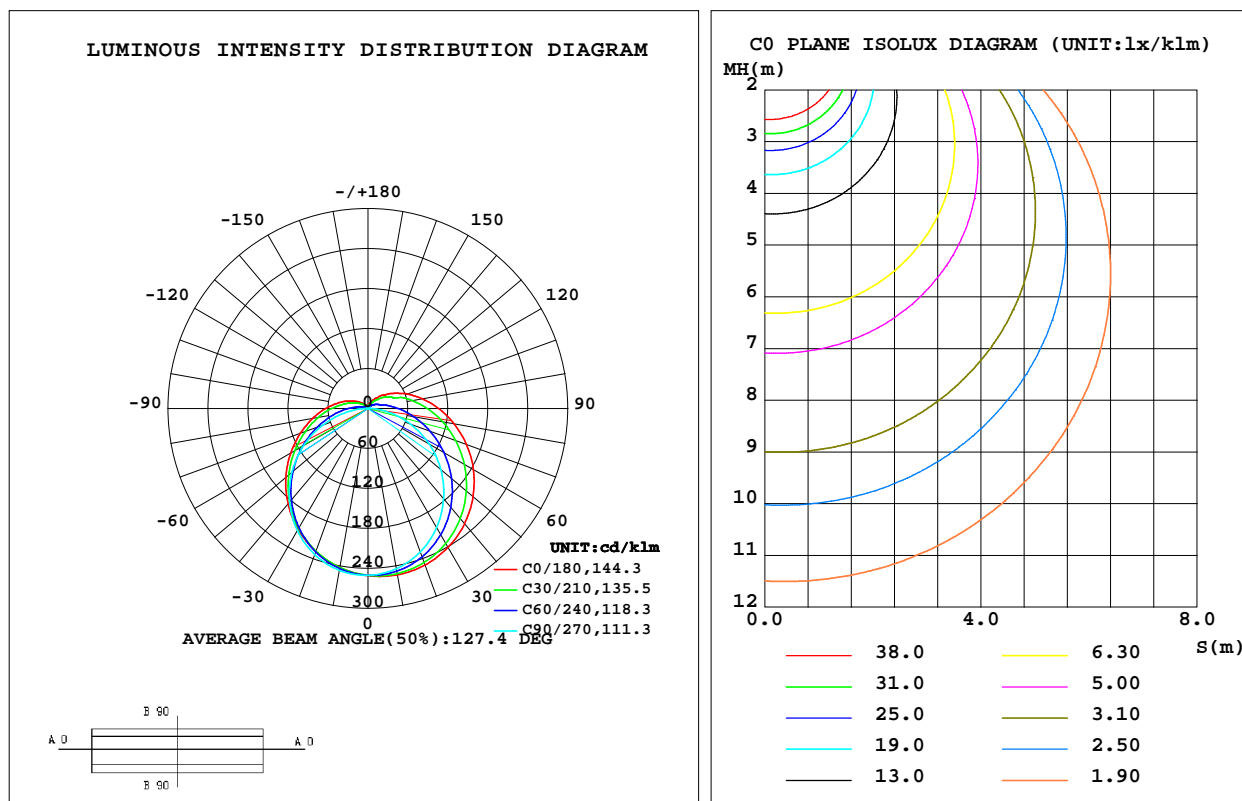


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.89 lm/W			
MODEL		I _{max} (cd/klm)	253.5	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15	LOR(%)	101.1	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1011.5	h UP,DN(C0-180)	7.1,44.6
NOMINAL FLUX(lm)	1929.66	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	6.0,43.5
LAMPS INSIDE	1	h up(%)	13.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	88.1	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	253.5	249.8	244.3	242.0	242.4	243.3	246.7	251.9	0- 10	23.73	23.73	2.35,2.37
20	250.1	241.6	229.4	226.2	228.5	228.6	233.5	245.3	10- 20	68.33	92.06	9.1,9.21
30	240.5	226.1	206.3	204.2	209.7	207.5	211.6	231.0	20- 30	104.7	196.8	19.5,19.7
40	225.8	204.5	176.9	177.5	186.6	181.1	183.1	210.4	30- 40	128.9	325.7	32.2,32.6
50	206.1	178.4	143.0	148.0	160.8	151.3	149.2	184.7	40- 50	138.8	464.4	45.9,46.4
60	182.7	149.2	106.0	117.5	133.9	120.3	111.7	155.7	50- 60	134.5	598.9	59.2,59.9
70	157.2	119.4	67.10	88.16	108.0	89.97	71.91	125.6	60- 70	118.4	717.4	70.9,71.7
80	131.0	91.39	29.52	62.81	84.00	63.42	32.27	96.79	70- 80	94.62	812.0	80.3,81.2
90	106.2	67.38	2.447	42.56	63.76	42.33	2.999	71.96	80- 90	68.84	880.8	87.1,88.1
100	83.61	48.83	0.7084	27.89	46.95	27.03	0.5606	51.98	90-100	47.97	928.8	91.8,92.9
110	63.90	32.50	1.086	17.46	33.38	16.52	0.9274	36.87	100-110	32.82	961.6	95.1,96.2
120	46.32	23.63	1.440	11.10	22.06	10.43	1.301	25.72	110-120	21.19	982.8	97.2,98.3
130	31.96	16.41	1.754	7.193	14.16	6.650	1.632	17.95	120-130	13.40	996.2	98.5,99.6
140	21.25	10.61	2.039	4.545	8.433	4.228	1.926	11.42	130-140	7.740	1004	99.3,100
150	14.51	7.039	2.284	3.157	4.795	3.005	2.191	7.374	140-150	4.158	1008	99.7,101
160	9.043	5.011	2.496	2.598	2.590	2.542	2.382	5.089	150-160	2.136	1010	99.9,101
170	3.696	3.717	2.633	2.697	2.446	2.527	2.416	3.426	160-170	0.9913	1011	100,101
180	2.678	2.687	2.689	2.675	2.680	2.686	2.691	2.673	170-180	0.2697	1011	100,101
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

