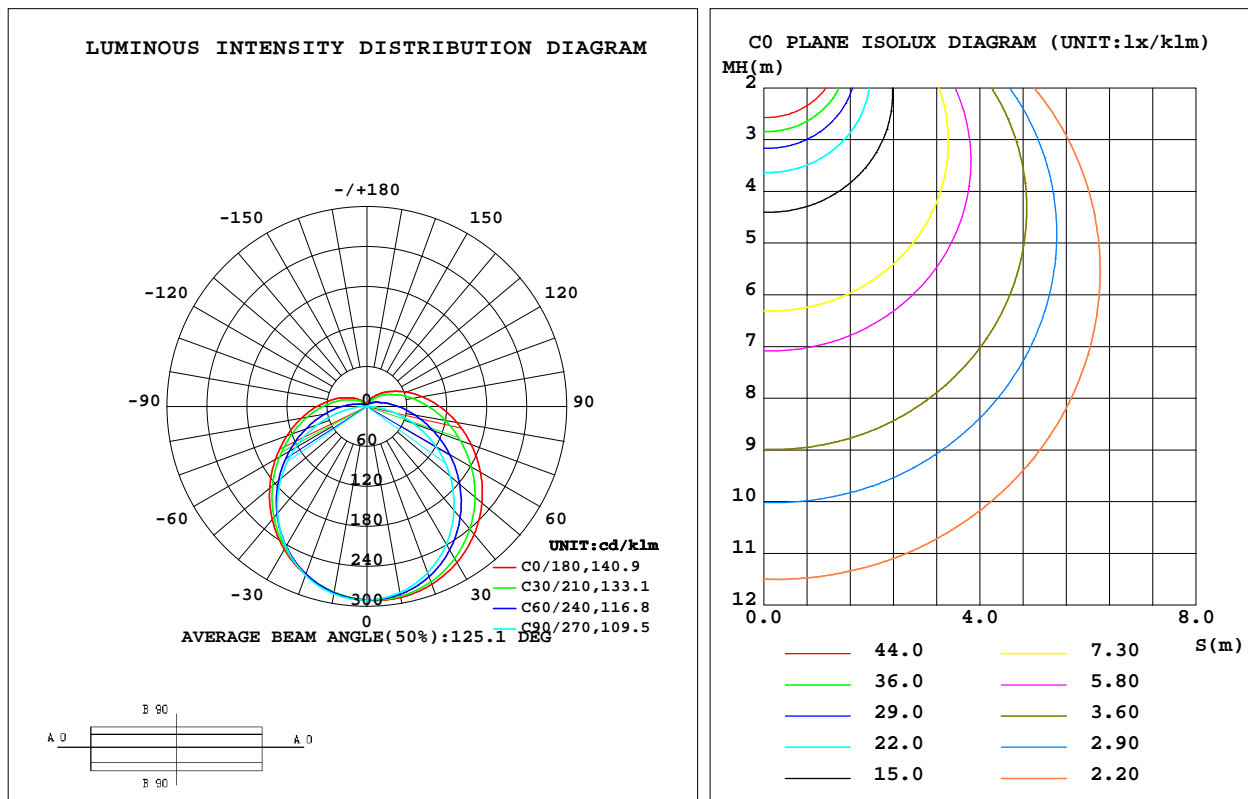


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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: 120.05 lm/W			
MODEL		I _{max} (cd/klm)	291.8	S/MH(C0/180)	1.27
NOMINAL POWER(W)	18	LOR(%)	113.4	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1134.1	h UP,DN(C0-180)	7.5,50.2
NOMINAL FLUX(lm)	1951.85	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	6.4,49.3
LAMPS INSIDE	1	h up(%)	13.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	99.5	CIBSE SHR MAX	1.50



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

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	291.1	287.8	283.6	282.3	283.4	283.6	285.7	289.6	0- 10	27.51	27.51	2.43,2.75
20	284.0	276.1	265.9	265.1	268.9	267.8	269.5	279.0	10- 20	79.06	106.6	9.4,10.7
30	270.2	256.0	238.3	240.1	247.9	244.0	243.3	259.6	20- 30	120.8	227.4	20,22.7
40	250.3	228.9	203.3	209.1	221.3	213.7	209.0	232.7	30- 40	147.9	375.2	33.1,37.5
50	225.3	196.9	163.2	174.6	190.8	179.3	168.7	200.3	40- 50	158.1	533.3	47,53.3
60	196.7	162.0	119.6	138.5	158.8	143.3	124.5	164.7	50- 60	151.8	685.1	60.4,68.5
70	166.5	127.3	73.93	103.9	127.7	108.2	78.18	129.1	60- 70	132.0	817.0	72,81.7
80	136.7	95.86	30.63	73.53	99.29	77.30	32.95	96.20	70- 80	103.9	920.9	81.2,92.1
90	109.3	69.77	1.582	49.43	75.30	52.39	1.881	69.33	80- 90	74.40	995.3	87.8,99.5
100	84.95	50.16	0.7417	31.97	55.37	33.91	0.6402	48.13	90-100	51.29	1047	92.3,105
110	64.19	35.15	1.151	19.53	39.11	20.76	1.026	33.48	100-110	34.63	1081	95.3,108
120	46.08	24.88	1.574	12.58	25.98	13.22	1.459	23.78	110-120	22.32	1104	97.3,110
130	32.92	16.79	2.011	8.202	16.83	8.407	1.861	16.59	120-130	14.09	1118	98.6,112
140	22.69	11.12	2.343	5.291	10.06	5.323	2.216	10.32	130-140	8.160	1126	99.3,113
150	15.25	7.372	2.696	3.760	5.774	3.643	2.565	7.036	140-150	4.456	1130	99.7,113
160	9.691	5.429	2.965	3.087	3.294	2.981	2.837	5.100	150-160	2.346	1133	99.9,113
170	4.006	3.860	3.116	3.168	3.066	3.136	3.067	3.861	160-170	1.118	1134	100,113
180	3.189	3.199	3.211	3.212	3.188	3.196	3.222	3.214	170-180	0.3159	1134	100,113
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

