112	107	134	166					
65	165	150	114	83.5	89.0	110	120	112	94.8	87.3	118	152					
70	152	136	97.8	63.8	73.4	96.6	107	98.8	78.4	67.1	101	138					
75	138	123	82.7	44.7	58.9	83.7	94.4	86.1	63.6	47.2	84.9	124					
80	125	110	68.8	26.6	46.2	72.2	82.6	74.4	50.3	28.1	69.9	110					
85	113	97.7	56.5	11.1	35.3	61.8	71.9	63.8	39.0	11.8	56.8	97.9					
90	100	86.1	45.9	1.51	26.5	52.3	62.2	54.1	29.6	1.55	45.4	86.1					
95	88.9	75.2	36.8	0.52	19.5	44.0	53.4	45.5	22.0	0.41	35.4	75.0					
100	78.2	65.4	29.5	0.67	14.3	36.6	45.5	37.7	16.3	0.58	27.4	64.3					
105	68.2	56.4	22.0	0.86	9.84	30.3	38.4	31.2	11.4	0.75	20.6	55.2					
110	59.2	47.9	18.3	1.03	7.62	23.8	32.0	24.7	8.74	0.92	17.1	46.2					
115	49.9	40.0	15.5	1.20	5.99	19.3	25.9	20.0	6.84	1.11	13.3	38.8					
120	42.7	34.0	12.3	1.39	4.84	15.8	21.2	16.2	5.42	1.30	11.5	33.0					
125	36.1	28.8	10.0	1.59	4.07	12.8	17.3	13.1	4.41	1.47	9.41	27.9					
130	30.3	22.9	7.79	1.77	3.52	10.3	13.9	10.4	3.71	1.64	7.88	22.8					
135	25.3	17.7	6.99	1.92	3.07	8.11	11.0	8.16	3.20	1.80	6.68	17.3					
140	20.8	13.7	6.11	2.06	2.70	6.43	8.47	6.40	2.78	1.95	5.82	13.0					
145	17.0	10.7	5.41	2.23	2.45	5.14	6.51	5.07	2.43	2.09	5.11	10.3					
150	13.8	7.98	4.86	2.38	2.50	4.12	5.01	4.00	2.41	2.26	4.45	8.15					
155	11.0	6.73	4.60	2.50	2.59	3.29	3.82	3.16	2.46	2.37	4.17	6.49					
160	8.59	5.47	3.94	2.61	2.67	2.80	2.91	2.73	2.56	2.50	3.82	5.17					
165	6.57	4.53	3.71	2.70	2.75	2.77	2.66	2.72	2.65	2.61	3.65	4.38					
170	3.48	3.70	3.03	2.74	2.82	2.79	2.72	2.78	2.76	2.70	2.97	3.77					
175	2.95	2.99	2.80	2.80	2.82	2.85	2.77	2.85	2.80	2.78	2.80	2.90					
180	2.80	2.81	2.82	2.83	2.83	2.81	2.80	2.80	2.82	2.83	2.83	2.82					

