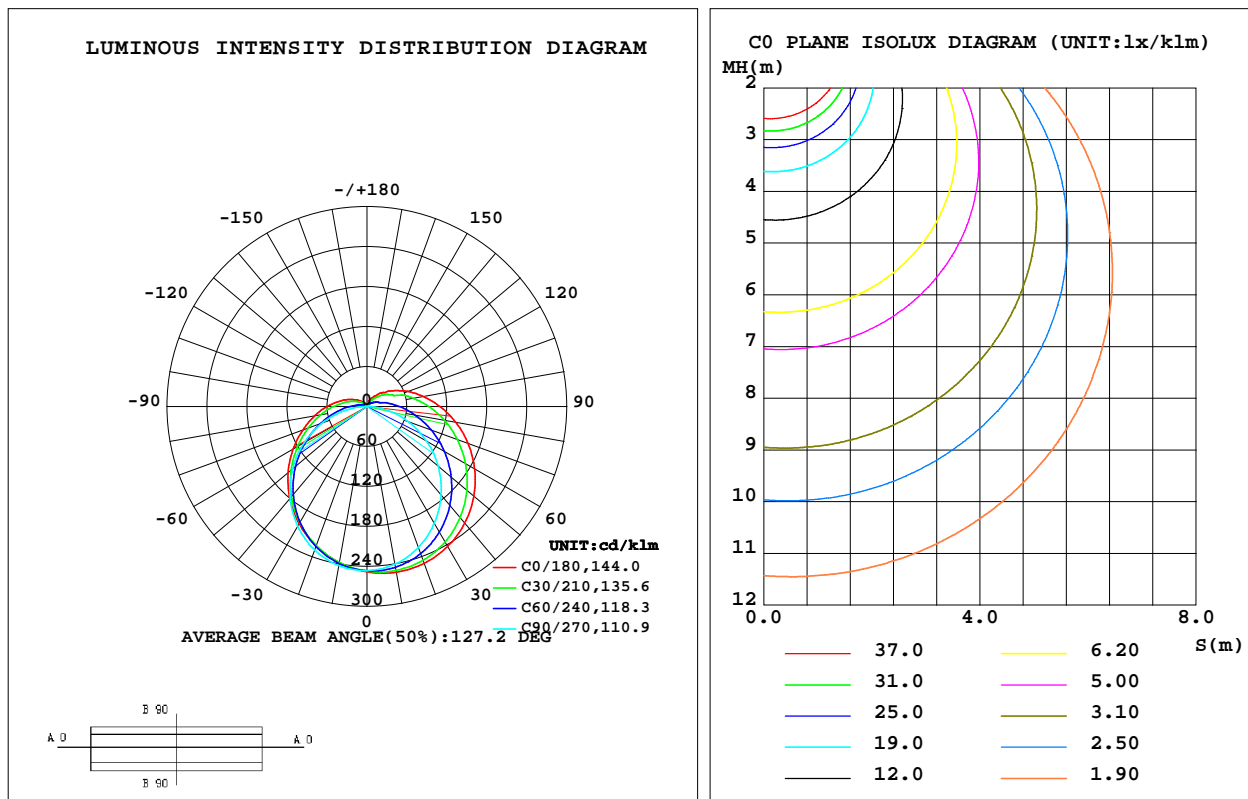


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: DURALED		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.66 lm/W			
MODEL		I _{max} (cd/klm)	252.6	S/MH(C0/180)	1.23
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1000.0	h UP,DN(C0-180)	7.2,44.2
NOMINAL FLUX(lm)	1844.86	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.9,42.6
LAMPS INSIDE	1	h up(%)	13.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	86.9	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	252.5	247.5	240.4	236.8	238.0	238.8	242.5	248.9	0- 10	23.38	23.38	2.34,2.34
20	250.6	240.3	225.4	219.9	222.9	223.0	229.3	243.5	10- 20	67.30	90.68	9.07,9.07
30	242.4	226.0	202.3	197.2	203.5	201.2	207.7	230.5	20- 30	103.1	193.8	19.4,19.4
40	228.4	205.6	173.2	170.2	180.1	174.4	179.2	211.1	30- 40	126.9	320.7	32.1,32.1
50	209.6	180.5	139.8	140.7	154.6	144.5	145.8	186.6	40- 50	136.6	457.3	45.7,45.7
60	186.6	152.4	102.8	110.5	128.1	113.3	108.9	158.8	50- 60	132.6	589.9	59,59
70	161.3	123.2	64.99	81.81	102.1	83.76	70.10	129.5	60- 70	116.8	706.7	70.7,70.7
80	134.9	95.36	28.31	57.44	79.53	58.19	31.46	101.0	70- 80	93.65	800.4	80,80
90	109.7	70.80	2.242	38.61	60.10	38.29	2.975	75.82	80- 90	68.46	868.9	86.9,86.9
100	86.63	51.56	0.6308	25.25	44.01	24.51	0.4915	55.09	90-100	47.97	916.8	91.7,91.7
110	66.36	34.17	0.9953	15.94	31.20	15.10	0.8447	39.05	100-110	32.98	949.8	95,95
120	48.08	24.87	1.337	10.24	20.70	9.662	1.213	27.06	110-120	21.36	971.2	97.1,97.1
130	33.11	17.04	1.654	6.685	13.35	6.227	1.545	18.77	120-130	13.54	984.7	98.5,98.5
140	21.93	10.85	1.926	4.246	7.974	3.994	1.827	11.80	130-140	7.806	992.5	99.2,99.2
150	14.89	7.129	2.176	2.993	4.583	2.887	2.087	7.458	140-150	4.161	996.7	99.7,99.7
160	9.097	4.912	2.389	2.501	2.493	2.461	2.275	5.044	150-160	2.116	998.8	99.9,99.9
170	3.681	3.604	2.524	2.605	2.376	2.447	2.305	3.352	160-170	0.9687	999.7	100,100
180	2.592	2.587	2.581	2.559	2.596	2.585	2.581	2.561	170-180	0.2610	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