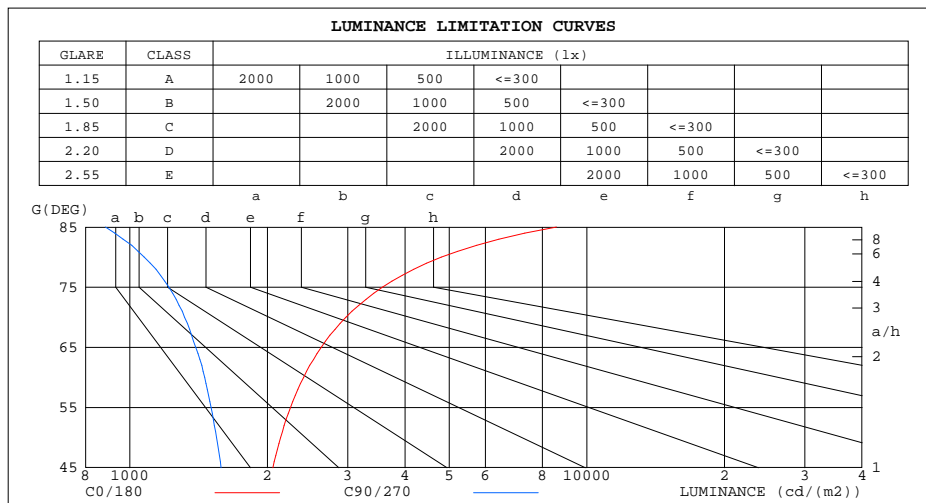
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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: 2022-10-18

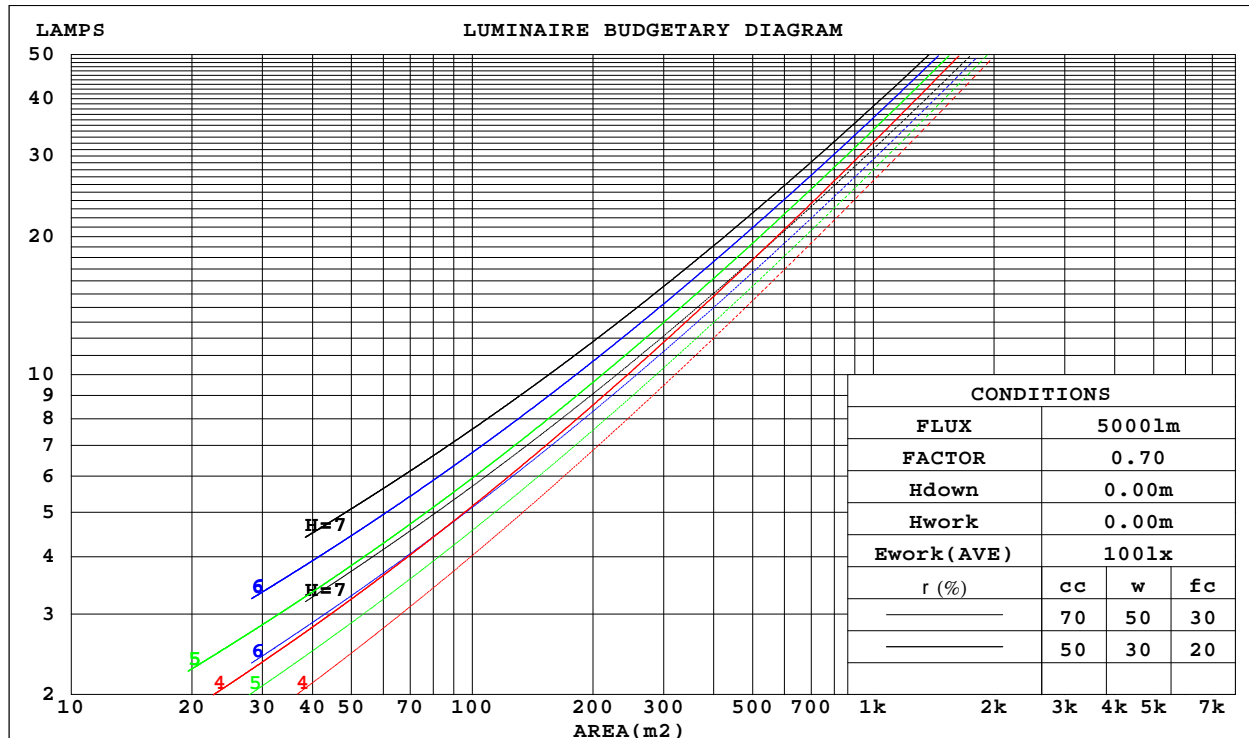
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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	1.32	1.32	1.32	1.27	1.27	1.27	1.18	1.18	1.18	1.10	1.10	1.10	1.03	1.03	1.03	.00
1.0	1.11	1.05	.00	1.07	1.01	.97	.99	.95	.91	.92	.89	.86	.86	.83	.81	.77
2.0	.95	.86	.79	.92	.84	.77	.85	.79	.73	.79	.74	.69	.74	.70	.66	.62
3.0	.83	.73	.65	.80	.71	.63	.74	.67	.60	.69	.63	.57	.65	.59	.55	.52
4.0	.73	.62	.54	.70	.61	.53	.66	.57	.51	.61	.54	.49	.57	.51	.46	.43
5.0	.65	.54	.46	.63	.53	.45	.59	.50	.43	.55	.48	.42	.51	.45	.40	.37
6.0	.58	.48	.40	.56	.46	.39	.53	.44	.38	.50	.42	.36	.46	.40	.35	.32
7.0	.52	.42	.35	.51	.41	.34	.48	.39	.33	.45	.38	.32	.42	.36	.31	.28
8.0	.48	.38	.31	.46	.37	.31	.44	.35	.30	.41	.34	.29	.39	.32	.28	.25
9.0	.44	.34	.28	.42	.34	.27	.40	.32	.26	.38	.31	.26	.36	.29	.25	.23
10.0	.40	.31	.25	.39	.31	.25	.37	.29	.24	.35	.28	.23	.33	.27	.22	.20



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

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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	.422	.240	.076	.410	.234	.074	.386	.222	.071	.365	.211	.068	.345	.200	.065	
2.0	.370	.203	.062	.359	.198	.061	.338	.188	.058	.319	.179	.056	.301	.170	.054	
3.0	.331	.176	.053	.321	.172	.052	.302	.164	.050	.285	.156	.048	.269	.149	.046	
4.0	.299	.155	.046	.290	.152	.045	.273	.145	.043	.257	.138	.042	.243	.132	.040	
5.0	.273	.139	.040	.265	.136	.040	.249	.130	.038	.235	.124	.037	.222	.118	.036	
6.0	.250	.126	.036	.243	.123	.035	.229	.117	.034	.216	.112	.033	.204	.107	.032	
7.0	.231	.114	.032	.225	.112	.032	.212	.107	.031	.200	.103	.030	.189	.098	.029	
8.0	.215	.105	.030	.209	.103	.029	.197	.099	.028	.186	.094	.027	.176	.090	.026	
9.0	.200	.097	.027	.195	.095	.027	.184	.091	.026	.174	.087	.025	.165	.084	.024	
10.0	.188	.090	.025	.183	.088	.025	.173	.085	.024	.164	.081	.023	.155	.078	.022	

