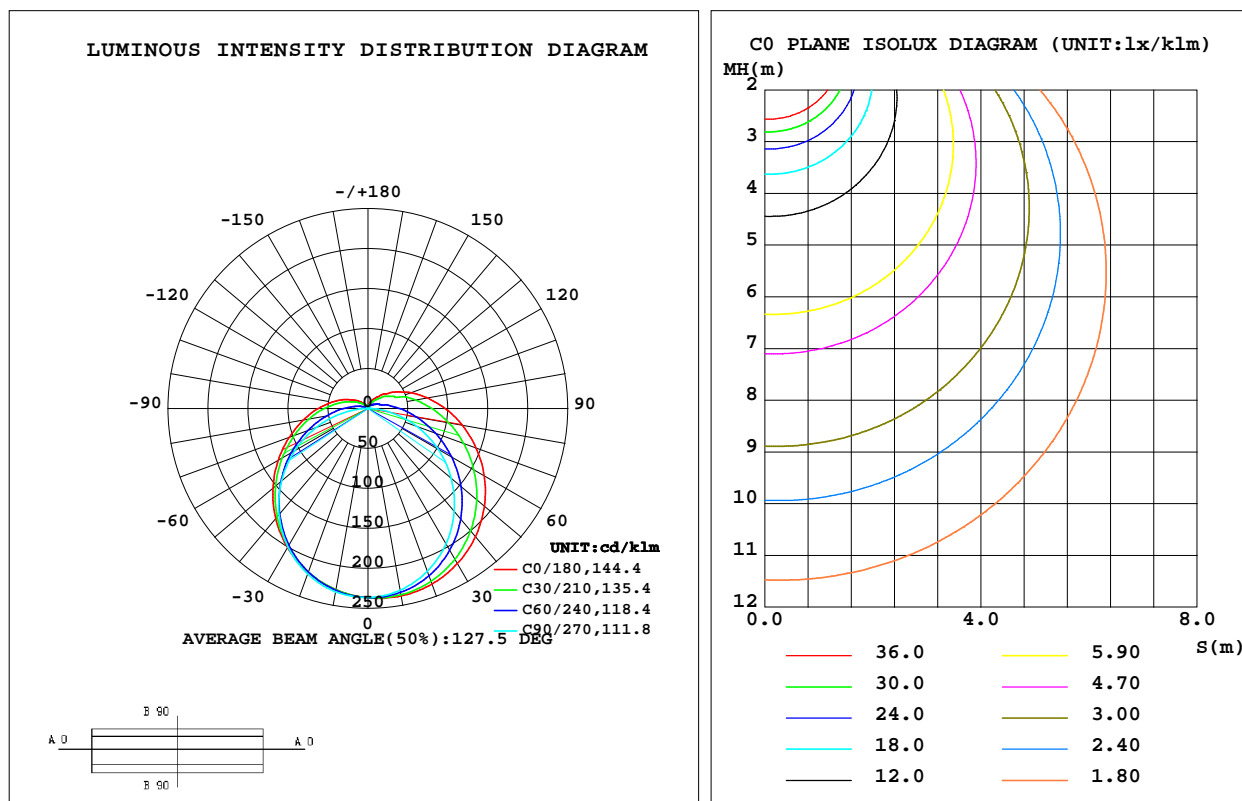


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.25V I:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.01 lm/W			
MODEL		I <sub>max</sub> (cd/klm)	238.2	S/MH(C0/180)	1.27
NOMINAL POWER(W)	15	LOR(%)	95.2	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	951.80	h UP,DN(C0-180)	6.5,41.9
NOMINAL FLUX(lm)	1951.85	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.6,41.1
LAMPS INSIDE	1	h up(%)	12.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	83.1	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-22

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	238.0	235.0	230.9	229.3	230.2	230.6	232.9	236.6	0- 10	22.41	22.41	2.35,2.24
20	233.7	226.5	216.9	215.3	218.2	217.7	220.4	229.4	10- 20	64.51	86.92	9.13,8.69
30	223.8	211.1	195.3	195.4	201.2	198.6	200.2	215.4	20- 30	98.89	185.8	19.5,18.6
40	209.2	190.0	167.8	170.8	179.7	174.3	173.1	195.3	30- 40	121.7	307.5	32.3,30.8
50	190.2	164.8	136.0	143.3	155.3	146.6	141.2	170.5	40- 50	131.0	438.6	46.1,43.9
60	167.9	136.8	100.8	114.6	129.7	117.5	105.9	142.7	50- 60	126.9	565.5	59.4,56.6
70	143.9	108.3	64.19	86.82	104.6	88.82	68.23	113.9	60- 70	111.6	677.1	71.1,67.7
80	119.6	81.85	28.38	62.46	81.82	63.28	30.55	86.99	70- 80	88.95	766.1	80.5,76.6
90	96.71	59.87	2.339	42.52	62.38	42.59	2.749	64.16	80- 90	64.43	830.5	87.3,83.1
100	76.03	43.27	0.6195	27.88	46.09	27.27	0.4968	46.18	90-100	44.71	875.2	92,87.5
110	57.91	28.82	0.9856	17.34	32.88	16.54	0.8433	32.66	100-110	30.47	905.7	95.2,90.6
120	41.82	21.10	1.323	10.88	21.72	10.32	1.199	23.02	110-120	19.60	925.3	97.2,92.5
130	29.08	14.83	1.623	6.935	13.86	6.475	1.515	16.17	120-130	12.38	937.7	98.5,93.8
140	19.36	9.745	1.888	4.296	8.138	4.031	1.786	10.36	130-140	7.146	944.8	99.3,94.5
150	13.29	6.522	2.120	2.934	4.523	2.811	2.035	6.770	140-150	3.841	948.7	99.7,94.9
160	8.403	4.693	2.317	2.398	2.397	2.348	2.217	4.722	150-160	1.978	950.6	99.9,95.1
170	3.448	3.457	2.448	2.501	2.260	2.334	2.240	3.194	160-170	0.9206	951.6	100,95.2
180	2.491	2.500	2.502	2.487	2.493	2.502	2.500	2.486	170-180	0.2508	951.8	100,95.2
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