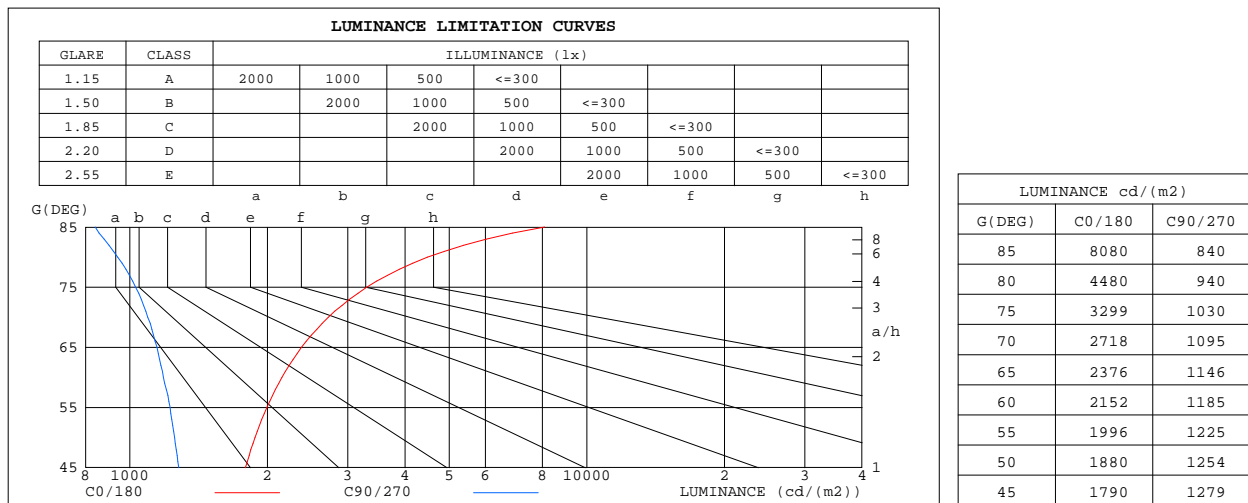
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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

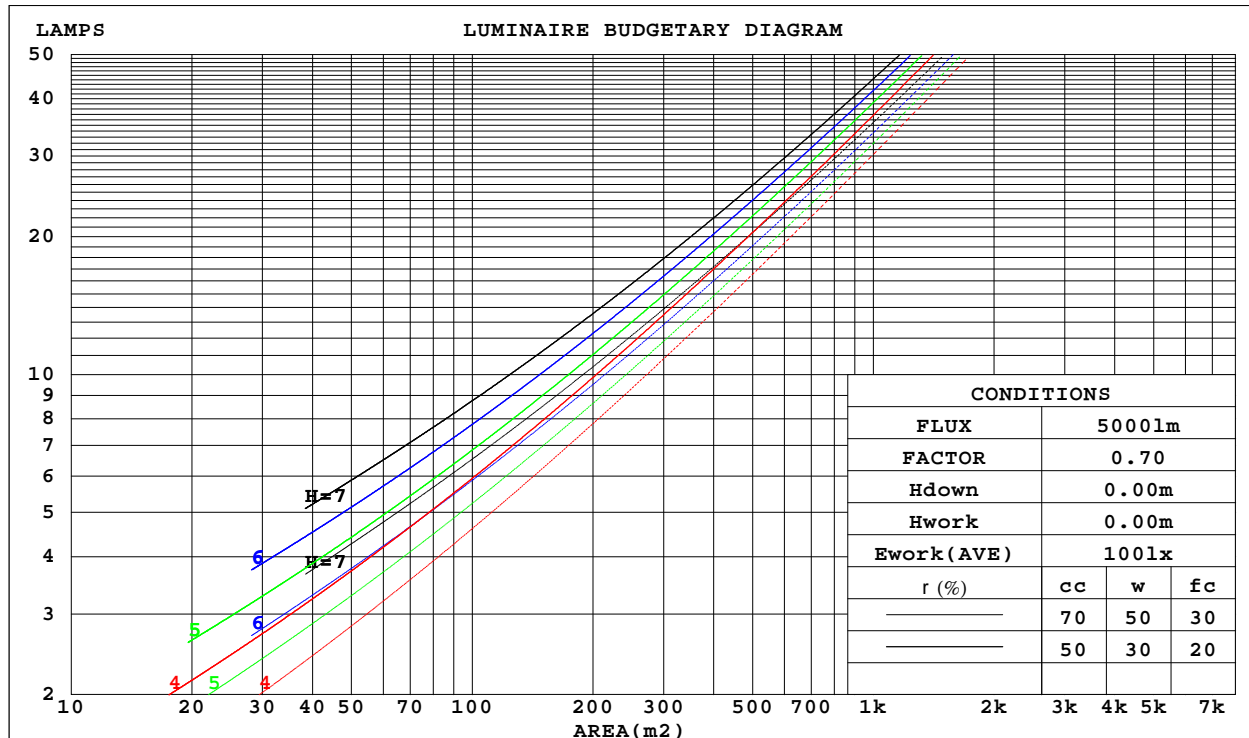
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	.97	.92	.87	.94	.89	.85	.87	.83	.79	.81	.78	.75	.75	.72	.70	.67
2.0	.83	.76	.69	.80	.73	.67	.75	.69	.64	.69	.64	.60	.64	.60	.57	.54
3.0	.72	.64	.56	.70	.62	.55	.65	.58	.52	.60	.55	.50	.56	.51	.47	.44
4.0	.64	.54	.47	.61	.53	.46	.57	.50	.44	.53	.47	.42	.50	.44	.40	.37
5.0	.57	.47	.40	.55	.46	.39	.51	.43	.38	.48	.41	.36	.44	.39	.34	.32
6.0	.51	.41	.35	.49	.40	.34	.46	.38	.33	.43	.36	.31	.40	.35	.30	.28
7.0	.46	.37	.30	.44	.36	.30	.42	.34	.29	.39	.33	.28	.37	.31	.27	.24
8.0	.42	.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	.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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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	.377	.214	.068	.366	.209	.066	.345	.198	.063	.325	.188	.060	.307	.178	.057	
2.0	.329	.180	.055	.319	.176	.054	.300	.167	.052	.283	.159	.050	.267	.151	.048	
3.0	.294	.156	.047	.285	.152	.046	.268	.145	.044	.252	.138	.042	.237	.131	.041	
4.0	.265	.138	.041	.257	.135	.040	.242	.128	.038	.227	.122	.037	.214	.116	.035	
5.0	.242	.123	.036	.234	.120	.035	.220	.115	.034	.207	.109	.033	.195	.104	.031	
6.0	.222	.111	.032	.215	.109	.031	.202	.104	.030	.190	.099	.029	.179	.094	.028	
7.0	.205	.101	.029	.199	.099	.028	.187	.095	.027	.176	.090	.026	.166	.086	.025	
8.0	.190	.093	.026	.184	.091	.026	.174	.087	.025	.164	.083	.024	.155	.079	.023	
9.0	.177	.086	.024	.172	.084	.024	.162	.080	.023	.153	.077	.022	.145	.074	.021	
10.0	.166	.080	.022	.161	.078	.022	.152	.075	.021	.144	.071	.020	.136	.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
R _{CR}	R _{CR} :Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.290	.290	.290	.248	.248	.248	.169	.169	.169	.097	.097	.097	.031	.031	.031	
1.0	.286	.256	.230	.244	.220	.198	.167	.151	.137	.096	.088	.080	.031	.028	.026	
2.0	.279	.233	.195	.239	.201	.168	.164	.139	.118	.094	.081	.069	.030	.026	.022	
3.0	.271	.216	.173	.232	.187	.150	.160	.130	.105	.092	.076	.062	.030	.025	.020	
4.0	.263	.204	.158	.226	.176	.138	.155	.123	.097	.090	.072	.057	.029	.023	.019	
5.0	.256	.194	.148	.219	.168	.129	.151	.117	.091	.088	.069	.054	.028	.022	.018	
6.0	.248	.186	.141	.213	.161	.123	.147	.113	.087	.085	.066	.052	.028	.022	.017	
7.0	.241	.179	.136	.207	.155	.118	.143	.109	.084	.083	.064	.050	.027	.021	.017	
8.0	.234	.173	.132	.202	.150	.115	.140	.106	.081	.081	.062	.049	.026	.020	.016	
9.0	.228	.169	.129	.196	.146	.112	.136	.103	.080	.079	.061	.047	.026	.020	.016	
10.0	.222	.164	.126	.191	.143	.110	.133	.100	.078	.077	.059	.047	.025	.020	.015	