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	.322	.322	.322	.275	.275	.275	.188	.188	.188	.108	.108	.108	.034	.034	.034	
1.0	.316	.283	.253	.270	.243	.218	.185	.167	.151	.106	.097	.088	.034	.031	.028	
2.0	.308	.257	.214	.264	.221	.185	.181	.153	.129	.104	.089	.076	.033	.029	.025	
3.0	.299	.238	.189	.256	.205	.164	.176	.142	.115	.102	.083	.068	.033	.027	.022	
4.0	.290	.223	.172	.249	.193	.149	.171	.134	.105	.099	.079	.062	.032	.026	.020	
5.0	.282	.212	.160	.242	.183	.140	.167	.128	.099	.096	.075	.058	.031	.025	.019	
6.0	.273	.203	.152	.235	.176	.133	.162	.123	.094	.094	.072	.056	.030	.024	.018	
7.0	.265	.195	.146	.228	.169	.127	.158	.119	.090	.092	.070	.054	.030	.023	.018	
8.0	.258	.189	.142	.222	.164	.123	.153	.115	.088	.089	.068	.052	.029	.022	.017	
9.0	.250	.183	.138	.216	.159	.120	.149	.112	.085	.087	.066	.051	.028	.022	.017	
10.0	.244	.179	.135	.210	.155	.118	.146	.109	.084	.085	.064	.050	.028	.021	.017	

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

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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	15.4	16.9	15.9	17.3	17.7	13.5	14.9	13.9	15.3	15.8	
	3H	18.0	19.3	18.4	19.7	20.2	15.0	16.3	15.5	16.8	17.2
	4H	19.3	20.6	19.8	21.1	21.6	15.6	16.9	16.1	17.3	17.9
	6H	20.9	22.1	21.4	22.5	23.1	16.1	17.3	16.6	17.8	18.3
	8H	21.7	22.9	22.2	23.4	23.9	16.2	17.4	16.8	17.9	18.4
	12H	22.7	23.8	23.2	24.3	24.9	16.3	17.4	16.8	17.9	18.5
4H	2H	16.0	17.2	16.5	17.7	18.2	14.5	15.8	15.0	16.2	16.8
	3H	18.8	19.9	19.3	20.4	20.9	16.3	17.4	16.8	17.9	18.5
	4H	20.3	21.4	20.9	21.9	22.5	17.1	18.1	17.7	18.7	19.3
	6H	22.1	23.0	22.7	23.6	24.2	17.8	18.7	18.4	19.3	19.9
	8H	23.1	23.9	23.6	24.5	25.1	18.0	18.9	18.6	19.5	20.1
	12H	24.2	25.0	24.8	25.6	26.2	18.2	19.0	18.8	19.6	20.3
8H	4H	20.7	21.5	21.3	22.1	22.7	18.1	18.9	18.7	19.5	20.2
	6H	22.7	23.4	23.3	24.1	24.7	19.1	19.8	19.7	20.4	21.1
	8H	23.9	24.6	24.6	25.2	25.9	19.6	20.2	20.2	20.8	21.5
	12H	25.3	25.9	25.9	26.5	27.2	19.9	20.5	20.6	21.1	21.9
12H	4H	20.7	21.5	21.3	22.1	22.7	18.4	19.2	19.0	19.8	20.4
	6H	22.8	23.5	23.5	24.1	24.8	19.6	20.3	20.3	20.9	21.6
	8H	24.1	24.7	24.8	25.3	26.1	20.2	20.8	20.9	21.5	22.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
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:2022-10-18

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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	57	43	35	56	43	35	54	42	35	27
0.80	68	53	45	66	53	44	64	51	43	35
1.00	77	63	53	75	62	53	71	63	52	42
1.25	85	71	61	82	70	61	78	67	59	49
1.50	90	77	68	88	76	67	83	73	65	54
2.00	98	87	78	95	84	76	90	81	74	62
2.50	103	92	84	100	90	82	94	86	79	66
3.00	107	98	90	104	95	88	97	90	84	71
4.00	113	104	97	109	101	95	102	96	90	76
5.00	116	109	102	112	105	100	104	99	94	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

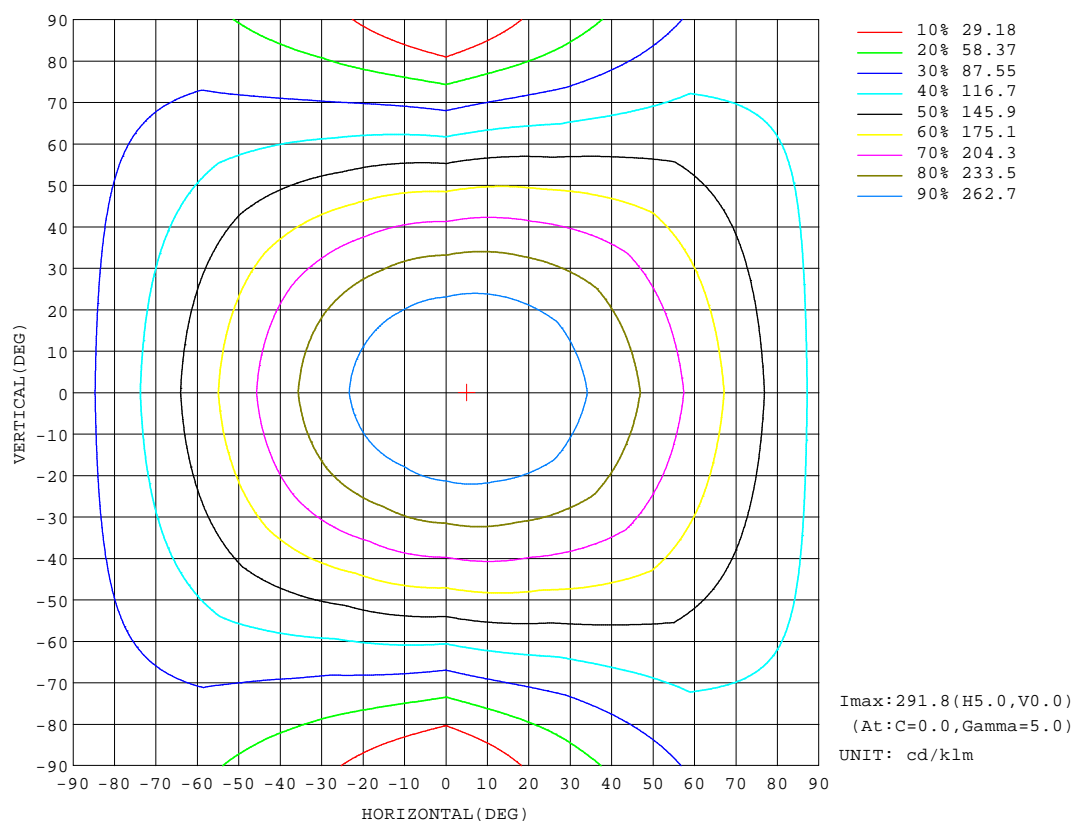
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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: 2022-10-18

