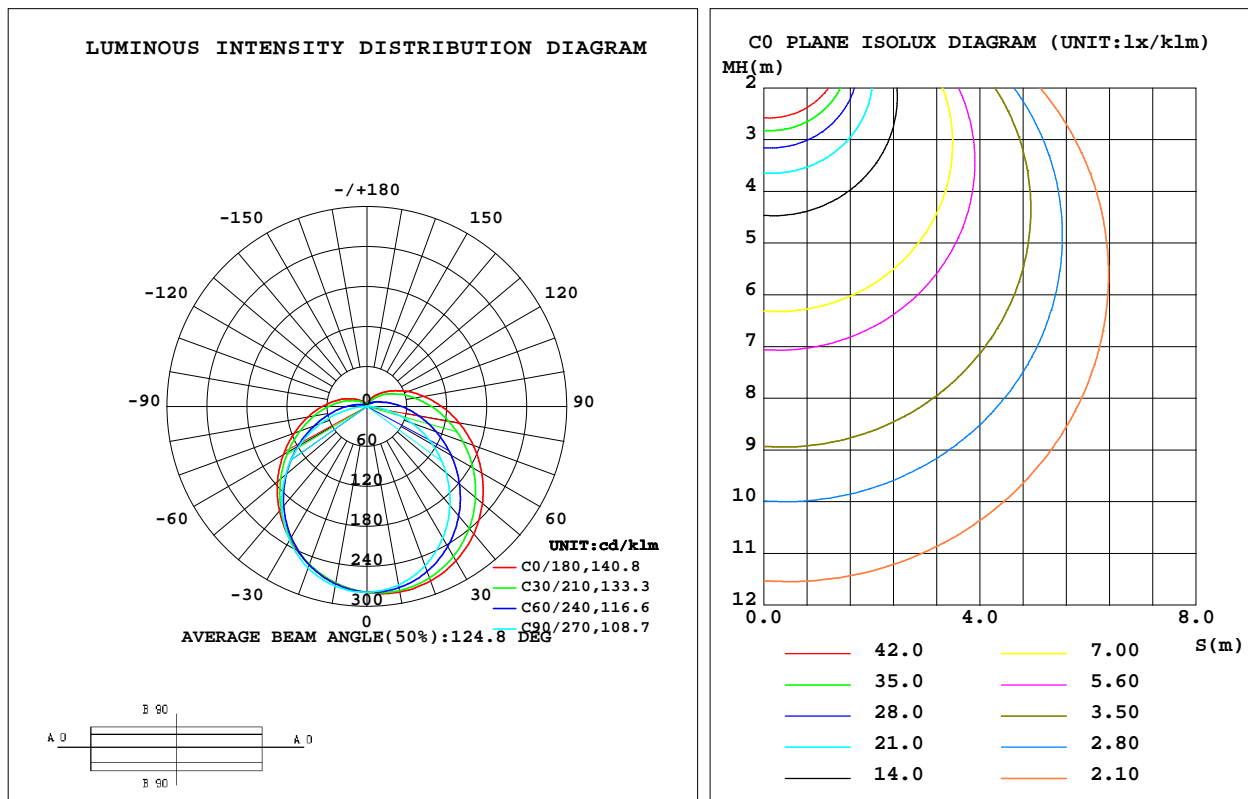


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.69 lm/W			
MODEL		I _{max} (cd/klm)	282.7	S/MH(C0/180)	1.24
NOMINAL POWER(W)	20	LOR(%)	109.3	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1092.9	h UP,DN(C0-180)	7.5,48.6
NOMINAL FLUX(lm)	2173.51	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	6.2,47.0
LAMPS INSIDE	1	h up(%)	13.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	95.6	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	282.7	278.3	272.1	268.7	269.1	269.9	273.7	279.8	0- 10	26.39	26.39	2.42,2.64
20	278.7	268.7	254.5	250.0	252.5	252.6	258.1	271.7	10- 20	75.82	102.2	9.35,10.2
30	267.5	251.1	227.8	224.1	230.6	228.0	232.2	254.6	20- 30	115.8	218.0	19.9,21.8
40	249.5	226.4	193.8	193.2	204.6	197.6	198.8	230.3	30- 40	141.7	359.7	32.9,36
50	226.3	197.0	155.2	159.1	175.2	163.7	159.7	200.5	40- 50	151.5	511.1	46.8,51.1
60	198.9	164.7	113.6	124.2	145.1	128.6	117.3	167.6	50- 60	145.6	656.7	60.1,65.7
70	169.5	131.8	70.17	91.29	115.9	95.22	73.14	133.8	60- 70	126.9	783.7	71.7,78.4
80	140.0	101.1	29.23	63.23	89.51	66.59	30.56	101.8	70- 80	100.4	884.1	80.9,88.4