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

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	253.4	253.0	253.2	253.1	253.2	253.4	253.4	253.0	253.2	253.1
3.0	254.7	254.0	253.3	252.3	251.5	251.4	251.4	251.3	252.1	252.9
6.0	255.4	254.3	252.6	250.6	249.1	248.8	248.9	248.9	250.2	251.9
9.0	255.6	254.0	251.0	248.0	245.8	245.6	246.0	246.0	247.6	249.9
12.0	255.3	253.1	248.8	244.4	241.7	241.8	242.4	242.5	244.0	246.9
15.0	254.4	251.6	245.6	240.2	236.9	237.3	238.4	238.3	239.8	243.0
18.0	252.8	249.4	241.7	234.9	231.4	232.4	233.7	233.6	234.8	238.3
21.0	250.6	246.5	237.2	229.0	225.1	226.8	228.8	228.2	229.2	232.7
24.0	247.8	242.9	231.9	222.4	218.2	220.9	223.4	222.7	222.6	226.5
27.0	244.4	238.7	225.9	214.9	210.8	214.3	217.4	216.3	215.6	219.4
30.0	240.6	234.0	219.2	206.9	202.8	207.3	211.1	209.6	207.8	211.5
33.0	236.4	228.8	212.0	198.3	194.3	200.1	204.4	202.3	199.7	203.3
36.0	231.3	223.1	204.3	189.1	185.3	192.3	197.4	194.8	191.0	194.1
39.0	226.1	216.8	196.1	179.6	176.0	184.2	189.9	186.9	181.8	184.6
42.0	220.3	210.3	187.5	169.5	166.3	176.0	182.2	178.6	172.4	174.5
45.0	214.0	203.2	178.4	159.0	156.4	167.5	174.4	170.3	162.6	164.2
48.0	207.5	195.9	169.0	148.3	146.4	158.8	166.3	161.6	152.5	153.2
51.0	200.5	188.3	159.4	137.4	136.2	150.1	158.2	152.9	142.4	142.2
54.0	193.5	180.3	149.9	126.2	125.9	141.3	149.9	144.1	132.1	130.7
57.0	185.8	172.3	140.0	114.8	115.7	132.7	141.5	135.3	121.8	119.1
60.0	178.2	164.1	130.2	103.2	105.6	124.0	133.3	126.7	111.5	107.3
63.0	170.3	155.9	120.3	91.67	95.56	115.5	125.0	118.1	101.4	95.30
66.0	162.3	147.5	110.5	79.46	85.73	107.1	117.0	109.6	91.51	83.17
69.0	154.4	139.3	101.0	67.85	76.39	99.22	109.2	101.5	81.61	71.19
72.0	146.2	131.1	91.67	56.22	67.40	91.44	101.6	93.60	72.34	59.09
75.0	138.2	123.0	82.73	44.69	58.88	83.67	94.39	86.11	63.61	47.15
78.0	130.4	115.3	74.26	33.68	51.07	76.71	87.27	79.03	55.43	35.43
81.0	122.5	107.6	66.24	23.23	43.88	70.05	80.36	72.27	47.93	24.63
84.0	114.9	100.1	58.78	13.89	37.25	63.76	73.99	65.84	41.09	14.77
87.0	107.5	93.12	52.04	6.342	31.55	57.90	67.92	59.80	34.97	6.754
90.0	100.4	86.05	45.86	1.506	26.48	52.35	62.23	54.10	29.56	1.547
93.0	93.36	79.34	40.27	0.4195	22.08	47.18	56.84	48.75	24.79	0.3560
96.0	86.67	73.18	35.27	0.5230	18.36	42.43	51.75	43.86	20.73	0.4471
99.0	80.25	67.22	30.84	0.6383	15.24	37.97	46.99	39.06	17.35	0.5193
102.0	74.11	61.67	26.86	0.7600	12.19	33.95	42.54	34.94	14.14	0.6543
105.0	68.25	56.44	22.01	0.8606	9.842	30.26	38.41	31.18	11.36	0.7550
108.0	62.72	51.54	19.75	0.9612	8.418	26.77	34.56	27.40	9.669	0.8675
111.0	57.45	45.78	17.74	1.059	7.265	22.58	30.38	23.57	8.312	0.9590
114.0	51.50	41.25	16.16	1.167	6.312	20.06	26.96	20.87	7.177	1.072
117.0	46.94	37.54	14.18	1.276	5.459	17.82	23.96	18.41	6.218	1.183
120.0	42.70	34.03	12.31	1.391	4.838	15.81	21.24	16.22	5.419	1.295
123.0	38.59	30.83	10.81	1.514	4.344	13.97	18.80	14.27	4.765	1.403
126.0	34.86	27.85	9.667	1.626	3.948	12.28	16.55	12.49	4.240	1.509
129.0	31.41	24.41	8.261	1.733	3.620	10.75	14.53	10.89	3.829	1.611
132.0	28.25	20.55	7.429	1.833	3.339	9.364	12.68	9.446	3.496	1.707
135.0	25.26	17.69	6.989	1.925	3.070	8.115	10.96	8.159	3.202	1.801
138.0	22.36	15.28	6.450	2.005	2.837	7.043	9.407	7.037	2.943	1.893
141.0	19.93	13.03	5.953	2.086	2.631	6.138	8.048	6.104	2.697	1.977
144.0	17.68	11.20	5.531	2.197	2.472	5.366	6.859	5.302	2.489	2.061
147.0	15.60	9.677	5.168	2.302	2.473	4.710	5.867	4.610	2.392	2.181
150.0	13.75	7.978	4.857	2.375	2.497	4.120	5.010	4.004	2.410	2.256
153.0	12.08	7.105	4.664	2.446	2.543	3.594	4.263	3.479	2.431	2.322
156.0	10.10	6.436	4.532	2.525	2.606	3.144	3.606	3.019	2.477	2.390
159.0	9.068	5.697	3.998	2.593	2.657	2.821	3.064	2.740	2.535	2.465
162.0	7.929	4.905	3.829	2.649	2.707	2.771	2.720	2.704	2.593	2.539
165.0	6.573	4.526	3.708	2.701	2.752	2.770	2.663	2.719	2.655	2.606
168.0	4.107	3.900	3.462	2.719	2.780	2.769	2.679	2.762	2.719	2.660
171.0	3.367	3.612	3.043	2.758	2.831	2.791	2.731	2.792	2.780	2.719
174.0	3.000	2.998	2.820	2.788	2.814	2.833	2.763	2.836	2.782	2.768
177.0	2.795	2.805	2.809	2.814	2.832	2.820	2.784	2.814	2.812	2.806
180.0	2.802	2.806	2.820	2.826	2.830	2.811	2.802	2.803	2.818	2.827
G/C	300.0	330.0								
0.0	253.2	253.4								
3.0	254.0	254.9								
6.0	253.8	255.4								
9.0	252.8	255.2								
12.0	251.2	254.6								
15.0	248.5	253.2								
18.0	245.2	251.2								
21.0	240.9	248.4								
24.0	236.1	245.0								
27.0	230.4	241.1								
30.0	224.1	236.3								