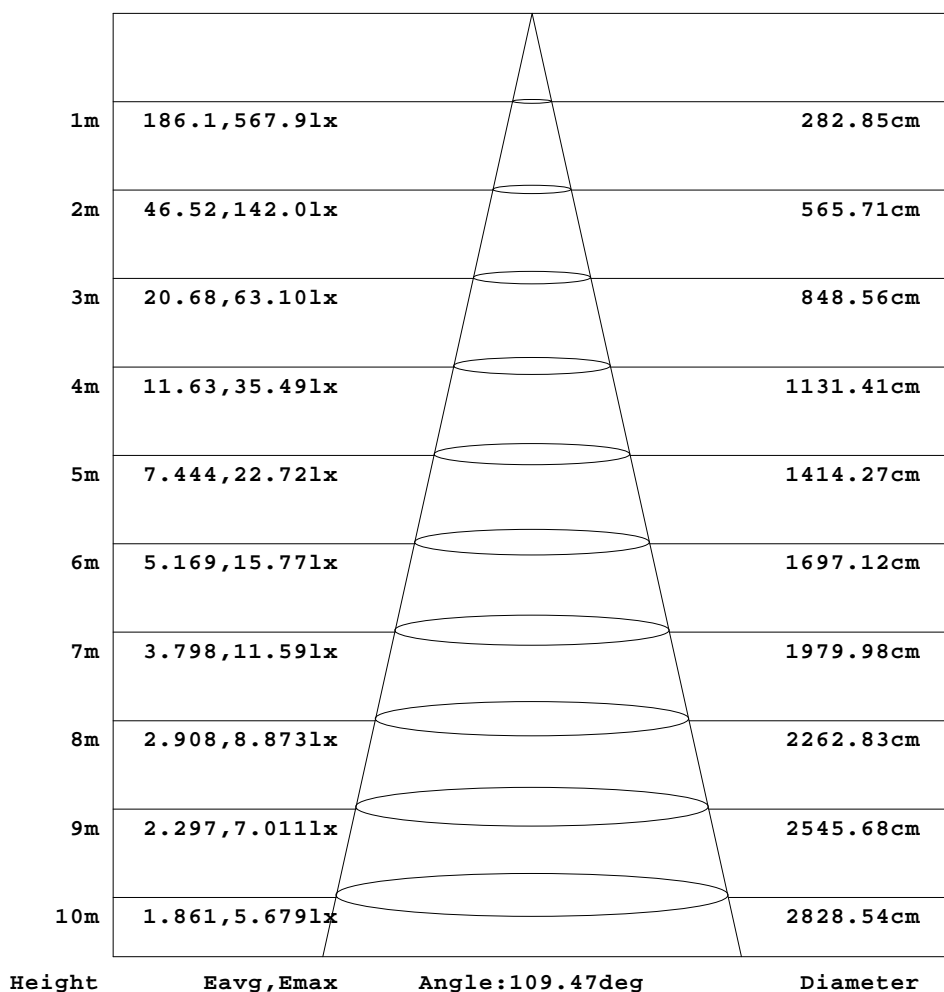
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1192 lm



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

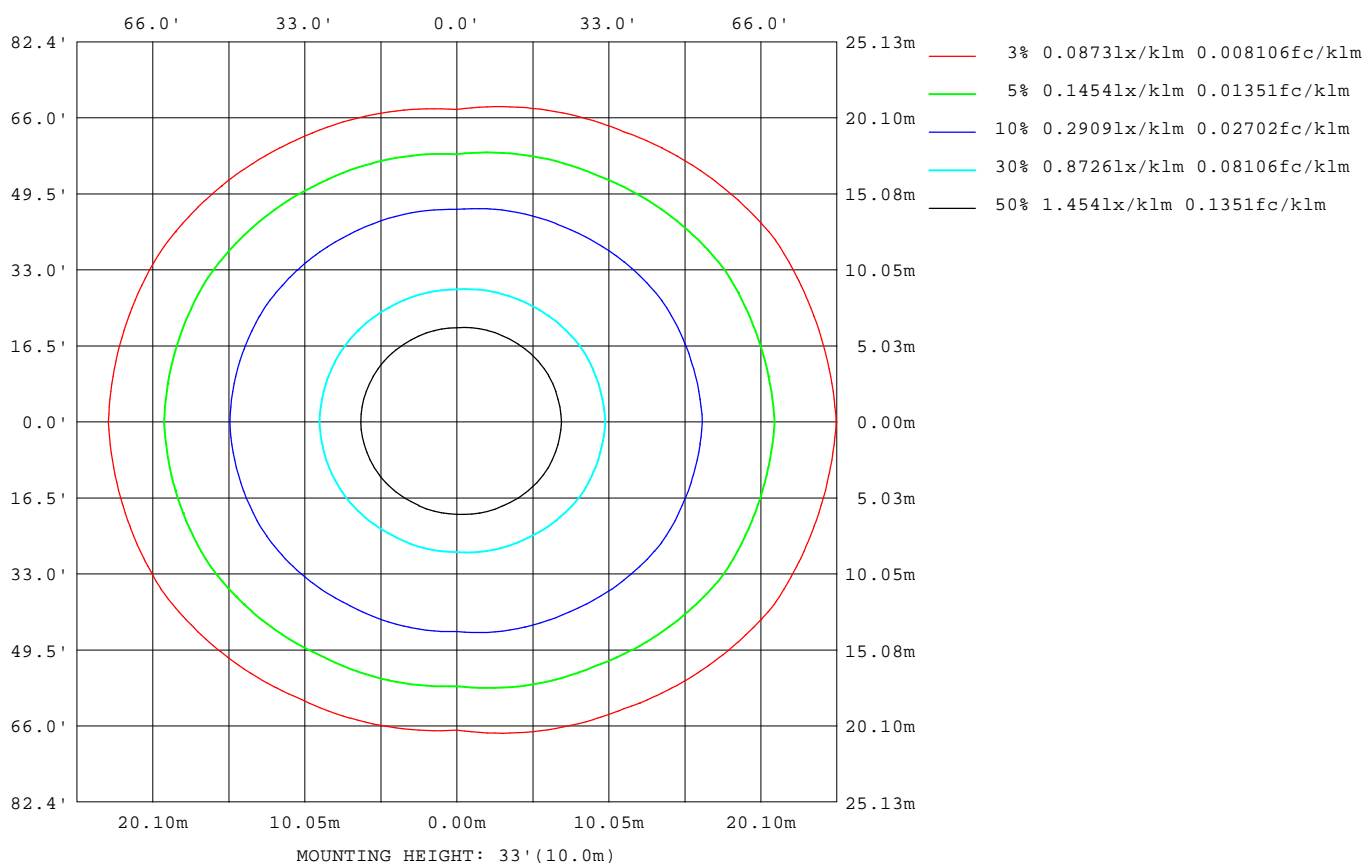
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-10-18