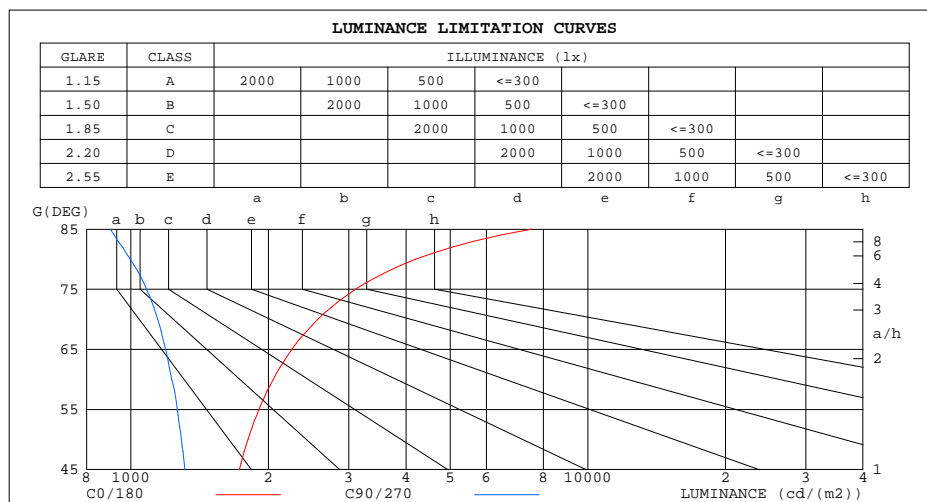
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7553	902
80	4201	997
75	3102	1082
70	2566	1145
65	2252	1193
60	2048	1229
55	1907	1264
50	1805	1291
45	1727	1314

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-09-22

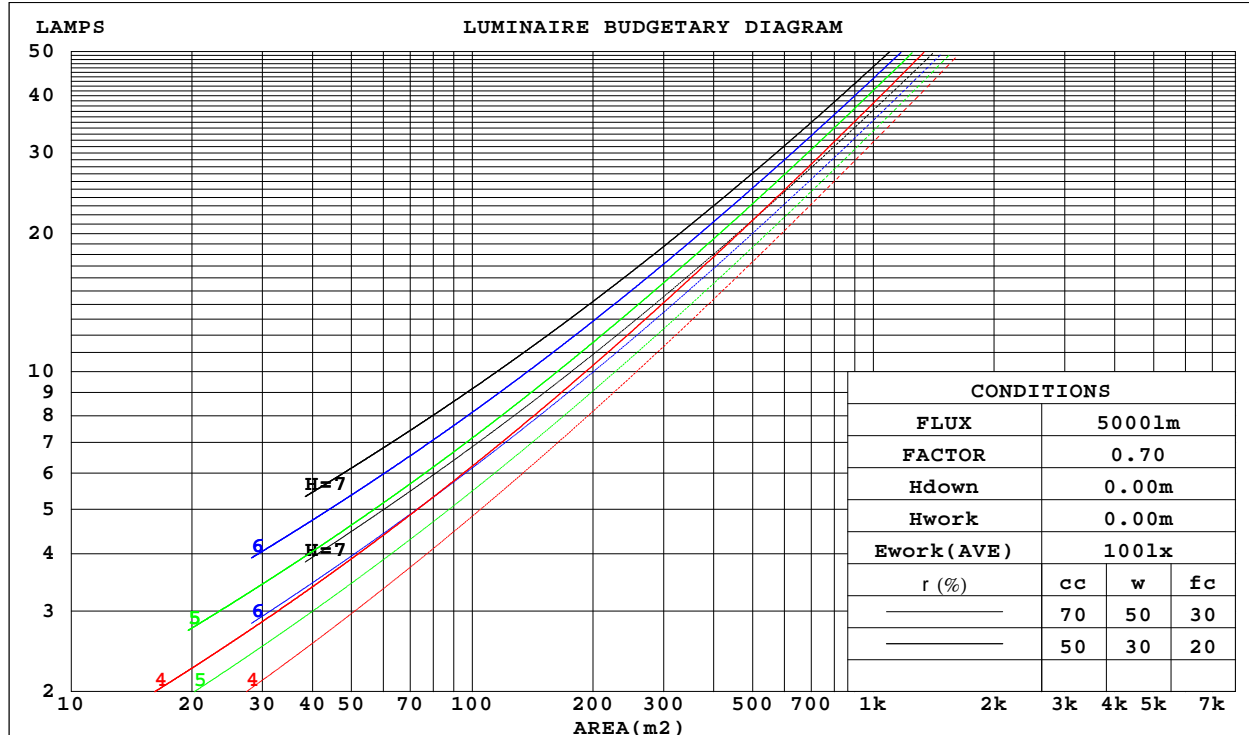
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.040m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.25V I:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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	1.10	1.10	1.10	1.06	1.06	1.06	.99	.99	.99	.92	.92	.92	.86	.86	.86	.83
1.0	.93	.88	.83	.89	.85	.81	.83	.79	.76	.77	.74	.71	.72	.69	.67	.64
2.0	.79	.72	.66	.77	.70	.64	.71	.66	.61	.66	.62	.58	.62	.58	.55	.52
3.0	.69	.61	.54	.67	.59	.53	.62	.55	.50	.58	.52	.48	.54	.49	.45	.43
4.0	.61	.52	.45	.59	.50	.44	.55	.48	.42	.51	.45	.40	.48	.43	.38	.36
5.0	.54	.45	.38	.52	.44	.38	.49	.42	.36	.46	.39	.34	.43	.37	.33	.31
6.0	.48	.40	.33	.47	.39	.33	.44	.37	.31	.41	.35	.30	.38	.33	.29	.27
7.0	.44	.35	.29	.42	.34	.29	.40	.33	.27	.37	.31	.26	.35	.30	.25	.23
8.0	.40	.31	.26	.39	.31	.25	.36	.29	.24	.34	.28	.24	.32	.27	.23	.21
9.0	.36	.28	.23	.35	.28	.23	.33	.27	.22	.31	.25	.21	.30	.24	.20	.18
10.0	.33	.26	.21	.33	.25	.20	.31	.24	.20	.29	.23	.19	.28	.22	.18	.17