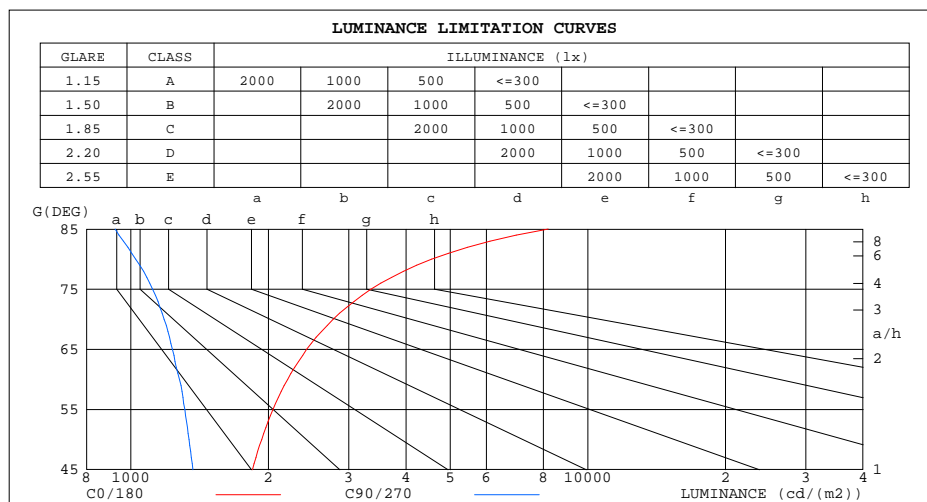
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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

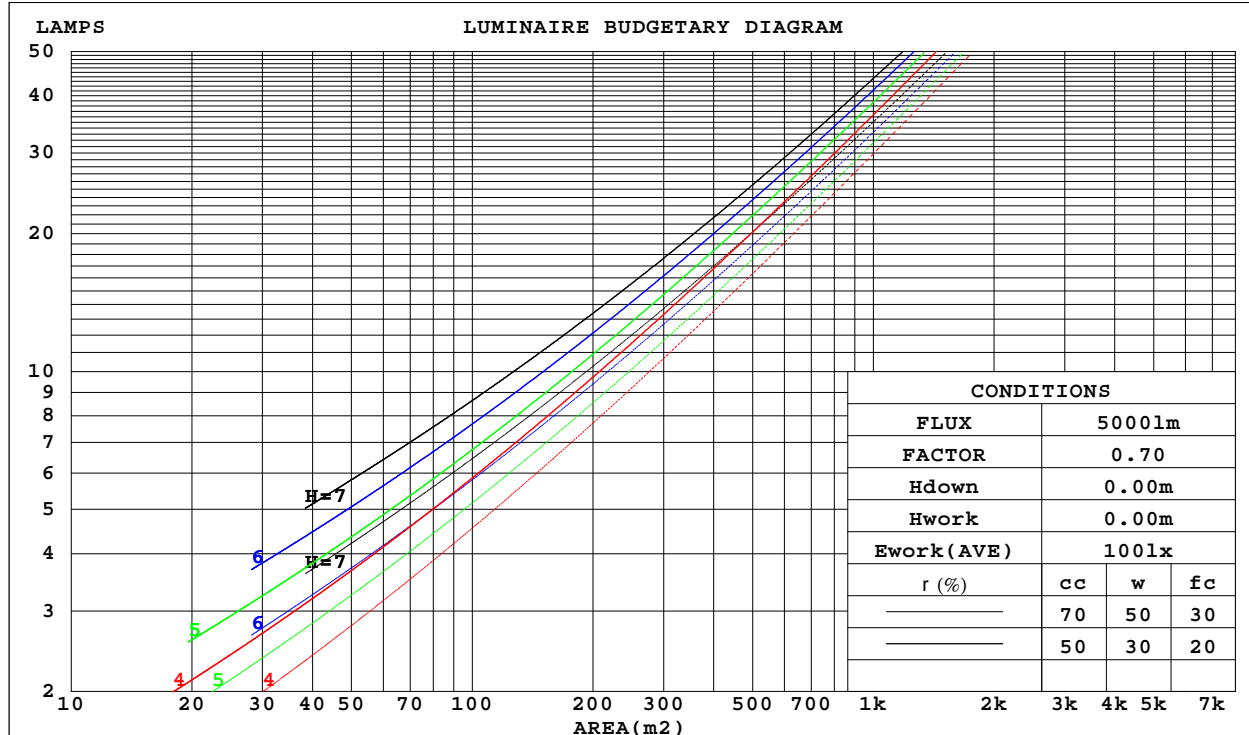
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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	1.17	1.17	1.17	1.13	1.13	1.13	1.05	1.05	1.05	.98	.98	.98	.91	.91	.91	.88
1.0	.98	.93	.88	.95	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.71	.68
2.0	.84	.77	.70	.81	.74	.68	.76	.70	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.64	.57	.71	.62	.56	.66	.59	.53	.61	.55	.50	.57	.52	.48	.45
4.0	.65	.55	.48	.62	.53	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38
5.0	.57	.48	.41	.55	.46	.40	.52	.44	.38	.48	.42	.37	.45	.39	.35	.32
6.0	.51	.42	.35	.50	.41	.34	.47	.39	.33	.44	.37	.32	.41	.35	.31	.28
7.0	.46	.37	.31	.45	.36	.30	.42	.35	.29	.40	.33	.28	.37	.31	.27	.25
8.0	.42	.33	.27	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.39	.30	.24	.38	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20
10.0	.36	.27	.22	.35	.27	.22	.33	.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:2022-09-22