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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	15.2	16.6	15.7	17.1	17.5	13.0	14.4	13.4	14.8	15.3	
	3H	17.8	19.2	18.3	19.6	20.1	14.5	15.9	15.0	16.3	16.8
	4H	19.3	20.5	19.8	21.0	21.6	15.2	16.5	15.7	16.9	17.5
	6H	20.9	22.1	21.4	22.6	23.1	15.7	16.9	16.2	17.4	17.9
	8H	21.8	22.9	22.3	23.4	24.0	15.9	17.0	16.4	17.5	18.1
	12H	22.8	23.9	23.3	24.4	25.0	16.0	17.1	16.5	17.6	18.2
4H	2H	15.8	17.0	16.3	17.5	18.0	14.2	15.4	14.7	15.9	16.4
	3H	18.7	19.8	19.2	20.3	20.9	16.0	17.1	16.5	17.6	18.2
	4H	20.3	21.3	20.9	21.9	22.5	16.9	17.9	17.4	18.4	19.0
	6H	22.1	23.0	22.7	23.6	24.2	17.6	18.5	18.2	19.1	19.7
	8H	23.1	24.0	23.7	24.5	25.2	17.9	18.7	18.5	19.3	20.0
	12H	24.3	25.0	24.9	25.7	26.3	18.1	18.8	18.7	19.4	20.1
8H	4H	20.7	21.5	21.3	22.1	22.8	17.9	18.8	18.5	19.4	20.0
	6H	22.8	23.5	23.4	24.1	24.8	19.0	19.7	19.7	20.4	21.1
	8H	24.0	24.6	24.6	25.3	26.0	19.5	20.2	20.2	20.8	21.5
	12H	25.4	26.0	26.1	26.6	27.4	19.9	20.5	20.6	21.2	21.9
12H	4H	20.7	21.5	21.3	22.1	22.8	18.3	19.1	18.9	19.7	20.3
	6H	22.9	23.5	23.5	24.2	24.9	19.6	20.2	20.2	20.9	21.6
	8H	24.2	24.8	24.9	25.4	26.2	20.3	20.8	20.9	21.5	22.2
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, 1845 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.1$)

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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	30	49	37	30	47	36	30	23
0.80	59	46	38	58	46	38	55	45	37	30
1.00	67	54	46	65	53	46	62	54	45	36
1.25	74	62	53	72	60	53	68	58	51	42
1.50	79	67	59	77	66	58	72	63	56	47
2.00	86	76	67	83	74	66	78	70	64	53
2.50	91	81	73	88	79	72	82	75	69	57
3.00	94	85	78	91	83	76	85	79	73	61
4.00	99	91	85	95	89	83	89	83	79	66
5.00	102	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		

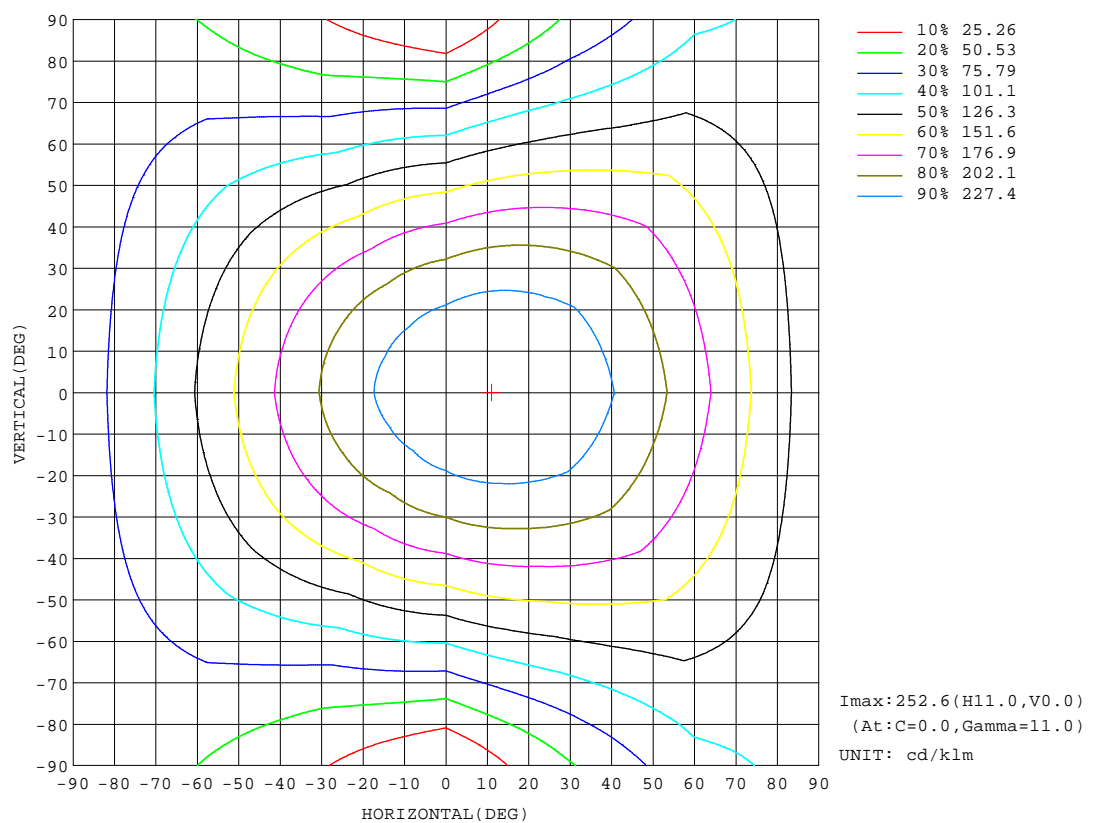
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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