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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	.358	.203	.064	.347	.198	.063	.327	.188	.060	.309	.178	.057	.292	.170	.055	
2.0	.313	.171	.053	.303	.167	.051	.286	.159	.049	.269	.151	.047	.254	.144	.045	
3.0	.279	.149	.045	.271	.145	.044	.255	.138	.042	.240	.131	.040	.226	.125	.039	
4.0	.252	.131	.039	.245	.128	.038	.230	.122	.036	.217	.116	.035	.204	.111	.034	
5.0	.230	.117	.034	.223	.114	.033	.210	.109	.032	.198	.104	.031	.186	.099	.030	
6.0	.211	.106	.030	.205	.103	.030	.193	.099	.029	.182	.094	.028	.171	.090	.027	
7.0	.195	.096	.027	.189	.094	.027	.178	.090	.026	.168	.086	.025	.159	.082	.024	
8.0	.181	.088	.025	.176	.086	.024	.166	.083	.024	.156	.079	.023	.148	.076	.022	
9.0	.169	.082	.023	.164	.080	.022	.155	.077	.022	.146	.073	.021	.138	.070	.020	
10.0	.158	.076	.021	.154	.074	.021	.145	.071	.020	.137	.068	.019	.130	.065	.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	.274	.274	.274	.234	.234	.234	.160	.160	.160	.092	.092	.092	.029	.029	.029	
1.0	.269	.241	.216	.230	.207	.186	.158	.142	.129	.091	.082	.075	.029	.027	.024	
2.0	.262	.219	.183	.225	.189	.158	.154	.131	.110	.089	.076	.065	.028	.025	.021	
3.0	.255	.203	.162	.219	.175	.140	.150	.122	.098	.087	.071	.058	.028	.023	.019	
4.0	.248	.191	.148	.213	.165	.129	.146	.115	.091	.085	.067	.054	.027	.022	.018	
5.0	.240	.182	.138	.206	.157	.120	.142	.110	.085	.082	.064	.050	.027	.021	.017	
6.0	.233	.174	.132	.201	.151	.115	.138	.106	.081	.080	.062	.048	.026	.020	.016	
7.0	.227	.168	.126	.195	.145	.110	.135	.102	.078	.078	.060	.046	.025	.020	.015	
8.0	.220	.162	.123	.190	.141	.107	.131	.099	.076	.076	.058	.045	.025	.019	.015	
9.0	.214	.158	.120	.185	.137	.104	.128	.096	.074	.074	.057	.044	.024	.019	.015	
10.0	.209	.154	.117	.180	.133	.102	.125	.094	.073	.073	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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	14.9	16.3	15.3	16.7	17.2	12.8	14.3	13.3	14.7	15.2	
	3H	17.4	18.8	17.9	19.2	19.7	14.4	15.7	14.9	16.2	16.7
	4H	18.9	20.1	19.4	20.6	21.1	15.1	16.4	15.6	16.8	17.4
	6H	20.4	21.6	20.9	22.1	22.7	15.6	16.8	16.1	17.3	17.8
	8H	21.3	22.5	21.8	23.0	23.5	15.8	16.9	16.3	17.4	18.0
	12H	22.3	23.4	22.8	23.9	24.5	15.9	17.0	16.4	17.5	18.1
4H	2H	15.4	16.7	15.9	17.1	17.7	13.9	15.2	14.4	15.7	16.2
	3H	18.2	19.4	18.8	19.9	20.4	15.7	16.9	16.3	17.4	17.9
	4H	19.9	20.9	20.4	21.4	22.0	16.6	17.6	17.2	18.2	18.8
	6H	21.6	22.6	22.2	23.1	23.8	17.3	18.2	17.9	18.8	19.4
	8H	22.6	23.5	23.2	24.1	24.7	17.6	18.4	18.2	19.0	19.7
	12H	23.8	24.6	24.4	25.2	25.8	17.8	18.6	18.4	19.2	19.9
8H	4H	20.2	21.0	20.8	21.6	22.3	17.6	18.4	18.2	19.0	19.7
	6H	22.3	23.0	22.9	23.6	24.3	18.6	19.3	19.2	19.9	20.6
	8H	23.5	24.1	24.1	24.8	25.5	19.1	19.7	19.7	20.4	21.1
	12H	24.9	25.4	25.5	26.1	26.8	19.5	20.1	20.2	20.7	21.5
12H	4H	20.2	21.0	20.8	21.6	22.3	17.9	18.7	18.5	19.3	19.9
	6H	22.4	23.0	23.0	23.7	24.4	19.1	19.8	19.8	20.4	21.1
	8H	23.7	24.3	24.4	24.9	25.7	19.8	20.3	20.4	21.0	21.7
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 / - 0.4					

CIE Pub.117, 1952 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.3$ )

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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	48	36	29	47	36	29	45	35	29	22
0.80	56	44	37	55	44	36	53	43	36	29
1.00	64	52	44	62	51	44	59	52	43	35
1.25	71	59	51	69	58	50	65	56	49	40
1.50	75	64	56	73	63	55	69	60	54	45
2.00	82	72	64	80	70	63	75	67	61	51
2.50	86	77	70	84	75	68	78	71	66	55
3.00	90	81	75	87	79	73	81	75	70	58
4.00	94	87	81	91	84	79	85	80	75	63
5.00	97	91	85	94	88	83	87	83	79	66
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

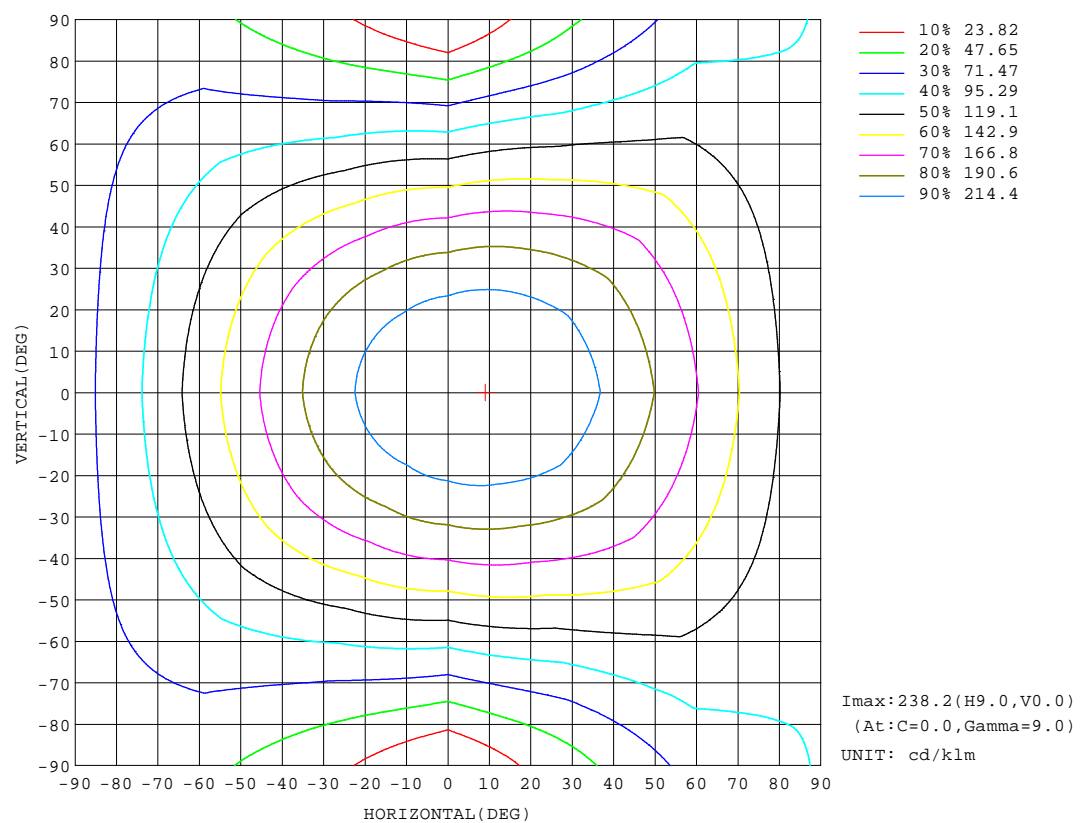
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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: 2022-09-22