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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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	.381	.216	.069	.369	.211	.067	.348	.200	.064	.329	.190	.061	.311	.180	.058	
2.0	.333	.182	.056	.323	.178	.055	.304	.169	.052	.286	.160	.050	.270	.153	.048	
3.0	.297	.158	.047	.288	.154	.046	.271	.147	.045	.255	.140	.043	.240	.133	.041	
4.0	.268	.139	.041	.260	.136	.040	.245	.130	.039	.230	.124	.037	.217	.118	.036	
5.0	.244	.124	.036	.237	.122	.035	.223	.116	.034	.210	.111	.033	.198	.106	.032	
6.0	.224	.112	.032	.217	.110	.032	.205	.105	.031	.193	.100	.029	.182	.096	.028	
7.0	.207	.102	.029	.201	.100	.029	.189	.096	.028	.178	.091	.027	.168	.087	.026	
8.0	.192	.094	.026	.187	.092	.026	.176	.088	.025	.166	.084	.024	.157	.080	.023	
9.0	.179	.087	.024	.174	.085	.024	.164	.081	.023	.155	.078	.022	.147	.074	.022	
10.0	.168	.080	.022	.163	.079	.022	.154	.076	.021	.146	.072	.021	.138	.069	.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	.292	.292	.292	.250	.250	.250	.170	.170	.170	.098	.098	.098	.031	.031	.031	
1.0	.287	.258	.231	.246	.221	.199	.168	.152	.137	.097	.088	.080	.031	.028	.026	
2.0	.280	.234	.196	.240	.202	.169	.165	.140	.118	.095	.081	.069	.030	.026	.023	
3.0	.273	.217	.173	.234	.188	.150	.160	.130	.105	.093	.076	.062	.030	.025	.020	
4.0	.265	.205	.159	.227	.177	.138	.156	.123	.097	.090	.072	.057	.029	.023	.019	
5.0	.257	.194	.148	.221	.168	.129	.152	.118	.091	.088	.069	.054	.028	.023	.018	
6.0	.249	.186	.141	.214	.161	.123	.148	.113	.087	.086	.066	.052	.028	.022	.017	
7.0	.242	.180	.136	.208	.156	.118	.144	.109	.084	.084	.064	.050	.027	.021	.016	
8.0	.235	.174	.132	.203	.151	.115	.140	.106	.081	.082	.062	.049	.026	.020	.016	
9.0	.229	.169	.128	.197	.147	.112	.137	.103	.080	.080	.061	.047	.026	.020	.016	
10.0	.223	.165	.126	.192	.143	.110	.133	.101	.078	.078	.060	.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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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	15.6	17.1	17.5	13.1	14.5	13.5	14.9	15.4	
	3H	17.8	19.1	18.3	19.6	20.1	14.7	16.0	15.1	16.4	16.9
	4H	19.2	20.5	19.7	21.0	21.5	15.3	16.6	15.8	17.1	17.6
	6H	20.8	22.0	21.3	22.5	23.0	15.8	17.0	16.3	17.5	18.1
	8H	21.7	22.8	22.2	23.3	23.9	16.0	17.2	16.5	17.7	18.2
	12H	22.7	23.8	23.2	24.3	24.9	16.1	17.2	16.7	17.7	18.3
4H	2H	15.8	17.0	16.3	17.5	18.0	14.2	15.5	14.7	15.9	16.5
	3H	18.6	19.7	19.2	20.2	20.8	16.0	17.1	16.6	17.7	18.2
	4H	20.2	21.3	20.8	21.8	22.4	16.9	17.9	17.5	18.5	19.1
	6H	22.0	22.9	22.6	23.5	24.2	17.6	18.5	18.2	19.1	19.7
	8H	23.0	23.9	23.6	24.5	25.1	17.9	18.7	18.5	19.3	20.0
	12H	24.2	25.0	24.8	25.6	26.2	18.1	18.9	18.7	19.5	20.2
8H	4H	20.6	21.4	21.2	22.0	22.7	17.9	18.8	18.5	19.3	20.0
	6H	22.7	23.4	23.3	24.0	24.7	19.0	19.7	19.6	20.3	21.0
	8H	23.9	24.5	24.5	25.2	25.9	19.5	20.1	20.1	20.7	21.5
	12H	25.3	25.9	26.0	26.5	27.3	19.9	20.4	20.5	21.1	21.8
12H	4H	20.6	21.4	21.2	22.0	22.7	18.2	19.0	18.8	19.6	20.3
	6H	22.8	23.4	23.4	24.1	24.8	19.5	20.2	20.2	20.8	21.5
	8H	24.1	24.7	24.8	25.3	26.1	20.2	20.7	20.8	21.4	22.1
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, 1930 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:120.23V I:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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	51	38	31	50	38	31	48	37	30	24
0.80	60	47	39	59	46	39	56	45	38	30
1.00	68	55	47	66	54	46	63	55	45	37
1.25	75	62	54	73	61	53	69	59	52	43
1.50	80	68	60	78	67	59	73	64	57	47
2.00	87	76	68	85	75	67	79	71	65	54
2.50	92	82	74	89	80	73	83	76	70	58
3.00	95	86	79	92	84	77	86	80	74	62
4.00	100	92	86	97	90	84	90	85	80	67
5.00	103	96	91	99	93	88	93	88	84	70
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

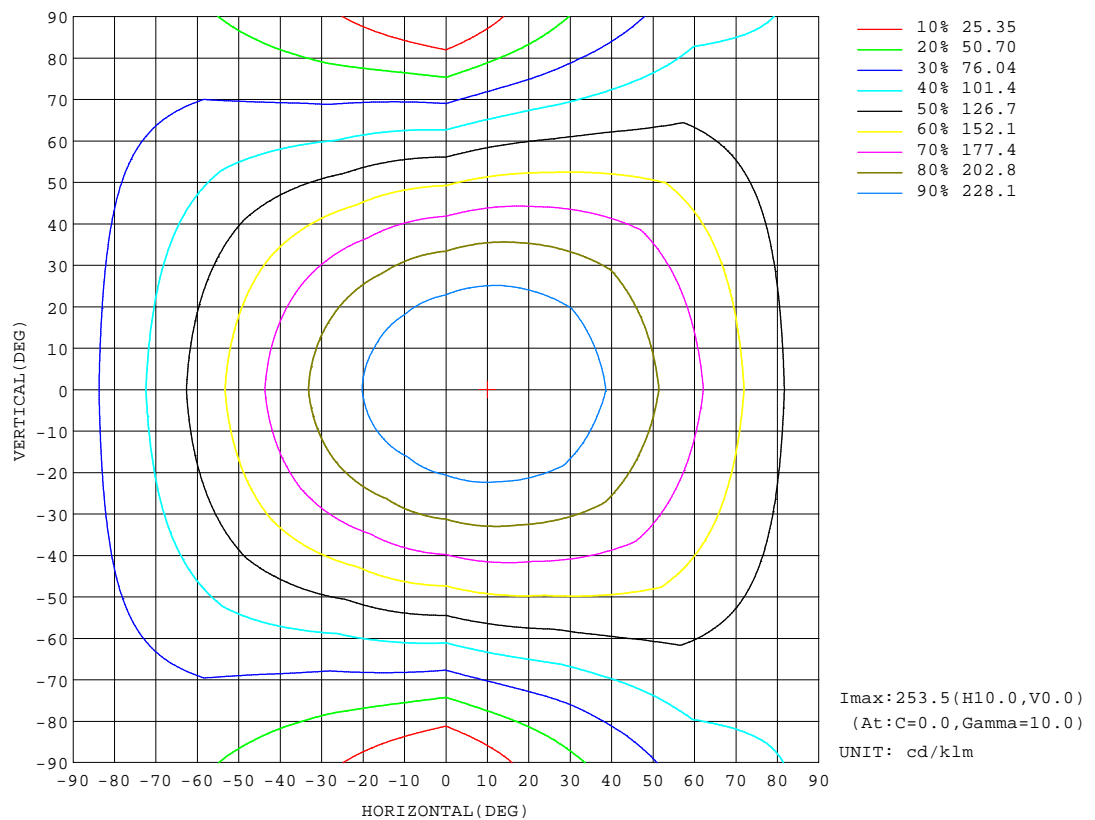
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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