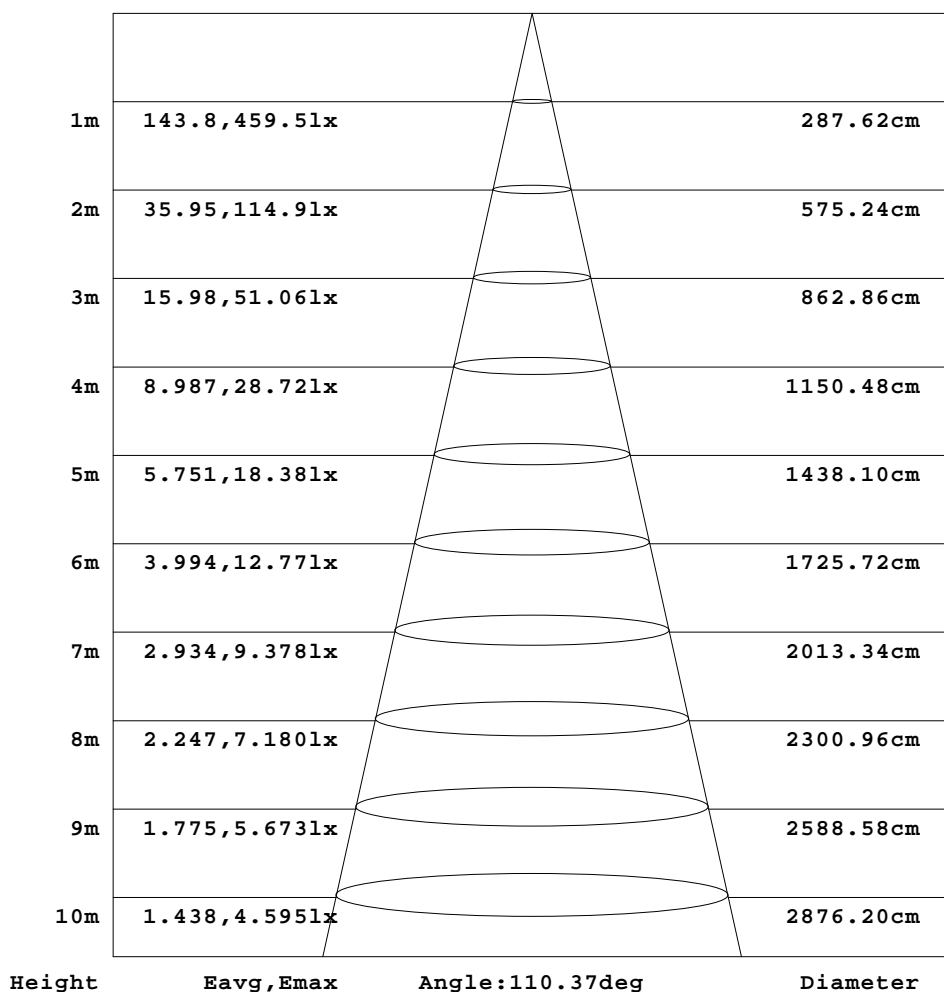
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:992.9 lm



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

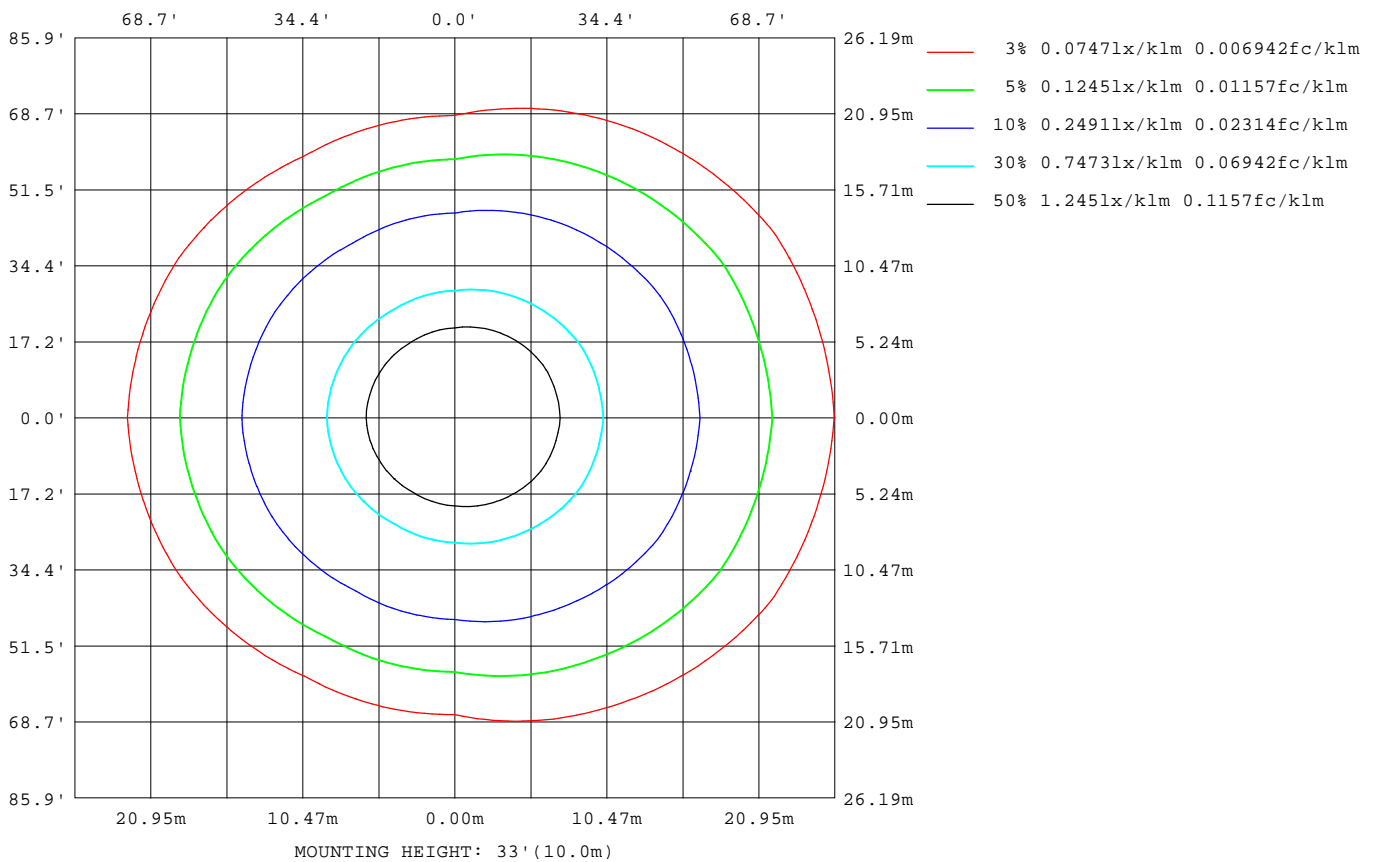
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