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-10-17

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

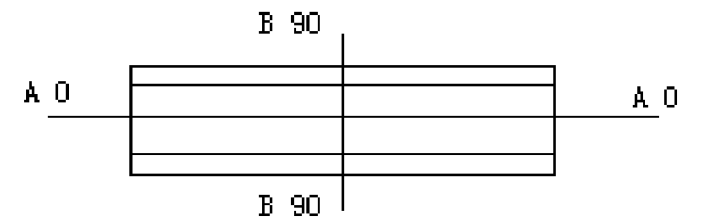
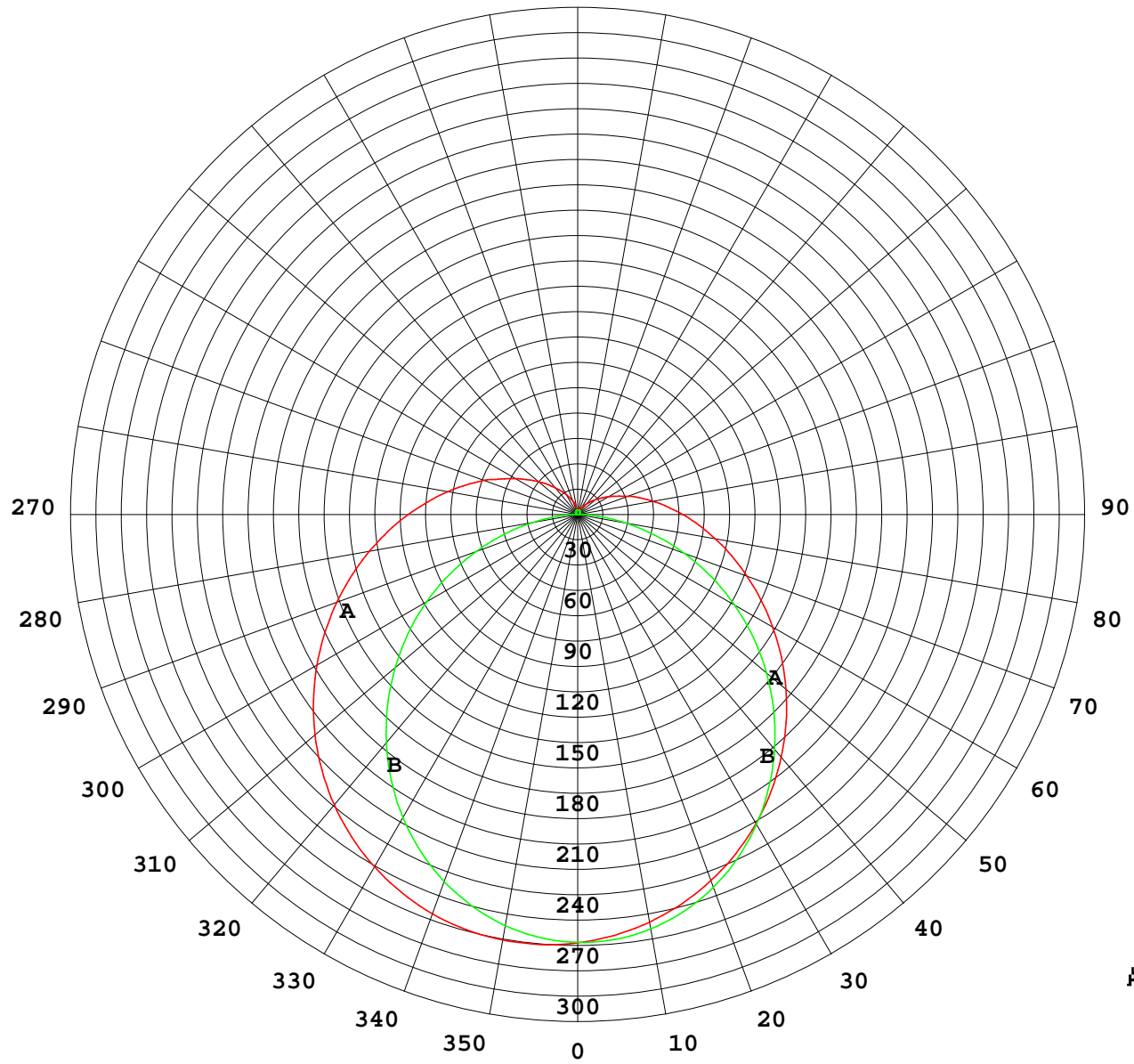
## Photometric Data Table [cd/klm]