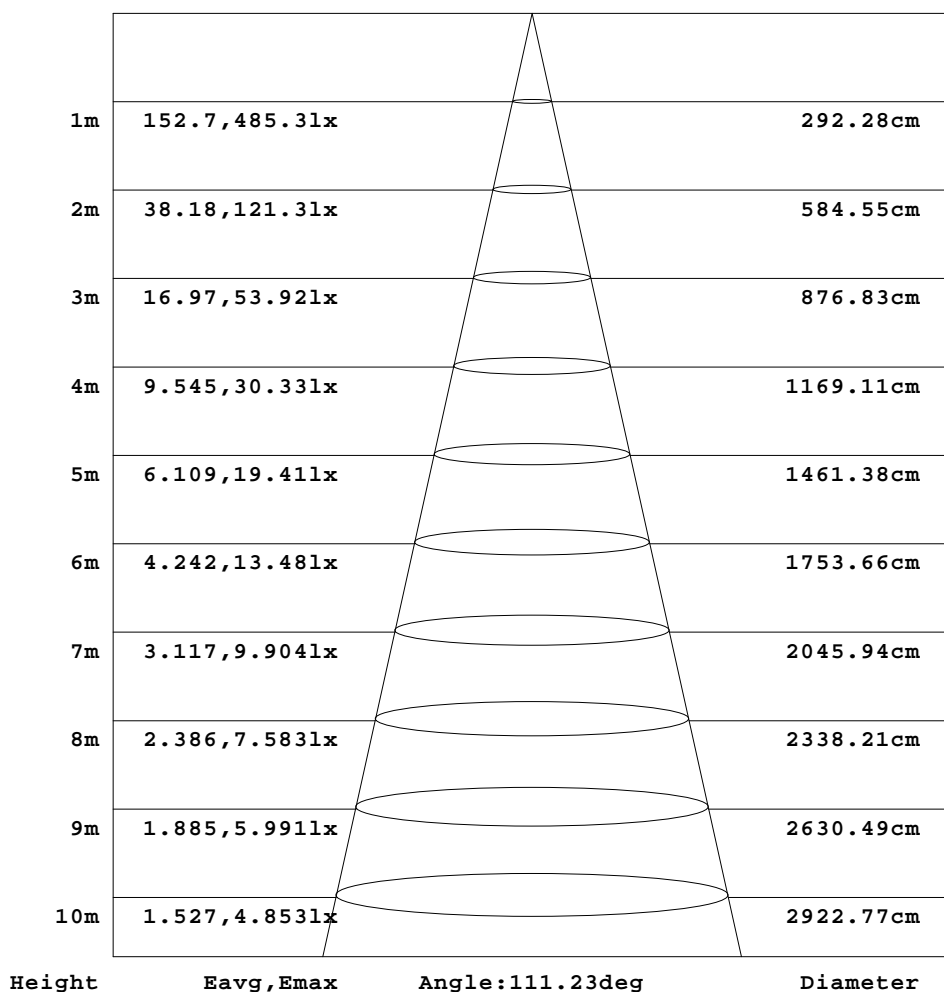
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1055 lm



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

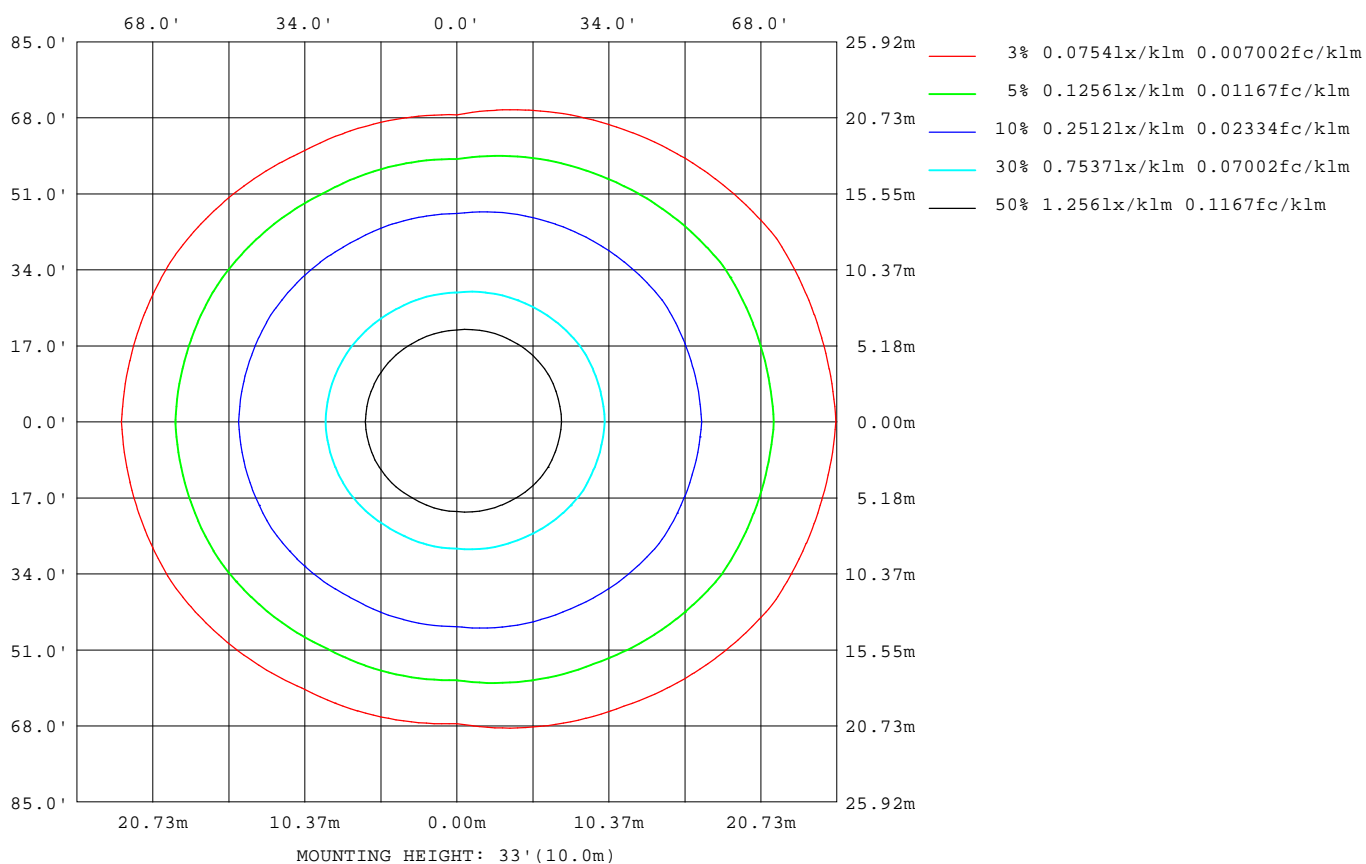
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