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:

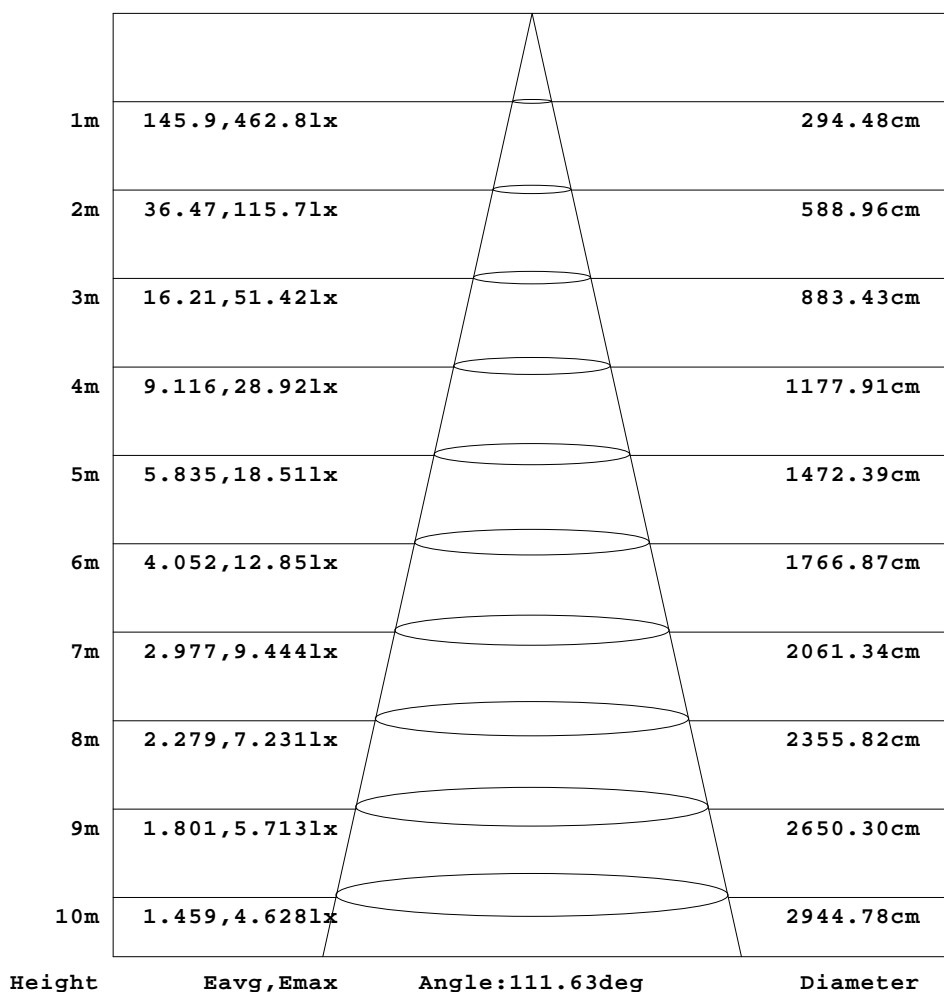


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

Test:U:120.25V I:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1007 lm



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

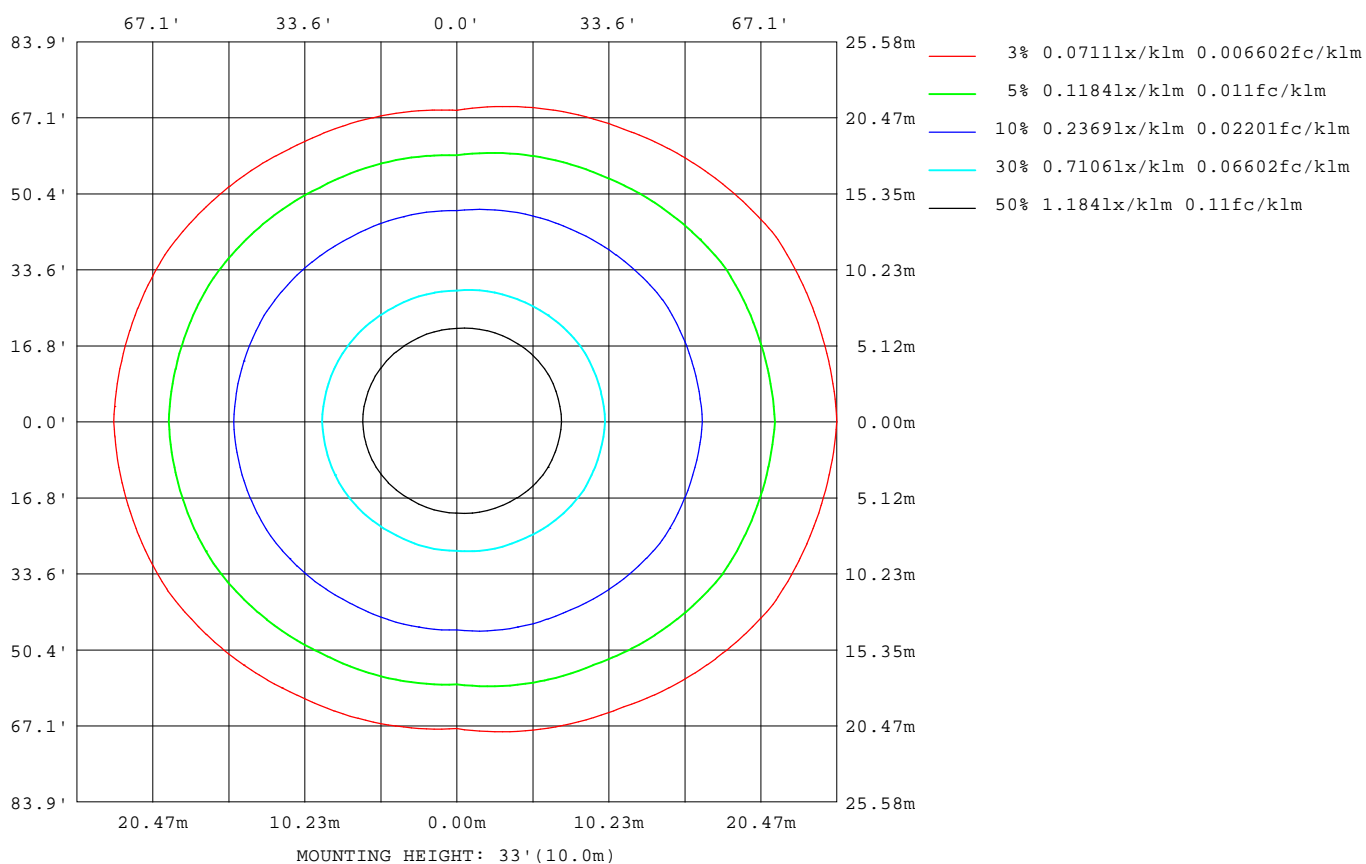
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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: 2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