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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: 2022-10-18

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 Freq:50.80Hz Lamp Flux:1951.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

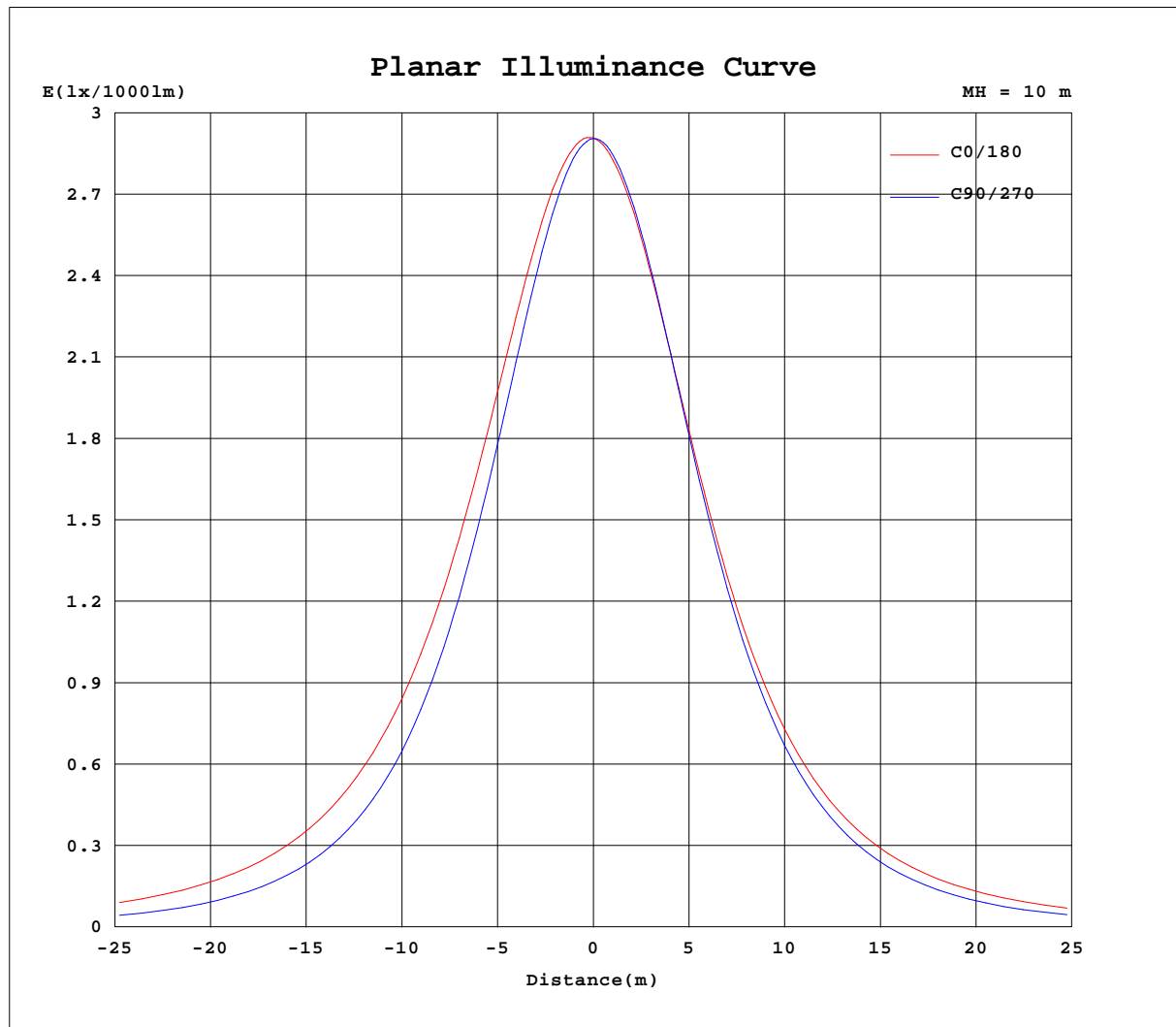
AvgL	cd/m2
L_0~180(65)av	2343
L_0~180(75)av	3119
L_0~180(85)av	7330
L_90~270(65)av	1429
L_90~270(75)av	1258
L_90~270(85)av	934
L_45(65)av	1946
L_45(75)av	2397
L_45(85)av	5169