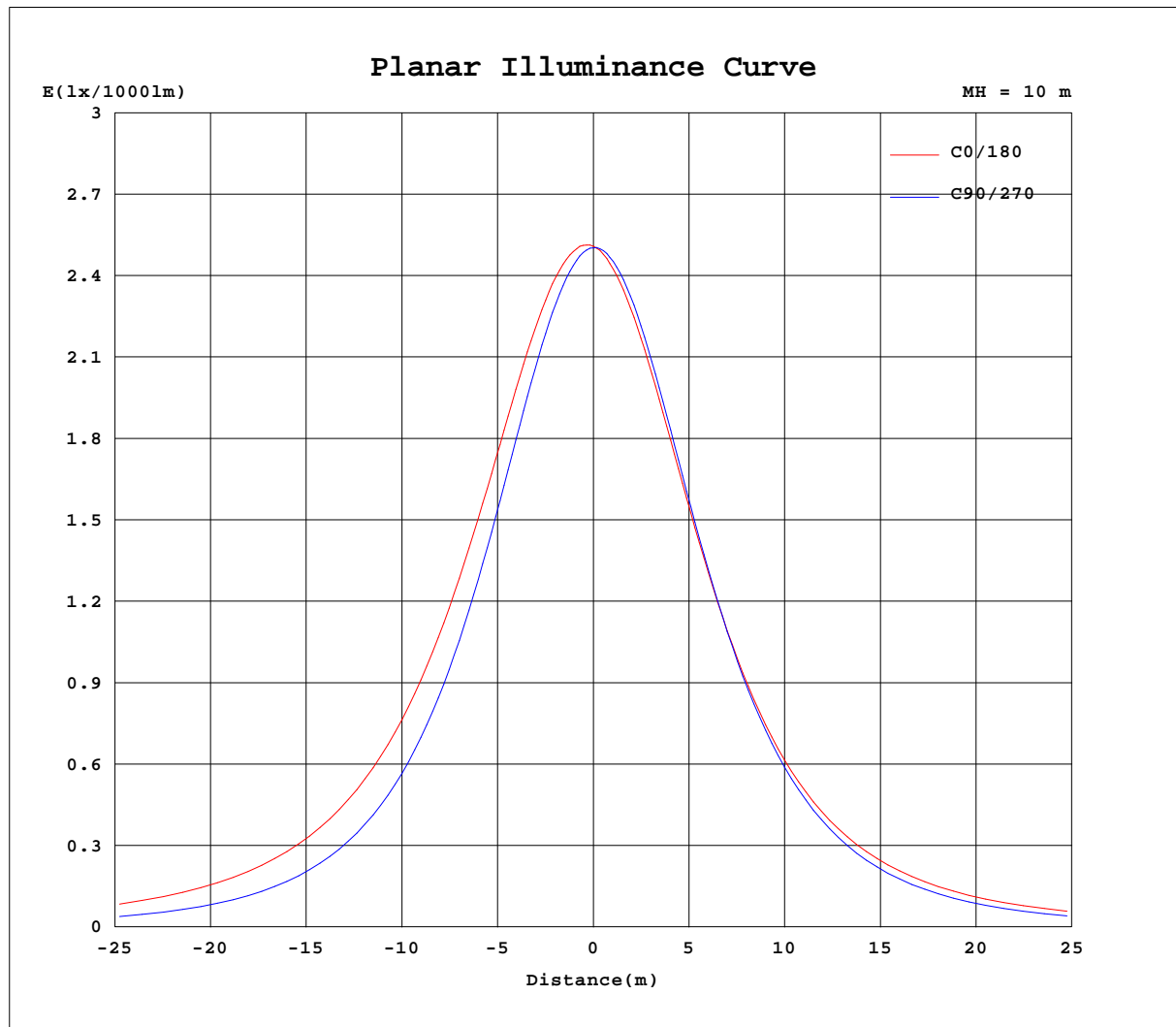
AvgL	cd/m2
L_0~180(65)av	2074
L_0~180(75)av	2788
L_0~180(85)av	6637
L_90~270(65)av	1273
L_90~270(75)av	1162
L_90~270(85)av	984
L_45(65)av	1726
L_45(75)av	2156
L_45(85)av	4710