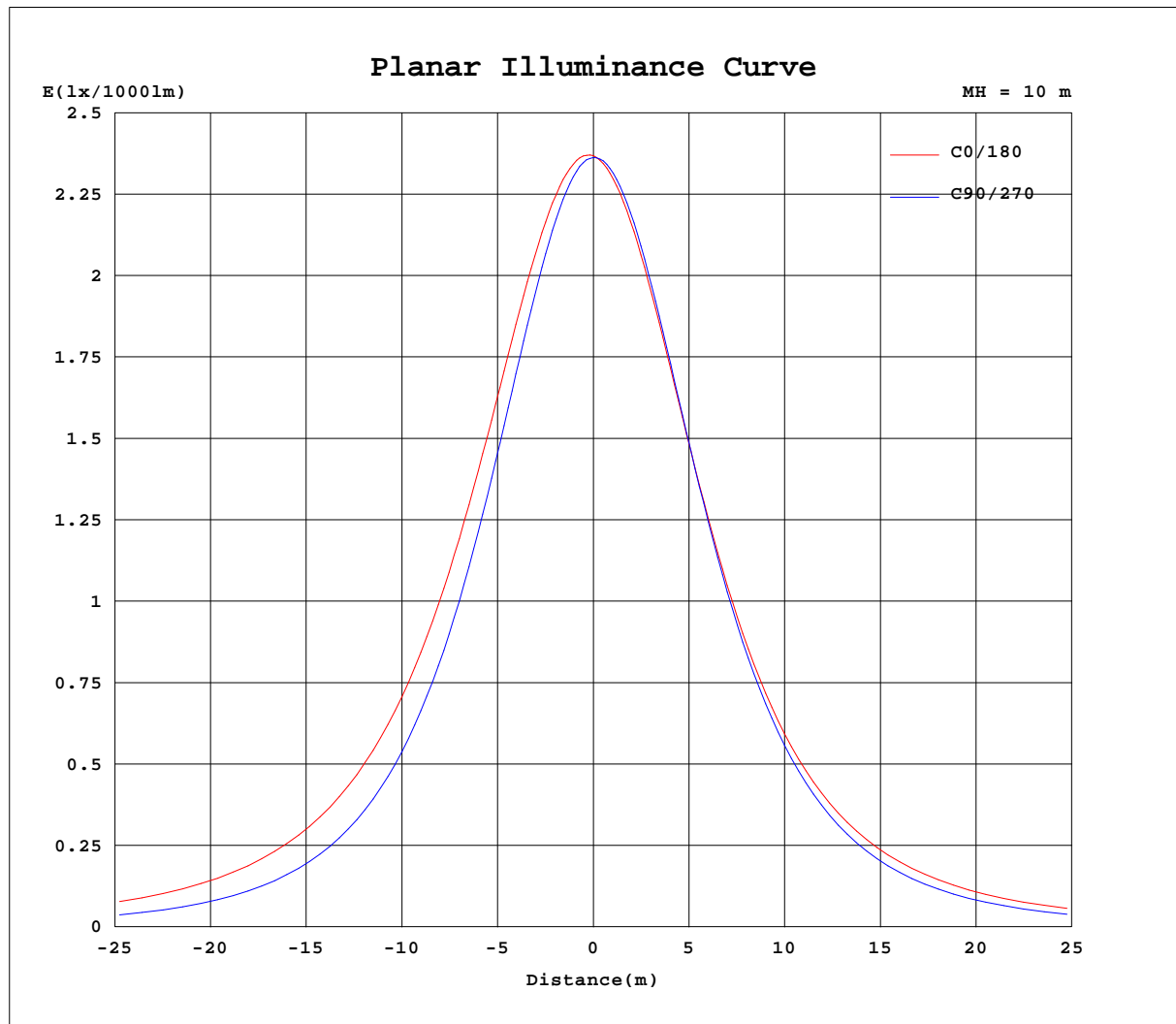
AvgL	cd/m2
L_0~180(65)av	1970
L_0~180(75)av	2643
L_0~180(85)av	6286
L_90~270(65)av	1225
L_90~270(75)av	1120
L_90~270(85)av	948
L_45(65)av	1644
L_45(75)av	2049
L_45(85)av	4455