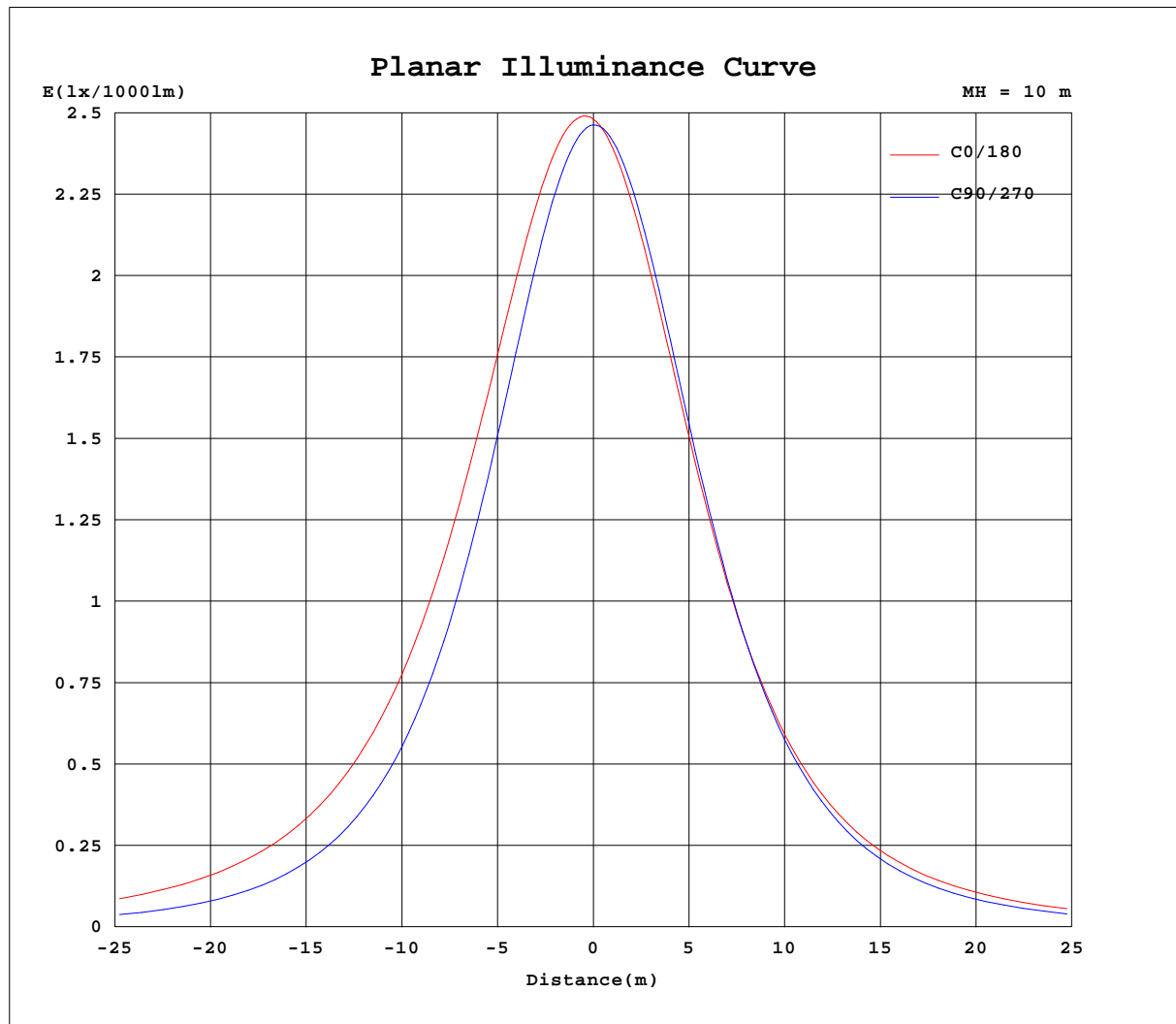
AvgL	cd/m2
L_0~180(65)av	1973
L_0~180(75)av	2657
L_0~180(85)av	6335
L_90~270(65)av	1185
L_90~270(75)av	1077
L_90~270(85)av	910
L_45(65)av	1628
L_45(75)av	2043
L_45(85)av	4481