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:0.1257A P:14.470W PF:0.9574 Freq:50.80Hz Lamp Flux:1929.66x1 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	250	250	250	250	251	251	250	250	250	250	251					
5	253	252	250	249	247	247	247	247	248	250	252	253					
10	253	252	248	244	242	242	242	242	244	247	250	253					
15	252	250	244	238	235	235	236	236	238	241	247	252					
20	250	246	237	229	225	227	228	228	229	233	242	249					
25	246	241	229	219	214	217	220	219	219	224	234	244					
30	241	234	219	206	202	206	210	208	207	212	225	237					
35	234	225	207	192	188	194	199	196	194	198	214	229					
40	226	216	193	177	174	181	187	183	179	183	201	220					
45	216	205	179	160	158	168	174	170	163	167	187	209					
50	206	193	164	143	142	154	161	155	147	149	172	197					
55	195	180	148	125	126	140	147	141	130	131	156	185					
60	183	167	131	106	109	126	134	127	114	112	140	172					
65	170	154	115	86.5	93.2	112	121	113	96.4	91.9	123	158					
70	157	140	98.9	67.1	77.9	98.5	108	99.6	80.4	71.9	107	144					
75	144	127	83.4	47.9	63.7	86.2	95.3	87.0	65.3	51.8	90.7	131					
80	131	114	69.1	29.5	50.8	74.8	84.0	75.3	51.6	32.3	76.1	118					
85	118	101	56.4	13.4	39.5	64.4	73.4	64.6	39.7	15.1	62.8	105					
90	106	89.2	45.5	2.45	30.2	55.0	63.8	54.9	29.8	3.00	51.1	92.8					
95	94.6	78.5	36.4	0.52	22.6	46.4	54.9	45.8	21.9	0.40	41.0	81.6					
100	83.6	68.5	29.2	0.71	16.9	38.9	47.0	38.2	15.9	0.56	32.9	71.1					
105	73.4	59.4	20.7	0.91	11.6	32.3	39.8	31.5	10.8	0.75	25.3	61.6					
110	63.9	47.3	17.7	1.09	8.87	26.1	33.4	25.0	8.05	0.93	21.0	52.8					
115	54.1	40.7	15.3	1.26	6.85	20.6	27.0	20.1	6.14	1.12	17.5	43.9					
120	46.3	34.7	12.6	1.44	5.35	16.8	22.1	16.1	4.78	1.30	14.2	37.2					
125	39.3	30.1	10.4	1.61	4.39	13.5	17.8	12.8	3.90	1.47	11.8	31.6					
130	32.0	24.1	8.70	1.75	3.68	10.7	14.2	10.00	3.30	1.63	9.65	26.2					
135	27.5	18.9	7.33	1.91	3.09	8.34	11.0	7.73	2.81	1.79	8.06	20.2					
140	21.3	15.0	6.25	2.04	2.63	6.46	8.43	6.03	2.43	1.93	7.00	15.9					
145	17.5	11.6	5.66	2.16	2.38	5.05	6.41	4.71	2.29	2.07	6.04	12.2					
150	14.5	9.10	4.98	2.28	2.40	3.92	4.79	3.68	2.33	2.19	5.28	9.47					
155	11.4	6.80	4.66	2.41	2.50	3.02	3.53	2.88	2.42	2.30	4.74	7.45					
160	9.04	5.73	4.29	2.50	2.58	2.61	2.59	2.60	2.48	2.38	4.32	5.86					
165	6.65	4.72	4.08	2.57	2.66	2.61	2.40	2.54	2.47	2.38	3.86	4.51					
170	3.70	4.06	3.37	2.63	2.75	2.65	2.45	2.54	2.52	2.42	2.99	3.87					
175	3.07	3.16	2.78	2.66	2.69	2.71	2.53	2.59	2.53	2.51	2.57	2.75					
180	2.68	2.69	2.69	2.69	2.69	2.66	2.68	2.69	2.69	2.69	2.69	2.66					

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	250.9	250.3	250.4	250.3	250.4	251.0	250.9	250.3	250.4	250.3
3.0	252.3	251.4	250.6	249.7	248.7	248.9	248.9	248.6	249.4	250.3
6.0	253.1	252.1	250.0	247.9	246.4	246.4	246.4	246.4	247.6	249.3
9.0	253.4	251.9	248.6	245.3	243.2	243.1	243.6	243.5	245.1	247.6
12.0	253.4	251.1	246.5	242.0	239.3	239.5	240.0	240.0	241.7	244.9
15.0	252.4	249.6	243.6	238.0	234.6	235.2	236.2	235.9	237.7	241.2
18.0	251.3	247.6	240.0	233.1	229.4	230.4	231.8	231.3	232.8	236.8
21.0	249.4	245.1	235.6	227.4	223.4	225.0	226.9	226.3	227.3	231.6
24.0	247.0	242.0	230.6	221.1	216.8	219.3	221.5	220.7	221.2	225.8
27.0	243.9	238.0	224.9	213.9	209.7	213.0	215.8	214.5	214.5	219.0
30.0	240.5	233.7	218.5	206.3	202.1	206.3	209.7	207.9	207.1	211.6
33.0	236.8	228.9	211.7	198.0	194.1	199.2	203.2	201.0	199.2	203.8
36.0	232.3	223.5	204.2	189.3	185.7	191.9	196.5	193.7	190.9	195.4
39.0	227.5	217.5	196.3	180.0	176.8	184.1	189.2	185.9	182.0	186.1
42.0	222.0	211.3	187.9	170.4	167.6	176.2	181.7	177.9	172.9	176.7
45.0	216.4	204.7	179.2	160.4	158.2	167.9	174.2	169.7	163.5	166.6
48.0	210.3	197.6	170.1	150.0	148.4	159.5	166.2	161.2	153.7	156.3
51.0	203.7	190.3	160.7	139.4	138.7	151.2	158.2	152.8	143.9	145.6
54.0	196.9	182.6	151.0	128.5	128.8	142.7	150.2	144.1	133.8	134.5
57.0	190.0	174.9	141.3	117.4	119.0	134.3	142.0	135.5	123.5	123.1
60.0	182.7	167.0	131.4	106.0	109.2	125.8	133.9	127.0	113.6	111.7
63.0	175.2	158.9	121.5	94.12	99.54	117.5	125.8	118.5	103.2	99.85
66.0	167.5	150.7	111.7	82.58	90.06	109.5	118.0	110.2	93.09	87.86
69.0	159.9	142.7	102.1	71.05	80.93	101.1	110.5	102.2	83.52	75.94
72.0	151.9	134.6	92.59	59.38	72.07	93.47	102.3	94.40	74.20	63.82
75.0	144.0	126.6	83.39	47.88	63.66	86.16	95.31	86.98	65.27	51.85
78.0	136.3	118.9	74.76	36.78	55.83	79.34	88.42	79.89	56.90	39.91
81.0	128.5	111.2	66.54	26.07	48.47	72.73	81.87	73.10	49.09	28.63
84.0	120.8	103.5	58.90	16.34	41.58	66.43	75.48	66.63	41.90	18.23
87.0	113.4	96.13	51.89	8.180	35.60	60.54	69.50	60.61	35.49	9.398
90.0	106.2	89.24	45.53	2.447	30.18	54.95	63.76	54.87	29.79	2.999
93.0	99.21	82.66	39.75	0.5116	25.45	49.69	58.35	49.47	24.75	0.4421
96.0	92.27	76.37	34.86	0.5523	21.36	44.84	53.27	44.24	20.50	0.4156
99.0	85.69	70.34	30.51	0.6684	17.88	40.29	48.46	39.64	16.94	0.5207
102.0	79.42	64.65	26.71	0.7955	14.96	36.14	43.98	35.39	13.88	0.6442
105.0	73.36	59.40	20.69	0.9063	11.58	32.32	39.79	31.55	10.76	0.7513
108.0	67.52	53.95	18.75	1.012	9.877	28.75	35.85	27.91	9.018	0.8493
111.0	62.06	44.66	17.10	1.126	8.420	24.51	31.96	23.77	7.606	0.9673
114.0	55.99	41.24	15.92	1.228	7.242	21.42	28.04	20.95	6.481	1.080
117.0	51.04	38.26	14.04	1.335	6.146	19.07	24.94	18.40	5.528	1.194
120.0	46.32	34.71	12.55	1.440	5.348	16.84	22.06	16.09	4.776	1.301
123.0	41.92	31.95	11.18	1.543	4.751	14.81	19.43	14.03	4.207	1.405
126.0	37.57	29.22	10.04	1.641	4.232	12.92	17.02	12.19	3.766	1.503
129.0	32.38	25.58	9.025	1.732	3.811	11.23	14.86	10.52	3.410	1.599
132.0	30.33	21.34	8.124	1.823	3.442	9.716	12.88	9.027	3.100	1.697
135.0	27.51	18.94	7.329	1.910	3.091	8.335	11.05	7.732	2.813	1.788
138.0	23.19	16.50	6.497	1.988	2.788	7.143	9.404	6.644	2.563	1.873
141.0	20.51	14.16	6.227	2.063	2.561	6.155	7.992	5.740	2.369	1.953
144.0	18.47	12.15	5.802	2.139	2.393	5.299	6.764	4.948	2.286	2.031
147.0	16.01	10.47	5.417	2.208	2.382	4.564	5.721	4.263	2.297	2.118
150.0	14.51	9.103	4.976	2.284	2.398	3.916	4.795	3.683	2.328	2.191
153.0	12.78	7.890	4.701	2.360	2.451	3.339	3.987	3.173	2.380	2.260
156.0	10.70	6.626	4.630	2.424	2.518	2.869	3.304	2.750	2.431	2.324
159.0	9.438	5.863	4.331	2.478	2.569	2.627	2.743	2.631	2.476	2.376
162.0	8.500	5.254	4.192	2.525	2.610	2.598	2.463	2.562	2.480	2.382
165.0	6.648	4.721	4.082	2.574	2.661	2.614	2.396	2.536	2.472	2.378
168.0	4.273	4.327	3.877	2.613	2.710	2.640	2.411	2.514	2.473	2.373
171.0	3.544	3.959	3.219	2.645	2.761	2.662	2.458	2.552	2.485	2.431
174.0	3.255	3.321	2.920	2.660	2.694	2.705	2.511	2.616	2.516	2.491
177.0	2.675	2.743	2.672	2.674	2.692	2.654	2.615	2.648	2.626	2.610
180.0	2.678	2.685	2.689	2.689	2.692	2.658	2.680	2.685	2.687	2.691