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-22

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: 2022-09-22

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:0.1295A P:14.861W PF:0.9545 Freq:50.80Hz Lamp Flux:1951.85x1 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	237	237	236	236	236	237	237	237	236	236	236	237					
5	238	237	236	235	234	234	234	234	235	236	237	238					
10	238	237	233	231	229	229	230	230	231	233	236	238					
15	237	234	229	225	223	224	225	225	225	228	232	236					
20	234	230	223	217	214	216	218	218	218	220	227	232					
25	229	225	215	207	205	208	210	209	209	211	219	227					
30	224	218	205	195	193	198	201	200	198	200	210	221					
35	217	209	193	182	181	186	191	189	185	187	199	213					
40	209	200	180	168	167	175	180	177	172	173	187	203					
45	200	189	167	152	153	162	168	164	157	158	174	193					
50	190	178	152	136	138	149	155	151	142	141	159	182					
55	179	165	137	119	122	136	143	137	127	124	144	170					
60	168	153	121	101	107	122	130	124	111	106	128	157					
65	156	140	105	82.6	91.9	109	117	111	94.8	87.2	112	144					
70	144	127	89.5	64.2	77.3	96.3	105	97.9	79.7	68.2	96.3	132					
75	132	115	74.9	45.9	63.7	84.6	92.7	85.9	65.2	49.1	81.4	119					
80	120	102	61.5	28.4	51.3	73.7	81.8	74.6	52.0	30.6	67.6	106					
85	108	90.7	49.8	12.9	40.1	63.5	71.7	64.2	40.4	14.2	55.4	94.6					
90	96.7	80.1	39.6	2.34	30.7	54.3	62.4	54.7	30.5	2.75	44.8	83.5					
95	86.1	70.2	31.7	0.44	23.1	46.0	53.8	45.9	22.4	0.34	35.8	73.3					
100	76.0	61.2	25.4	0.62	17.2	38.6	46.1	38.3	16.3	0.50	28.6	63.8					
105	66.6	53.0	18.0	0.81	11.7	32.1	39.1	31.6	10.9	0.67	22.0	55.2					
110	57.9	42.2	15.4	0.99	8.83	25.8	32.9	25.0	8.05	0.84	18.3	47.0					
115	49.0	36.4	13.4	1.15	6.73	20.4	26.6	20.1	6.05	1.03	15.4	39.3					
120	41.8	31.0	11.2	1.32	5.17	16.6	21.7	16.0	4.62	1.20	12.6	33.4					
125	35.6	26.9	9.39	1.48	4.16	13.3	17.5	12.7	3.71	1.36	10.6	28.4					
130	29.1	21.7	7.94	1.62	3.45	10.4	13.9	9.84	3.11	1.51	8.68	23.7					
135	24.9	17.2	6.68	1.76	2.87	8.04	10.7	7.55	2.63	1.66	7.32	18.1					
140	19.4	13.6	5.86	1.89	2.43	6.16	8.14	5.80	2.26	1.79	6.40	14.3					
145	15.9	10.6	5.28	2.00	2.19	4.77	6.11	4.49	2.11	1.92	5.57	11.1					
150	13.3	8.40	4.64	2.12	2.21	3.66	4.52	3.47	2.15	2.04	4.88	8.66					
155	10.4	6.34	4.36	2.23	2.30	2.80	3.29	2.70	2.23	2.14	4.40	6.85					
160	8.40	5.38	4.01	2.32	2.39	2.41	2.40	2.40	2.29	2.22	4.03	5.42					
165	6.18	4.37	3.81	2.39	2.46	2.41	2.21	2.34	2.29	2.21	3.61	4.17					
170	3.45	3.77	3.14	2.45	2.55	2.46	2.26	2.34	2.32	2.24	2.78	3.61					
175	2.87	2.95	2.59	2.47	2.50	2.52	2.34	2.40	2.35	2.33	2.40	2.56					
180	2.49	2.50	2.50	2.50	2.50	2.47	2.49	2.50	2.50	2.50	2.50	2.47					

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-22

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	236.9	236.6	236.5	236.3	236.4	236.7	236.9	236.6	236.5	236.3
3.0	237.8	237.3	236.4	235.7	235.1	235.2	235.4	235.4	235.7	236.2
6.0	238.1	237.3	235.7	234.3	233.1	233.1	233.5	233.6	234.2	235.3
9.0	238.2	236.8	234.2	231.9	230.4	230.5	231.1	231.2	231.9	233.5
12.0	237.7	236.0	232.0	228.7	226.8	227.2	228.2	228.1	228.9	231.0
15.0	236.7	234.3	229.1	224.8	222.7	223.5	224.8	224.7	225.4	227.7
18.0	235.0	232.0	225.5	220.2	217.9	219.2	220.9	220.7	221.0	223.5
21.0	233.0	229.2	221.2	215.0	212.6	214.5	216.6	216.1	216.0	218.7
24.0	230.5	225.9	216.4	209.0	206.7	209.4	211.9	211.2	210.5	213.1
27.0	227.2	222.0	210.7	202.5	200.2	203.7	206.8	205.6	204.3	206.9
30.0	223.8	217.6	204.5	195.3	193.2	197.5	201.2	199.7	197.6	200.2
33.0	219.9	212.8	198.0	187.7	185.8	191.1	195.1	193.2	190.5	192.7
36.0	215.7	207.4	190.9	179.5	178.0	184.3	188.7	186.5	182.7	184.6
39.0	210.8	201.7	183.2	170.8	169.7	177.0	182.0	179.3	174.5	176.0
42.0	205.7	195.6	175.1	161.9	161.3	169.7	175.0	171.9	166.2	167.1
45.0	200.2	189.1	166.7	152.3	152.5	162.0	167.8	164.2	157.4	157.8
48.0	194.3	182.2	157.9	142.6	143.6	154.1	160.3	156.3	148.4	147.9
51.0	188.1	175.3	148.9	132.6	134.5	146.3	152.8	148.3	139.2	137.8
54.0	181.6	167.9	139.5	122.3	125.3	138.2	145.2	140.1	129.9	127.4
57.0	174.9	160.5	130.1	111.9	116.1	130.3	137.3	132.1	120.3	116.7
60.0	167.9	152.8	120.7	100.8	106.9	122.4	129.7	124.0	111.0	105.9
63.0	160.8	145.2	111.2	89.84	97.88	114.5	122.0	116.0	101.0	94.67
66.0	153.6	137.5	101.8	78.89	88.86	106.7	114.6	108.1	91.72	83.36
69.0	146.3	129.8	92.61	67.98	80.22	98.83	107.3	100.5	82.71	72.05
72.0	138.9	122.2	83.56	56.90	71.78	91.54	99.58	93.01	73.81	60.59
75.0	131.6	114.7	74.87	45.93	63.73	84.57	92.69	85.87	65.24	49.14
78.0	124.5	107.6	66.76	35.33	56.08	77.96	86.12	79.02	57.13	37.83
81.0	117.2	99.85	59.03	25.08	48.82	71.60	79.80	72.50	49.57	27.09
84.0	110.2	92.96	51.97	15.75	42.10	65.50	73.70	66.26	42.51	17.20
87.0	103.4	86.43	45.34	7.908	36.16	59.80	67.88	60.35	36.19	8.800
90.0	96.71	80.10	39.63	2.339	30.74	54.30	62.38	54.72	30.46	2.749
93.0	90.25	74.10	34.65	0.4340	25.97	49.20	57.16	49.31	25.38	0.3759
96.0	83.94	68.34	30.31	0.4778	21.79	44.44	52.25	44.29	21.04	0.3552
99.0	77.91	62.90	26.50	0.5854	18.22	39.97	47.59	39.71	17.37	0.4574
102.0	72.11	57.75	23.20	0.7039	15.18	35.88	43.23	35.46	14.16	0.5759
105.0	66.60	53.00	18.01	0.8098	11.66	32.08	39.15	31.62	10.92	0.6746
108.0	61.26	48.11	16.35	0.9139	9.877	28.52	35.31	27.99	9.084	0.7697
111.0	56.23	39.96	14.96	1.022	8.364	24.30	31.48	23.81	7.591	0.8827
114.0	50.73	36.86	13.98	1.118	7.137	21.19	27.63	20.96	6.398	0.9887
117.0	45.96	34.18	12.43	1.223	6.003	18.82	24.56	18.38	5.406	1.096
120.0	41.82	31.00	11.20	1.323	5.167	16.60	21.72	16.03	4.621	1.199
123.0	37.97	28.54	10.06	1.422	4.536	14.56	19.11	13.94	4.026	1.299
126.0	33.86	26.14	9.101	1.515	4.004	12.66	16.72	12.07	3.570	1.393
129.0	29.51	23.01	8.219	1.599	3.575	10.95	14.55	10.38	3.213	1.484
132.0	27.54	19.29	7.435	1.682	3.218	9.430	12.57	8.860	2.907	1.568
135.0	24.94	17.19	6.680	1.765	2.869	8.039	10.75	7.547	2.627	1.656
138.0	20.96	15.02	5.996	1.838	2.580	6.850	9.107	6.432	2.385	1.741
141.0	18.73	12.92	5.796	1.910	2.365	5.861	7.696	5.515	2.203	1.813
144.0	16.75	11.12	5.404	1.982	2.205	5.013	6.467	4.723	2.111	1.892
147.0	14.60	9.633	5.059	2.048	2.195	4.288	5.429	4.049	2.118	1.967
150.0	13.29	8.400	4.645	2.120	2.209	3.658	4.523	3.473	2.150	2.035
153.0	11.74	7.278	4.398	2.192	2.259	3.105	3.732	2.979	2.195	2.102
156.0	9.885	6.199	4.328	2.251	2.328	2.655	3.083	2.569	2.246	2.161
159.0	8.743	5.502	4.047	2.301	2.371	2.421	2.549	2.427	2.288	2.209
162.0	7.880	4.902	3.919	2.351	2.414	2.400	2.270	2.364	2.290	2.215
165.0	6.179	4.375	3.814	2.393	2.462	2.414	2.208	2.335	2.287	2.211
168.0	3.997	4.025	3.628	2.429	2.511	2.437	2.226	2.321	2.290	2.208
171.0	3.318	3.684	3.008	2.461	2.561	2.464	2.274	2.358	2.306	2.260
174.0	3.049	3.095	2.718	2.473	2.502	2.506	2.326	2.419	2.335	2.312
177.0	2.492	2.536	2.486	2.488	2.504	2.463	2.427	2.462	2.438	2.426
180.0	2.491	2.498	2.502	2.502	2.504	2.470	2.493	2.500	2.504	2.500
G/C	300.0	330.0								
0.0	236.4	236.7								
3.0	237.1	237.6								
6.0	237.0	237.9								
9.0	236.1	237.7								
12.0	234.5	237.0								
15.0	232.2	235.7								
18.0	229.1	233.7								
21.0	225.4	231.3								
24.0	221.0	228.2								
27.0	215.9	224.6								
30.0	210.2	220.6								