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:120.23V I:0.1300A P:14.919W PF:0.9545 Freq:50.80Hz Lamp Flux:1844.86x1 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	248	247	247	246	246	247	248	247	247	246	246	247					
5	251	249	247	244	243	242	244	243	244	246	248	249					
10	252	250	245	240	237	236	238	238	240	242	247	251					
15	252	249	241	234	229	229	231	231	233	237	244	250					
20	251	246	235	225	220	220	223	222	224	229	239	248					
25	247	241	227	215	209	210	214	212	213	220	232	243					
30	242	235	217	202	196	199	204	201	201	208	224	237					
35	236	227	206	188	182	187	192	189	187	194	213	230					
40	228	218	194	173	167	174	180	176	172	179	201	221					
45	220	207	180	157	151	160	168	163	157	163	188	211					
50	210	196	165	140	135	146	155	149	140	146	173	200					
55	199	184	150	122	119	132	141	134	123	128	158	188					
60	187	171	134	103	102	119	128	120	106	109	142	175					
65	174	157	118	84.0	86.7	105	115	107	89.7	89.7	126	162					
70	161	144	102	65.0	71.7	92.0	102	93.5	74.0	70.1	110	149					
75	148	131	87.2	46.2	57.9	80.2	90.5	81.3	59.4	50.4	94.7	135					
80	135	118	73.0	28.3	45.5	69.4	79.5	70.1	46.3	31.5	80.2	122					
85	122	105	60.1	12.7	35.2	59.4	69.4	59.9	35.3	14.8	66.8	109					
90	110	93.0	48.6	2.24	26.7	50.5	60.1	50.4	26.2	2.97	54.9	96.8					
95	97.9	81.9	39.3	0.44	20.0	42.5	51.6	42.2	19.1	0.33	44.3	85.2					
100	86.6	71.6	31.6	0.63	14.9	35.6	44.0	35.1	13.9	0.49	35.6	74.6					
105	76.1	62.2	22.5	0.82	10.3	29.5	37.2	28.9	9.46	0.67	27.5	64.7					
110	66.4	49.4	19.0	1.00	8.02	23.9	31.2	23.0	7.20	0.84	22.6	55.5					
115	56.3	42.6	16.3	1.16	6.23	18.9	25.3	18.5	5.56	1.03	18.7	46.0					
120	48.1	36.5	13.2	1.34	4.93	15.5	20.7	14.9	4.40	1.21	15.0	39.1					
125	40.9	31.5	10.8	1.51	4.11	12.5	16.8	11.9	3.64	1.38	12.4	33.1					
130	33.1	25.0	9.05	1.65	3.47	9.90	13.3	9.35	3.10	1.55	10.1	27.5					
135	28.6	19.6	7.60	1.80	2.90	7.73	10.4	7.27	2.64	1.69	8.29	21.3					
140	21.9	15.5	6.22	1.93	2.46	6.03	7.97	5.70	2.29	1.83	7.13	16.5					
145	18.3	11.9	5.69	2.05	2.27	4.74	6.08	4.49	2.20	1.96	6.09	12.6					
150	14.9	9.25	5.01	2.18	2.30	3.68	4.58	3.52	2.25	2.09	5.26	9.66					
155	11.9	6.98	4.59	2.29	2.41	2.83	3.37	2.75	2.34	2.19	4.70	7.52					
160	9.10	5.60	4.22	2.39	2.49	2.51	2.49	2.52	2.40	2.27	4.24	5.85					
165	6.57	4.69	4.00	2.47	2.57	2.53	2.34	2.46	2.40	2.27	3.82	4.44					
170	3.68	3.97	3.24	2.52	2.65	2.56	2.38	2.46	2.43	2.31	2.91	3.80					
175	3.00	3.06	2.68	2.55	2.58	2.62	2.45	2.54	2.44	2.40	2.50	2.64					
180	2.59	2.59	2.58	2.58	2.57	2.54	2.60	2.59	2.58	2.58	2.58	2.54					

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	248.1	247.2	246.6	246.3	246.4	246.6	248.1	247.2	246.6	246.3
3.0	250.1	248.6	247.0	245.5	244.4	244.2	245.6	245.1	245.2	246.2
6.0	251.5	249.7	246.8	243.8	241.7	241.2	242.7	242.4	243.3	245.1
9.0	252.4	250.0	245.5	241.3	238.3	237.6	239.3	238.9	240.6	243.3
12.0	252.5	249.6	243.8	238.1	234.2	233.6	235.4	235.1	236.9	240.6
15.0	252.4	248.5	241.1	233.9	229.3	228.9	231.1	230.7	232.6	237.0
18.0	251.4	247.0	237.8	229.0	223.8	223.9	226.4	225.8	227.5	232.7
21.0	250.0	244.8	233.7	223.4	217.6	218.2	221.1	220.4	221.8	227.6
24.0	248.0	242.0	229.0	217.0	210.8	212.1	215.7	214.5	215.5	221.7
27.0	245.3	238.6	223.7	210.0	203.6	205.7	209.7	208.1	208.5	215.2
30.0	242.4	234.6	217.5	202.3	195.7	198.8	203.5	201.4	200.9	207.7
33.0	238.8	230.1	210.9	194.2	187.5	191.6	196.9	194.2	192.8	199.9
36.0	234.7	225.1	203.7	185.5	178.9	184.1	189.9	186.8	184.4	191.4
39.0	230.0	219.5	196.1	176.3	169.9	176.2	182.7	178.9	175.4	182.4
42.0	225.0	213.5	188.2	166.8	160.6	168.3	175.3	171.0	166.2	172.9
45.0	219.6	207.1	180.0	156.9	151.2	160.1	167.6	162.7	156.6	163.1
48.0	213.7	200.4	171.1	146.6	141.4	151.8	159.8	154.3	146.8	152.7
51.0	207.3	193.3	162.1	136.1	131.7	143.4	152.0	145.8	137.0	142.3
54.0	200.8	186.0	152.8	125.4	122.0	135.0	144.0	137.2	126.9	131.4
57.0	193.9	178.5	143.5	114.5	112.1	126.8	135.9	128.7	116.7	120.2
60.0	186.6	170.7	134.0	102.8	102.4	118.7	128.1	120.3	106.2	108.9
63.0	179.1	162.8	124.5	91.50	92.89	110.3	120.2	112.0	96.19	97.38
66.0	171.5	154.7	114.9	80.17	83.58	102.0	112.5	103.9	86.47	85.69
69.0	163.9	146.8	105.6	68.89	74.67	94.50	104.5	96.06	77.08	74.05
72.0	156.1	138.7	96.23	57.45	66.06	87.12	97.40	88.55	67.97	62.24
75.0	148.1	130.8	87.20	46.25	57.95	80.16	90.47	81.35	59.37	50.42
78.0	140.3	123.0	78.61	35.39	50.31	73.62	83.82	74.56	51.32	38.91
81.0	132.4	115.3	70.38	25.00	43.33	67.30	77.47	68.05	43.95	27.94
84.0	124.7	107.2	62.54	15.55	37.15	61.35	71.37	61.89	37.26	17.83
87.0	117.1	100.0	55.50	7.718	31.62	55.79	65.58	56.13	31.37	9.243
90.0	109.7	93.00	48.60	2.242	26.70	50.52	60.10	50.39	26.19	2.975
93.0	102.5	86.20	42.82	0.4440	22.44	45.60	54.87	45.34	21.67	0.3923
96.0	95.59	79.73	37.63	0.4846	18.85	41.07	50.02	40.73	17.91	0.3511
99.0	88.76	73.52	33.00	0.5928	15.79	36.84	45.46	36.44	14.80	0.4535
102.0	82.32	67.65	28.87	0.7143	13.27	33.03	41.19	32.50	12.18	0.5751
105.0	76.09	62.17	22.45	0.8244	10.35	29.52	37.25	28.94	9.464	0.6720
108.0	70.11	56.44	20.14	0.9251	8.876	26.28	33.52	25.65	7.997	0.7707
111.0	64.44	47.04	18.33	1.033	7.619	22.38	29.94	21.88	6.833	0.8883
114.0	58.23	43.37	17.00	1.132	6.585	19.56	26.26	19.31	5.864	0.9985
117.0	52.99	39.97	14.86	1.233	5.615	17.52	23.36	17.00	5.044	1.107
120.0	48.08	36.53	13.21	1.337	4.928	15.55	20.70	14.93	4.396	1.213
123.0	43.57	33.48	11.70	1.440	4.417	13.69	18.27	13.06	3.903	1.316
126.0	39.27	30.50	10.46	1.538	3.976	11.96	16.03	11.37	3.517	1.414
129.0	33.52	26.54	9.389	1.628	3.579	10.38	14.01	9.834	3.199	1.511
132.0	31.53	22.17	8.410	1.715	3.235	8.998	12.14	8.458	2.916	1.599
135.0	28.57	19.62	7.602	1.799	2.901	7.728	10.42	7.268	2.643	1.688
138.0	24.78	17.10	6.493	1.878	2.618	6.649	8.880	6.273	2.413	1.773
141.0	21.13	14.66	6.219	1.954	2.399	5.757	7.560	5.441	2.235	1.855
144.0	19.23	12.51	5.829	2.030	2.267	4.966	6.419	4.708	2.193	1.933
147.0	16.54	10.72	5.421	2.099	2.282	4.295	5.441	4.067	2.209	2.016
150.0	14.89	9.251	5.007	2.176	2.303	3.682	4.583	3.522	2.252	2.087
153.0	13.08	7.981	4.640	2.249	2.360	3.141	3.812	3.030	2.304	2.153
156.0	11.02	6.463	4.563	2.315	2.430	2.694	3.163	2.635	2.357	2.220
159.0	9.401	5.815	4.293	2.372	2.476	2.524	2.623	2.549	2.396	2.265
162.0	8.427	5.213	4.138	2.421	2.512	2.509	2.388	2.490	2.402	2.279
165.0	6.571	4.686	3.996	2.469	2.571	2.528	2.336	2.465	2.396	2.269
168.0	4.225	4.186	3.699	2.503	2.615	2.548	2.349	2.436	2.395	2.267
171.0	3.543	3.864	3.119	2.535	2.668	2.575	2.389	2.480	2.430	2.320
174.0	3.205	3.195	2.835	2.552	2.587	2.613	2.436	2.539	2.425	2.381
177.0	2.590	2.645	2.562	2.564	2.579	2.552	2.537	2.558	2.526	2.502
180.0	2.592	2.594	2.581	2.581	2.573	2.545	2.596	2.586	2.584	2.581
G/C	300.0	330.0								
0.0	246.4	246.6								
3.0	247.6	248.5								
6.0	247.9	249.8								
9.0	247.5	250.4								
12.0	246.3	250.4								
15.0	244.3	249.8								
18.0	241.6	248.5								
21.0	238.1	246.8								
24.0	234.0	244.3								
27.0	229.0	241.2								
30.0	223.5	237.5								