G/C	300.0	330.0
0.0	250.4	251.0
3.0	251.4	252.4
6.0	251.4	253.1
9.0	250.7	253.3
12.0	249.4	252.9
15.0	247.1	251.8
18.0	244.2	250.1
21.0	240.4	247.7
24.0	235.9	245.0
27.0	230.7	241.4
30.0	224.8	237.3

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:

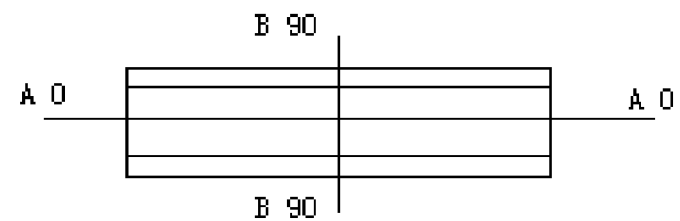
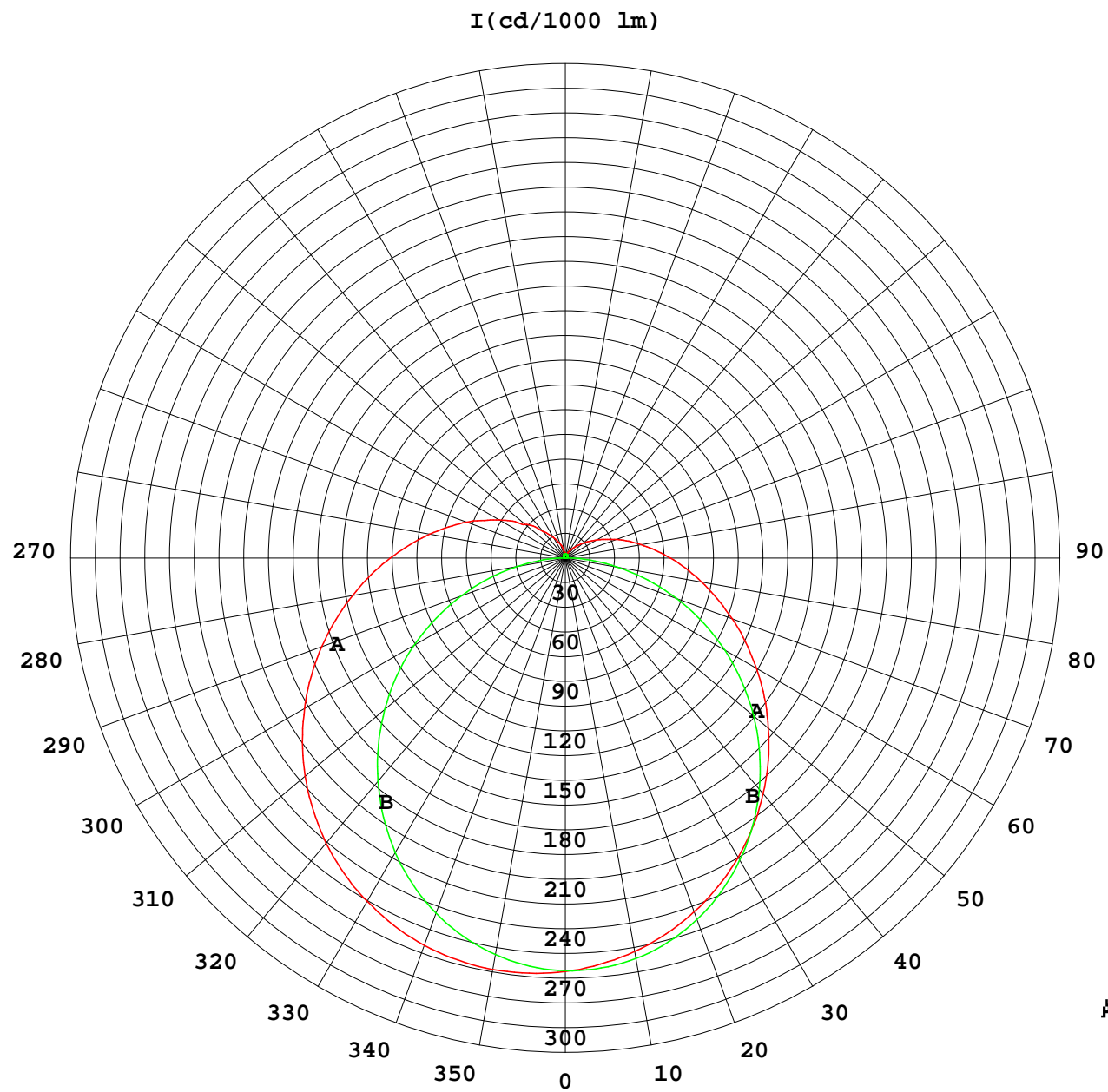
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	218.4	232.5
36.0	211.4	227.4
39.0	203.7	221.7
42.0	195.7	215.7
45.0	187.1	209.1
48.0	178.0	202.0
51.0	168.9	194.9
54.0	159.3	187.3
57.0	149.6	179.5
60.0	139.8	171.6
63.0	129.9	163.5
66.0	119.9	155.2
69.0	110.3	147.1
72.0	100.0	138.8
75.0	90.74	130.8
78.0	81.79	122.8
81.0	73.35	114.9
84.0	65.28	107.3
87.0	57.91	99.86
90.0	51.13	92.79
93.0	44.82	85.94
96.0	39.15	79.42
99.0	34.29	73.14
102.0	30.28	67.10
105.0	25.31	61.60
108.0	22.53	56.32
111.0	20.14	50.50
114.0	18.03	45.23
117.0	16.47	41.18
120.0	14.22	37.22
123.0	12.80	33.63
126.0	11.34	30.52
129.0	10.04	27.58
132.0	8.956	24.12
135.0	8.062	20.19
138.0	7.397	17.42
141.0	6.798	15.04
144.0	6.218	12.84
147.0	5.715	11.00
150.0	5.275	9.473
153.0	4.807	8.193
156.0	4.696	7.082
159.0	4.436	6.140
162.0	4.017	5.147
165.0	3.861	4.511
168.0	3.591	4.074
171.0	2.803	3.728
174.0	2.668	2.716
177.0	2.604	2.595
180.0	2.687	2.660