33.0	217.1	231.3
36.0	209.5	225.4
39.0	201.3	219.2
42.0	192.7	212.6
45.0	183.6	205.5
48.0	174.1	198.1
51.0	164.6	190.4
54.0	154.7	182.4
57.0	144.5	174.2
60.0	134.4	165.9
63.0	124.3	157.3
66.0	114.1	148.9
69.0	104.2	140.5
72.0	94.44	132.2
75.0	84.88	123.9
78.0	75.71	115.9
81.0	67.21	108.0
84.0	59.30	100.4
87.0	52.07	93.06
90.0	45.44	86.12
93.0	39.34	79.32
96.0	33.45	72.73
99.0	28.65	66.33
102.0	24.97	60.45
105.0	20.56	55.21
108.0	18.47	50.26
111.0	16.23	44.30
114.0	13.39	40.13
117.0	12.85	36.42
120.0	11.49	33.01
123.0	10.16	29.87
126.0	9.077	27.00
129.0	8.155	23.55
132.0	7.402	20.60
135.0	6.679	17.25
138.0	6.118	14.46
141.0	5.661	12.65
144.0	5.235	10.84
147.0	4.893	9.352
150.0	4.451	8.154
153.0	4.356	7.100
156.0	4.078	6.193
159.0	3.868	5.420
162.0	3.693	4.638
165.0	3.648	4.378
168.0	3.134	3.857
171.0	2.968	3.643
174.0	2.785	2.959
177.0	2.808	2.802
180.0	2.830	2.815

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-10-17

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:

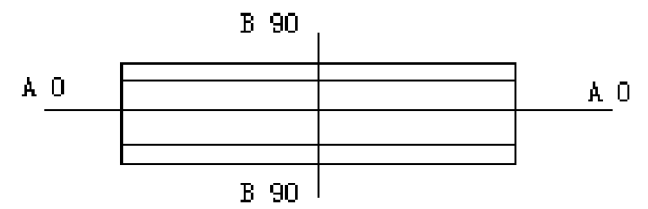
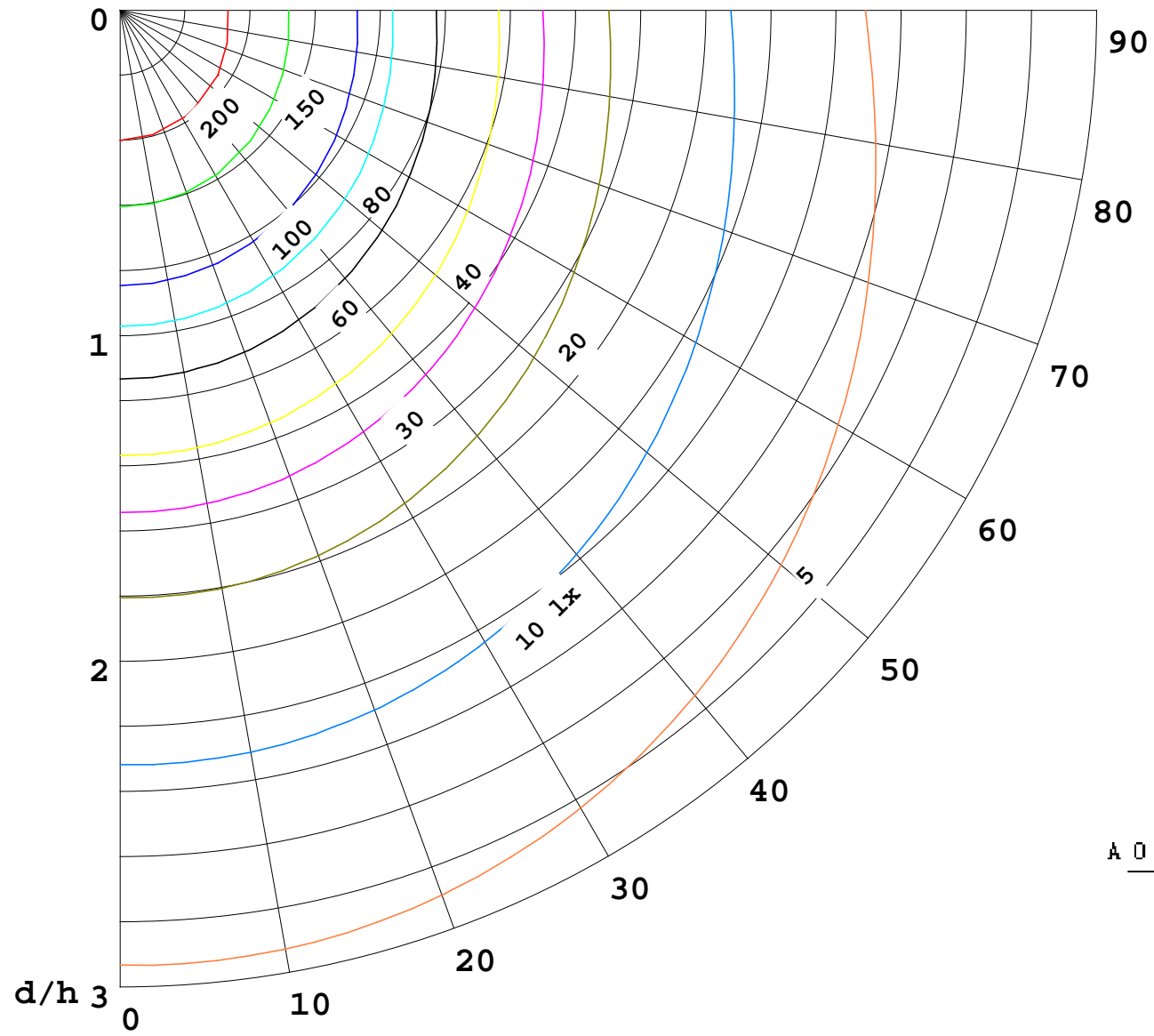
I(cd/1000 lm)





1000 lm

$K = 1$



F = 5000 lm  
K = 0.7  
Hcc = 0.0 m  
Hfc = 0.0 m  
Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