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:

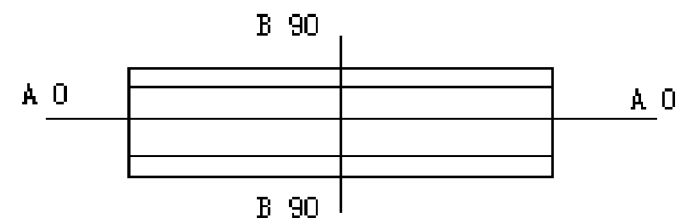
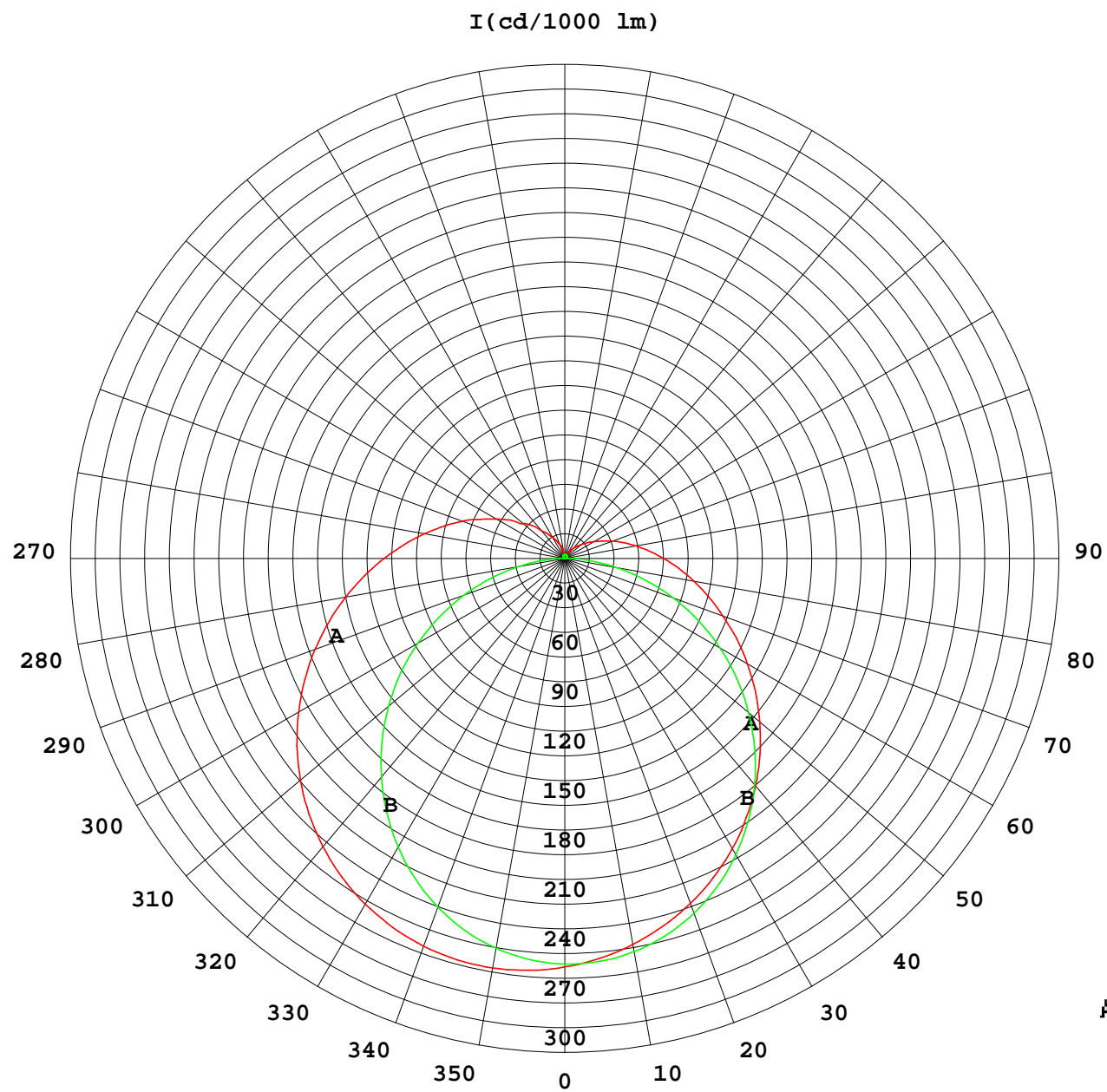
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	217.5	232.9
36.0	210.8	228.5
39.0	203.5	223.2
42.0	195.8	217.4
45.0	187.6	211.3
48.0	179.0	204.7
51.0	170.3	197.7
54.0	161.2	190.5
57.0	151.8	182.9
60.0	142.4	175.3
63.0	132.8	167.3
66.0	123.3	159.2
69.0	114.0	151.2
72.0	103.9	143.1
75.0	94.74	135.0
78.0	85.94	127.1
81.0	77.47	119.2
84.0	69.39	111.4
87.0	61.86	104.0
90.0	54.85	96.79
93.0	48.30	89.75
96.0	42.31	83.06
99.0	37.15	76.58
102.0	32.85	70.41
105.0	27.46	64.68
108.0	24.37	59.17
111.0	21.77	53.31
114.0	19.30	47.46
117.0	17.62	43.24
120.0	15.05	39.08
123.0	13.53	35.25
126.0	11.92	31.98
129.0	10.52	28.92
132.0	9.303	25.24
135.0	8.292	21.33
138.0	7.549	18.10
141.0	6.896	15.62
144.0	6.278	13.26
147.0	5.735	11.31
150.0	5.260	9.656
153.0	4.764	8.300
156.0	4.656	7.136
159.0	4.413	6.138
162.0	3.959	5.104
165.0	3.816	4.445
168.0	3.481	3.963
171.0	2.713	3.658
174.0	2.628	2.612
177.0	2.490	2.473
180.0	2.577	2.545