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-09-22

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:

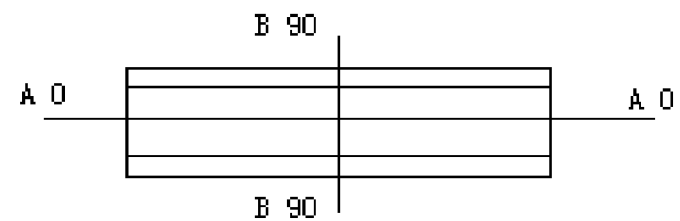
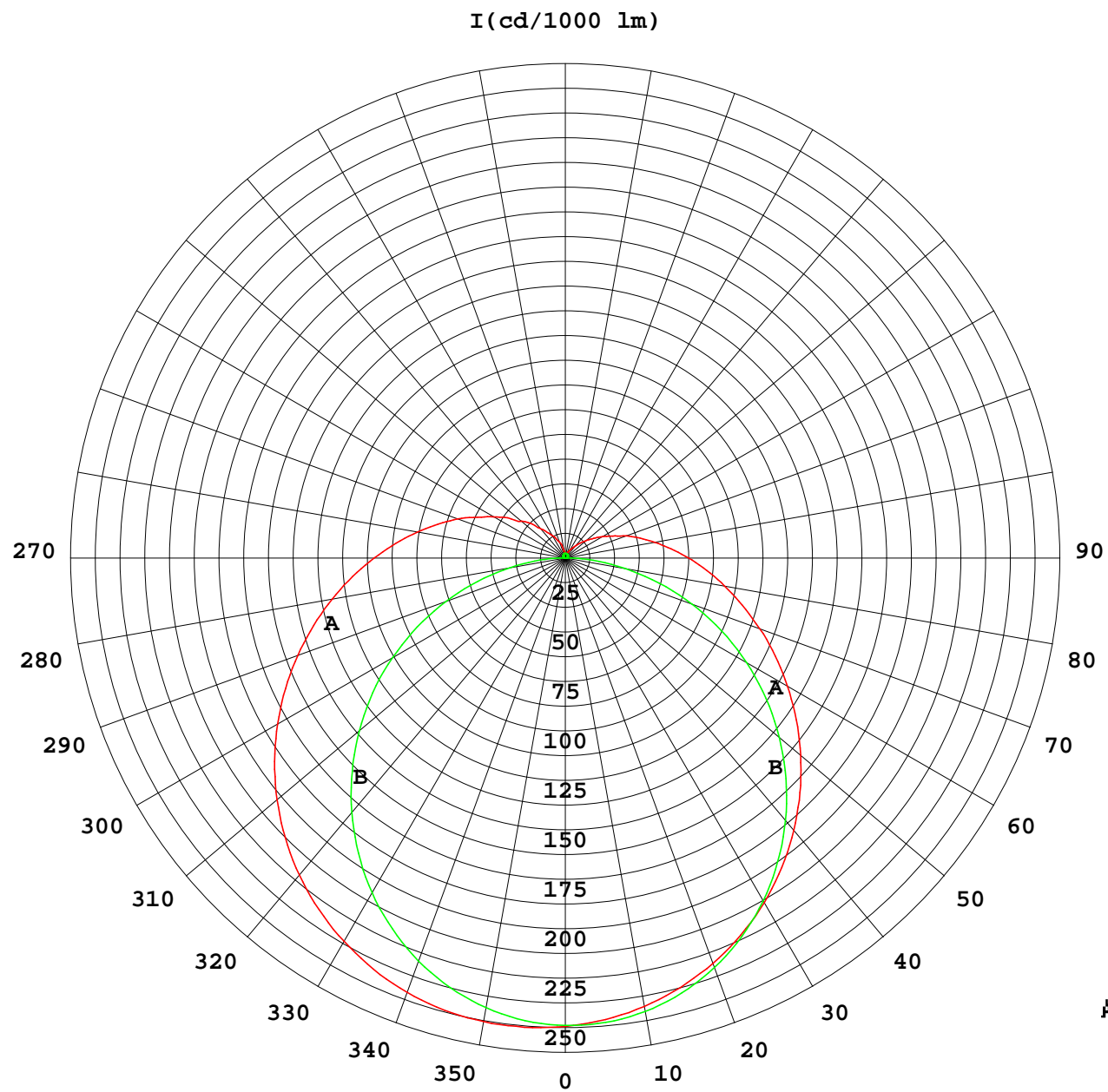
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### Photometric Data Table [cd/klm]