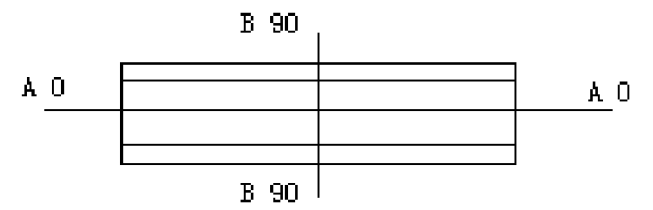
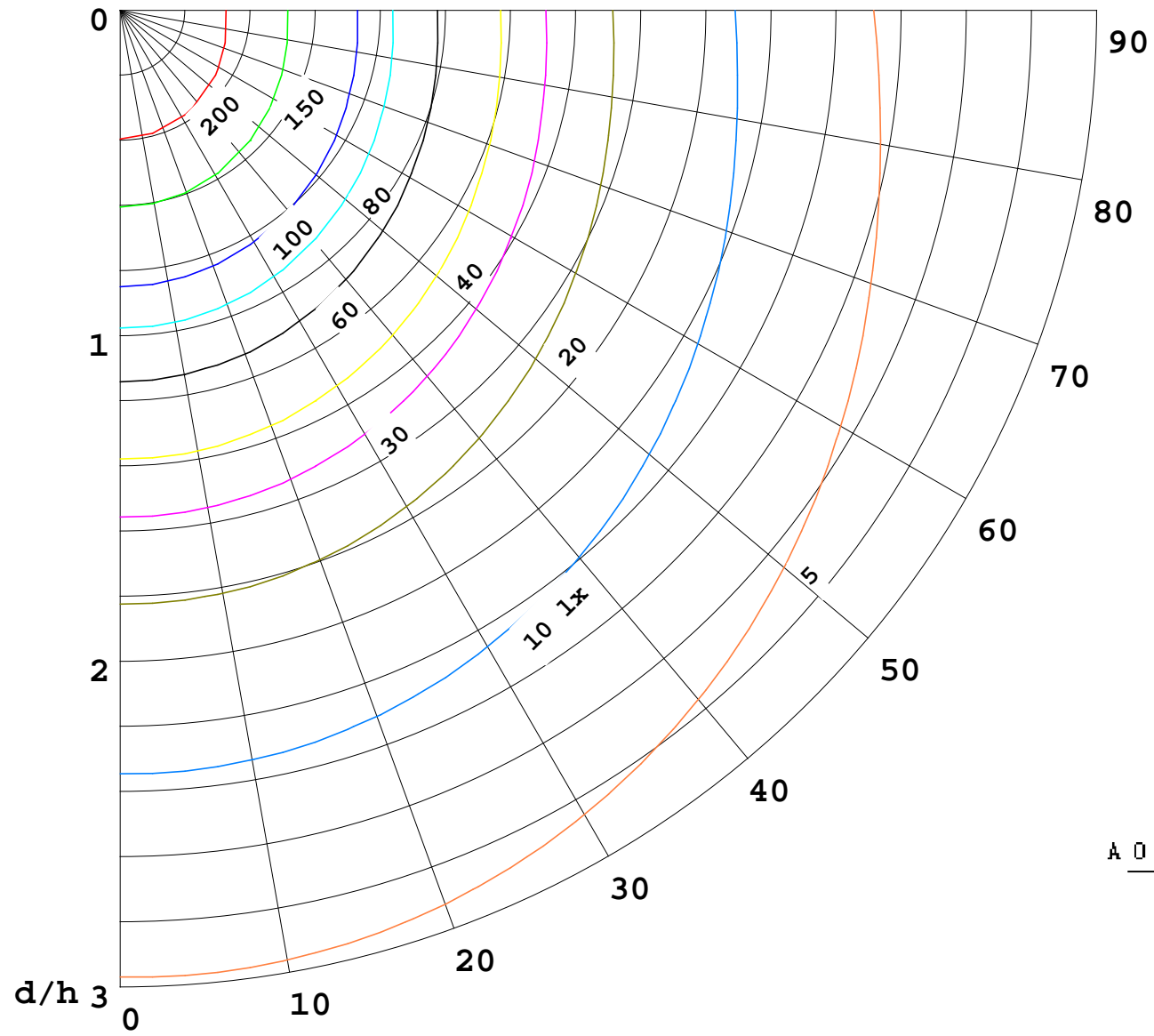
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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