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.24V I:0.1604A P:18.439W PF:0.9561 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	291	290	290	291	291	291	291	290	290	291	291	291					
5	292	291	290	289	288	288	288	288	288	290	291	292					
10	291	289	286	284	282	283	283	283	284	286	289	291					
15	288	286	280	276	274	275	277	276	277	279	283	287					
20	284	280	272	266	264	266	269	268	268	270	276	282					
25	278	273	261	253	251	256	259	258	256	258	266	275					
30	270	263	249	238	237	243	248	245	242	243	254	266					
35	261	252	234	222	221	230	235	232	227	227	239	255					
40	250	240	218	203	204	215	221	217	210	209	223	242					
45	238	227	200	184	186	199	206	202	192	189	206	229					
50	225	212	182	163	167	183	191	185	173	169	187	214					
55	211	197	163	142	147	166	175	169	154	147	167	198					
60	197	181	143	120	128	149	159	152	135	124	148	182					
65	182	165	124	96.6	109	133	143	135	116	101	128	166					
70	166	149	105	73.9	90.7	117	128	120	96.9	78.2	109	150					
75	151	134	88.1	51.7	73.8	102	113	105	79.6	55.1	90.0	134					
80	137	119	72.5	30.6	58.7	88.4	99.3	90.9	63.7	33.0	73.4	119					
85	123	106	58.8	12.6	45.3	75.9	86.8	78.2	49.9	14.0	58.9	105					
90	109	92.5	47.1	1.58	34.3	64.6	75.3	66.6	38.2	1.88	46.7	92.0					
95	96.8	80.8	37.8	0.55	25.3	54.5	64.8	56.2	28.6	0.45	35.9	79.6					
100	85.0	70.1	30.2	0.74	18.5	45.5	55.4	46.7	21.1	0.64	27.9	68.3					
105	74.1	60.4	22.6	0.96	12.5	37.6	46.9	38.6	14.5	0.84	21.0	58.6					
110	64.2	51.3	19.0	1.15	9.50	29.5	39.1	30.5	11.0	1.03	17.8	49.2					
115	54.1	42.9	16.3	1.36	7.31	23.8	31.7	24.7	8.41	1.25	14.0	41.4					
120	46.1	36.6	13.2	1.57	5.75	19.4	26.0	19.9	6.51	1.46	12.2	35.4					
125	39.1	31.0	11.0	1.80	4.72	15.6	21.1	15.9	5.17	1.67	10.1	30.0					
130	32.9	24.9	8.65	2.01	4.03	12.4	16.8	12.5	4.28	1.86	8.57	24.6					
135	27.4	19.5	7.89	2.19	3.48	9.66	13.2	9.71	3.66	2.05	7.37	18.6					
140	22.7	15.3	6.97	2.34	3.05	7.53	10.1	7.49	3.16	2.22	6.50	14.1					
145	18.6	12.0	6.22	2.53	2.76	5.95	7.62	5.84	2.76	2.37	5.76	11.3					
150	15.2	9.14	5.60	2.70	2.81	4.71	5.77	4.56	2.72	2.56	5.04	9.03					
155	12.2	7.73	5.31	2.84	2.91	3.73	4.35	3.58	2.78	2.70	4.73	7.25					
160	9.69	6.33	4.53	2.97	3.02	3.16	3.29	3.07	2.89	2.84	4.39	5.81					
165	7.49	5.23	4.24	3.07	3.11	3.12	3.00	3.06	3.00	2.96	4.18	4.97					
170	4.01	4.24	3.48	3.12	3.19	3.15	3.07	3.14	3.13	3.07	3.40	4.32					
175	3.37	3.41	3.19	3.18	3.21	3.23	3.14	3.22	3.18	3.16	3.19	3.31					
180	3.19	3.19	3.21	3.21	3.22	3.20	3.19	3.19	3.20	3.22	3.22	3.21					

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

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	290.9	290.4	290.4	290.6	290.6	290.7	290.9	290.4	290.4	290.6
3.0	291.6	290.8	290.2	289.6	289.1	289.2	289.3	289.0	289.5	290.3
6.0	291.7	290.7	289.2	287.9	286.8	287.0	287.0	287.0	287.8	289.0
9.0	291.2	289.8	287.1	284.8	283.4	283.7	284.4	284.2	285.1	286.7
12.0	290.3	288.2	284.2	280.8	279.2	279.9	281.1	280.7	281.5	283.4
15.0	288.5	285.7	280.4	276.1	273.9	275.5	277.0	276.5	277.0	279.1
18.0	286.0	282.6	275.7	270.3	267.9	270.3	272.3	271.6	271.7	273.8
21.0	282.9	278.9	270.1	263.4	261.3	264.4	267.1	265.9	265.6	267.5
24.0	279.3	274.4	263.6	255.8	253.8	258.0	261.4	259.8	258.6	260.2
27.0	275.0	269.2	256.5	247.5	245.6	250.9	254.9	253.1	250.9	252.2
30.0	270.2	263.4	248.6	238.3	236.8	243.3	247.9	245.5	242.5	243.3
33.0	264.9	257.1	240.2	228.6	227.5	235.4	240.4	237.7	233.5	233.9
36.0	258.9	250.2	230.9	218.2	217.6	226.7	232.6	229.2	223.9	223.5
39.0	252.6	242.7	221.2	207.1	207.3	217.6	224.2	220.3	213.7	212.7
42.0	245.6	234.9	210.9	195.7	196.4	208.4	215.5	211.2	203.2	201.4
45.0	238.3	226.6	200.3	183.7	185.5	198.7	206.4	201.6	192.3	189.5
48.0	230.6	217.8	189.2	171.4	174.2	188.9	197.1	191.7	180.9	177.0
51.0	222.6	208.9	177.9	158.9	162.6	179.0	187.7	181.9	169.6	164.3
54.0	214.2	199.6	166.4	146.0	151.1	169.0	178.1	171.9	158.1	151.4
57.0	205.5	190.3	154.8	132.9	139.5	159.0	168.3	161.7	146.4	137.9
60.0	196.7	180.8	143.2	119.6	127.9	149.0	158.8	151.9	134.8	124.5
63.0	187.8	171.1	131.6	105.9	116.4	139.1	149.2	141.9	123.2	110.6
66.0	178.6	161.6	120.2	92.00	105.1	129.5	139.7	132.1	111.9	96.67
69.0	169.5	152.4	109.1	78.54	94.30	120.2	130.7	122.7	100.5	82.85
72.0	160.5	142.9	98.36	64.95	83.80	111.1	121.8	113.5	89.84	68.91
75.0	151.4	133.8	88.14	51.66	73.83	101.7	113.3	104.7	79.57	55.12
78.0	142.6	125.1	78.59	38.89	64.58	93.75	104.9	96.32	69.88	41.58
81.0	133.8	116.5	69.60	26.74	55.89	85.85	96.76	88.29	60.86	28.91
84.0	125.4	108.3	61.37	15.88	47.97	78.34	89.19	80.61	52.49	17.43
87.0	117.2	100.0	54.01	7.119	40.71	71.33	82.05	73.45	44.94	8.049
90.0	109.3	92.48	47.07	1.582	34.27	64.58	75.30	66.62	38.16	1.881
93.0	101.7	85.28	41.31	0.4422	28.62	58.36	68.87	60.20	32.13	0.3881
96.0	94.27	78.53	36.21	0.5713	23.79	52.55	62.83	54.19	26.89	0.4878
99.0	87.17	72.07	31.62	0.7003	19.69	47.12	57.15	48.58	22.46	0.5706
102.0	80.43	66.03	27.56	0.8403	15.65	42.16	51.86	43.30	18.23	0.7230
105.0	74.09	60.44	22.62	0.9570	12.48	37.60	46.89	38.63	14.54	0.8379
108.0	67.99	55.14	20.36	1.070	10.58	33.22	42.22	33.95	12.24	0.9671
111.0	62.29	49.08	18.40	1.192	9.019	28.01	37.15	29.15	10.39	1.073
114.0	55.86	44.25	16.89	1.318	7.735	24.80	32.97	25.76	8.870	1.202
117.0	50.93	40.30	15.01	1.445	6.595	21.96	29.30	22.69	7.584	1.330
120.0	46.08	36.56	13.20	1.574	5.748	19.41	25.98	19.92	6.508	1.459
123.0	41.84	33.18	11.73	1.713	5.091	17.09	22.96	17.45	5.644	1.581
126.0	37.82	30.05	10.59	1.838	4.562	14.94	20.14	15.20	4.957	1.705
129.0	34.08	26.48	9.017	1.962	4.148	12.99	17.64	13.17	4.431	1.825
132.0	30.72	22.47	8.377	2.084	3.801	11.24	15.32	11.34	4.014	1.935
135.0	27.36	19.46	7.890	2.192	3.476	9.663	13.17	9.705	3.660	2.046
138.0	24.43	16.92	7.323	2.280	3.206	8.312	11.23	8.292	3.350	2.148
141.0	21.82	14.51	6.803	2.375	2.971	7.176	9.529	7.127	3.066	2.247
144.0	19.41	12.56	6.352	2.492	2.790	6.219	8.049	6.136	2.823	2.344
147.0	17.20	10.93	5.959	2.612	2.780	5.415	6.815	5.293	2.699	2.480
150.0	15.25	9.139	5.605	2.696	2.814	4.706	5.774	4.562	2.723	2.565
153.0	13.45	8.235	5.378	2.780	2.866	4.085	4.875	3.949	2.746	2.642
156.0	11.29	7.410	5.222	2.868	2.940	3.563	4.097	3.412	2.795	2.719
159.0	10.23	6.596	4.603	2.945	3.001	3.182	3.471	3.086	2.865	2.803
162.0	8.999	5.674	4.396	3.005	3.058	3.125	3.071	3.046	2.931	2.884
165.0	7.492	5.226	4.244	3.066	3.114	3.121	3.005	3.062	3.005	2.958
168.0	4.724	4.488	3.972	3.089	3.148	3.123	3.023	3.116	3.080	3.021
171.0	3.868	4.141	3.487	3.132	3.209	3.159	3.091	3.159	3.148	3.089
174.0	3.421	3.433	3.205	3.168	3.200	3.213	3.129	3.211	3.161	3.144
177.0	3.185	3.197	3.200	3.198	3.220	3.202	3.164	3.195	3.198	3.191
180.0	3.189	3.189	3.209	3.211	3.222	3.202	3.188	3.189	3.202	3.222
G/C	300.0	330.0								
0.0	290.6	290.7								
3.0	291.2	291.4								
6.0	290.7	291.6								
9.0	289.3	291.0								
12.0	286.8	289.5								
15.0	283.5	287.2								
18.0	279.2	284.4								
21.0	274.2	280.7								
24.0	268.3	276.4								
27.0	261.4	271.2								
30.0	253.7	265.6								