33.0	204.0	216.0
36.0	197.2	210.9
39.0	189.7	205.3
42.0	181.8	199.4
45.0	173.7	193.2
48.0	165.0	186.4
51.0	156.2	179.4
54.0	147.0	172.2
57.0	137.6	164.7
60.0	128.2	157.2
63.0	118.6	149.5
66.0	109.1	141.7
69.0	99.37	134.0
72.0	90.19	126.3
75.0	81.40	118.7
78.0	73.01	111.2
81.0	65.10	103.9
84.0	57.67	96.85
87.0	50.92	90.00
90.0	44.79	83.54
93.0	39.16	77.24
96.0	34.13	71.31
99.0	29.82	65.61
102.0	26.33	60.17
105.0	22.02	55.16
108.0	19.62	50.37
111.0	17.63	44.95
114.0	15.85	40.51
117.0	14.53	36.93
120.0	12.62	33.41
123.0	11.39	30.22
126.0	10.14	27.48
129.0	9.006	24.85
132.0	8.085	21.75
135.0	7.317	18.13
138.0	6.755	15.71
141.0	6.226	13.57
144.0	5.713	11.65
147.0	5.275	10.01
150.0	4.878	8.661
153.0	4.451	7.518
156.0	4.366	6.513
159.0	4.134	5.676
162.0	3.756	4.751
165.0	3.612	4.174
168.0	3.355	3.792
171.0	2.615	3.483
174.0	2.485	2.530
177.0	2.425	2.409
180.0	2.502	2.470

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-22

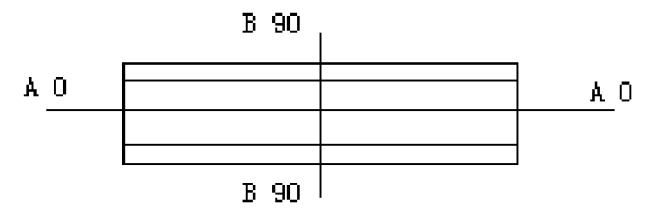
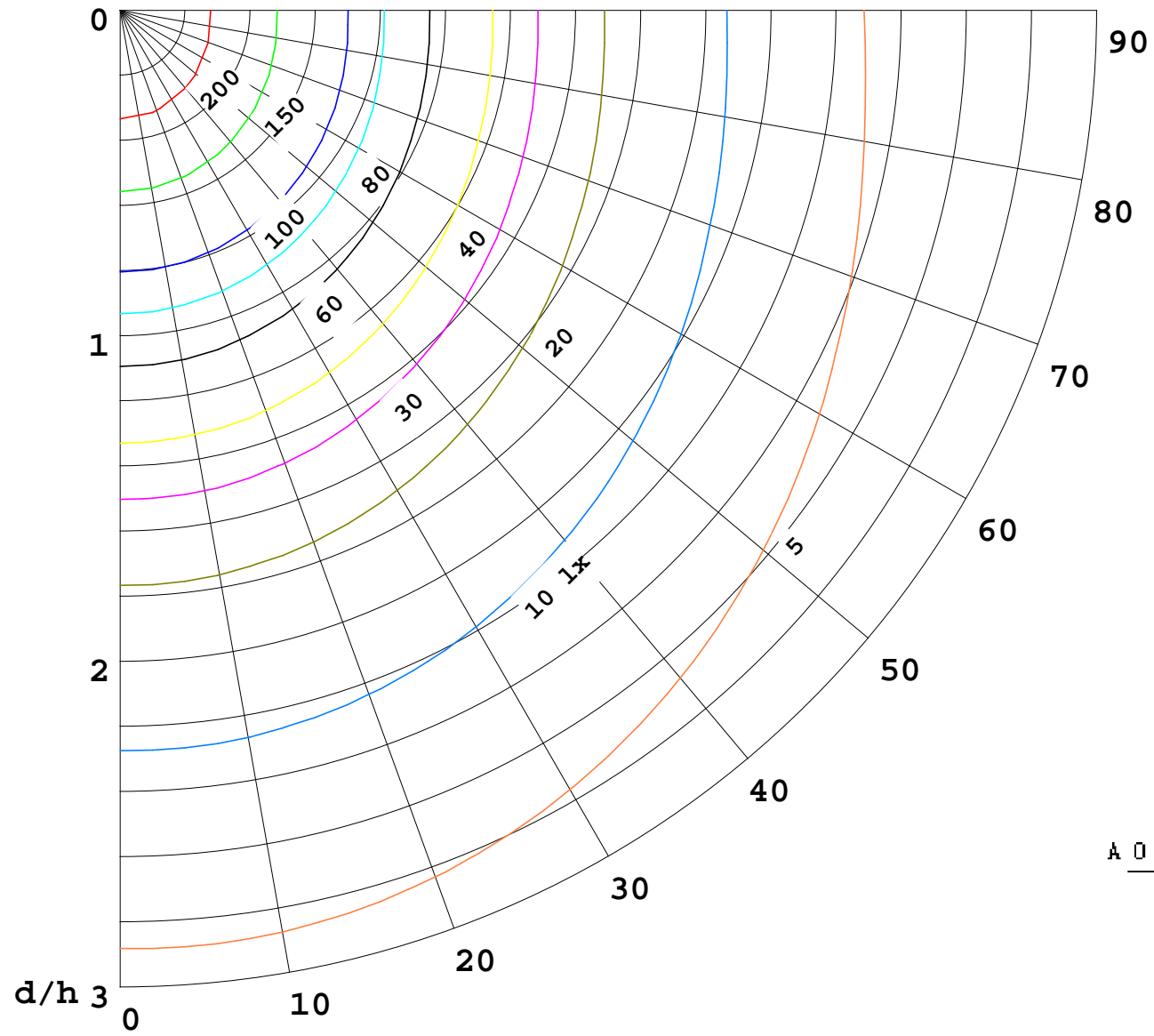
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.040m [K=1.0000]  
Remarks:





1000 lm

$K = 1$



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