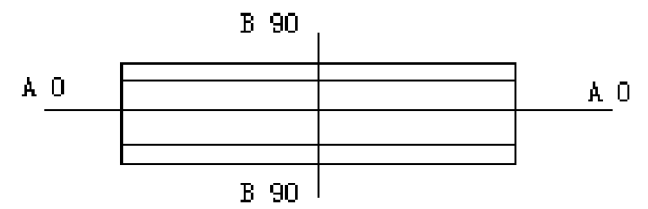
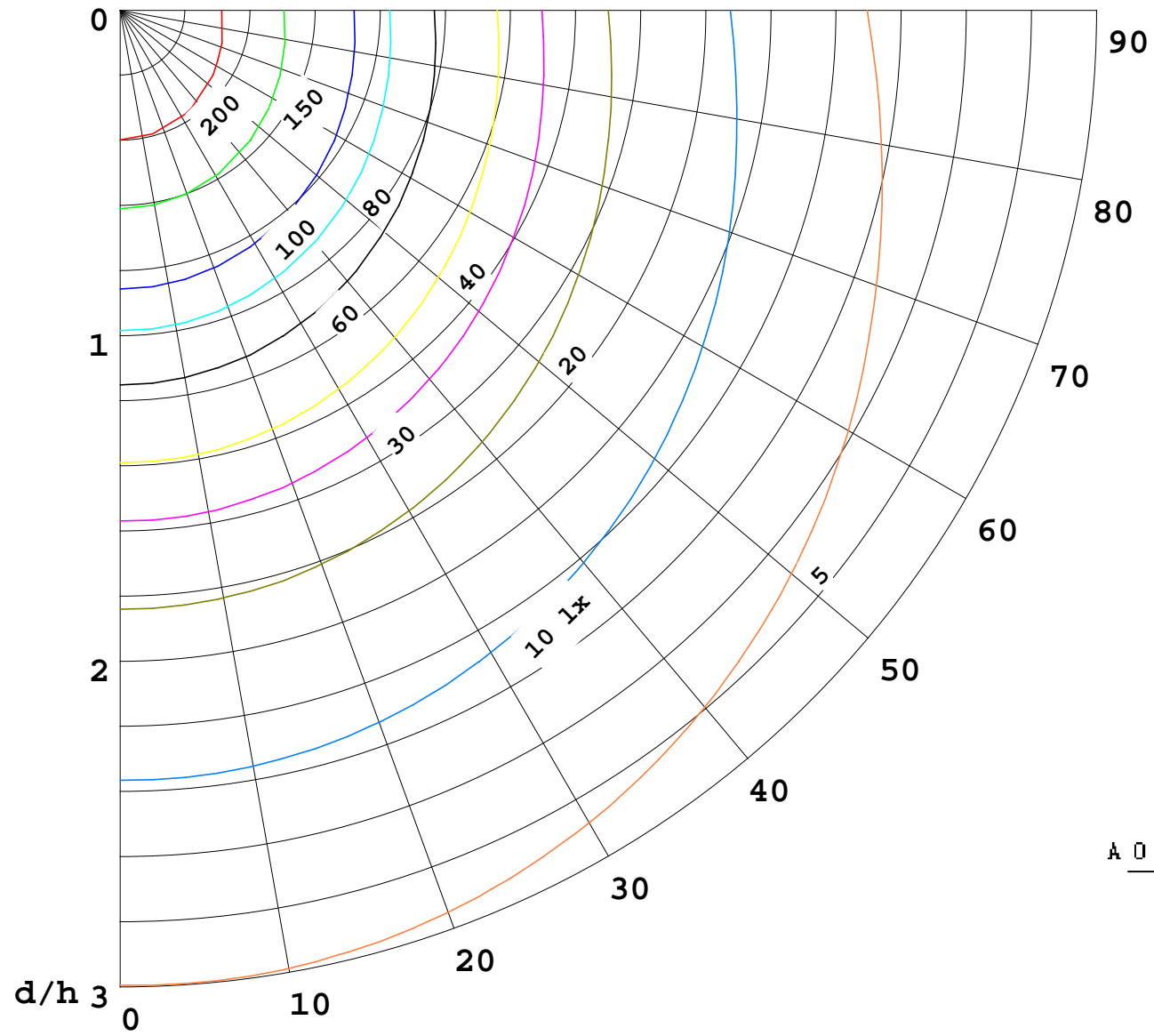
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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