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

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

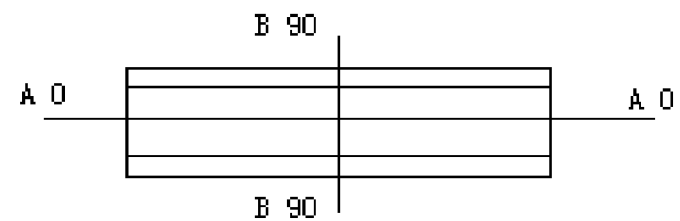
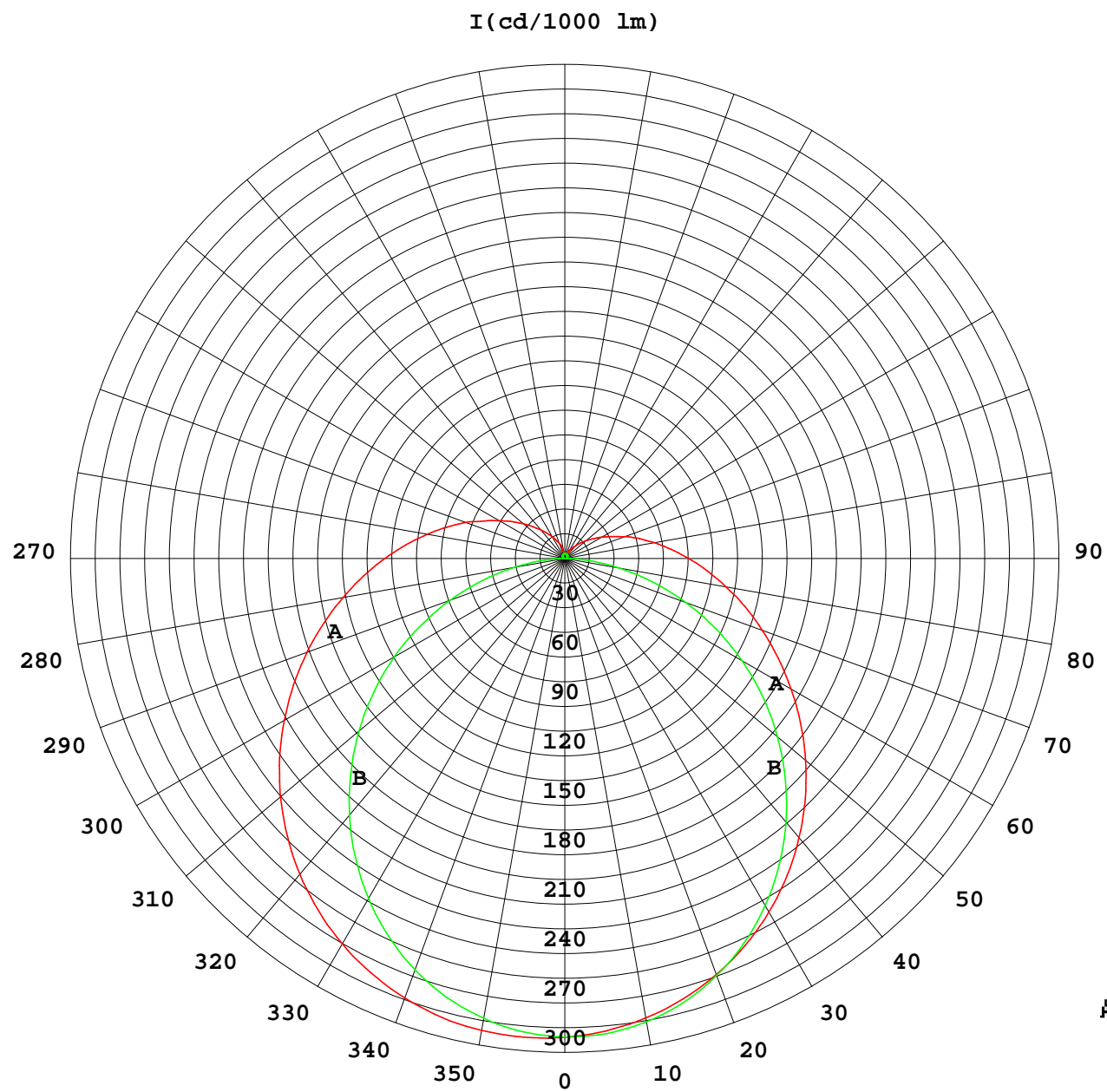
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	245.3	259.2
36.0	236.4	252.2
39.0	226.6	244.7
42.0	216.4	236.9
45.0	205.7	228.5
48.0	194.5	219.7
51.0	183.2	210.6
54.0	171.3	201.3
57.0	159.5	191.6
60.0	147.5	181.9
63.0	135.7	172.1
66.0	123.8	162.4
69.0	112.4	152.9
72.0	100.6	143.4
75.0	89.97	134.0
78.0	79.84	125.0
81.0	70.38	116.3
84.0	61.60	107.8
87.0	53.71	99.78
90.0	46.65	92.01
93.0	40.11	84.50
96.0	33.81	77.22
99.0	29.17	70.47
102.0	25.47	64.25
105.0	21.03	58.61
108.0	19.00	53.43
111.0	16.87	46.96
114.0	14.03	42.71
117.0	13.55	38.92
120.0	12.20	35.36
123.0	10.88	32.05
126.0	9.777	29.06
129.0	8.851	25.49
132.0	8.099	22.24
135.0	7.371	18.63
138.0	6.802	15.68
141.0	6.336	13.75
144.0	5.895	11.83
147.0	5.525	10.29
150.0	5.039	9.033
153.0	4.951	7.906
156.0	4.633	6.931
159.0	4.486	6.101
162.0	4.258	5.232
165.0	4.178	4.972
168.0	3.585	4.417
171.0	3.403	4.151
174.0	3.181	3.396
177.0	3.200	3.198
180.0	3.222	3.206

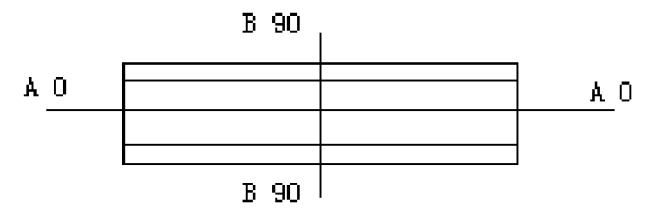
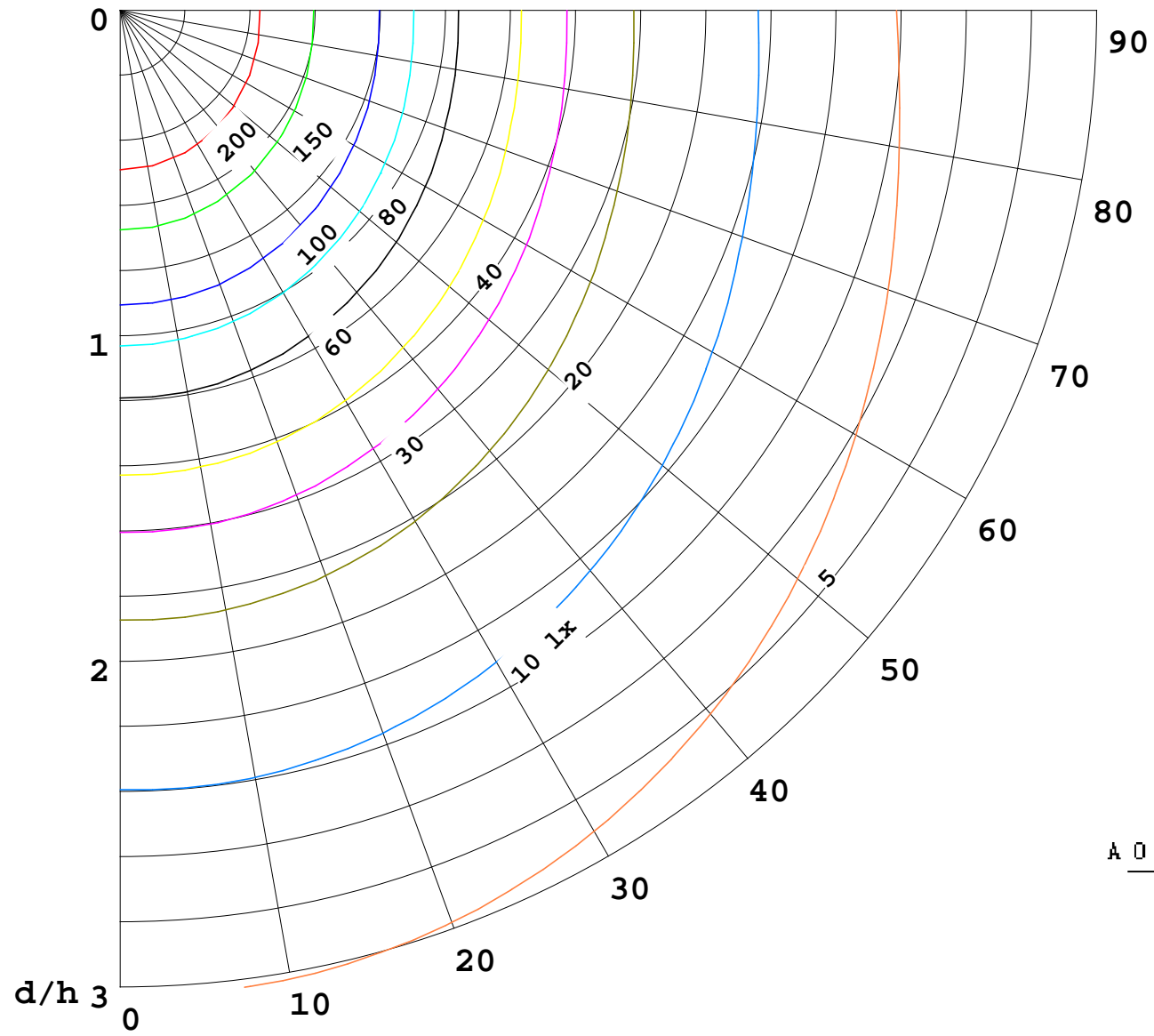
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-10-18

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



1000 lm

$K = 1$



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