90	112.5	74.91	1.721	41.94	67.39	44.54	1.696	74.26	80- 90	72.34	956.4	87.5,95.6
100	87.68	53.75	0.7499	27.16	49.16	28.82	0.6748	51.79	90-100	50.16	1007	92.1,101
110	66.43	37.45	1.140	16.86	34.54	17.95	1.044	35.78	100-110	34.08	1041	95.2,104
120	47.90	26.11	1.530	11.20	22.99	11.75	1.453	24.99	110-120	22.07	1063	97.2,106
130	34.02	17.24	1.949	7.561	15.11	7.762	1.840	17.16	120-130	13.98	1077	98.5,108
140	23.21	11.13	2.270	5.058	9.340	5.117	2.177	10.43	130-140	8.093	1085	99.3,108
150	15.28	7.172	2.621	3.687	5.591	3.603	2.513	6.938	140-150	4.403	1089	99.7,109
160	9.472	5.171	2.885	3.033	3.275	2.944	2.774	4.940	150-160	2.297	1091	99.9,109
170	3.889	3.720	3.038	3.098	3.025	3.077	2.998	3.724	160-170	1.088	1093	100,109
180	3.109	3.119	3.133	3.125	3.112	3.120	3.133	3.126	170-180	0.3077	1093	100,109
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

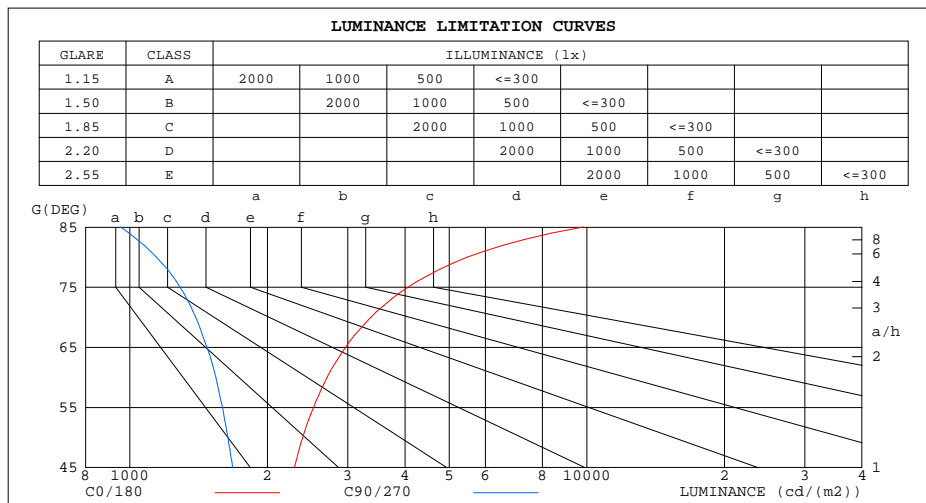
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9813	955
80	5476	1143
75	4059	1288
70	3366	1394
65	2963	1475
60	2702	1543
55	2523	1596
50	2391	1640
45	2290	1679

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

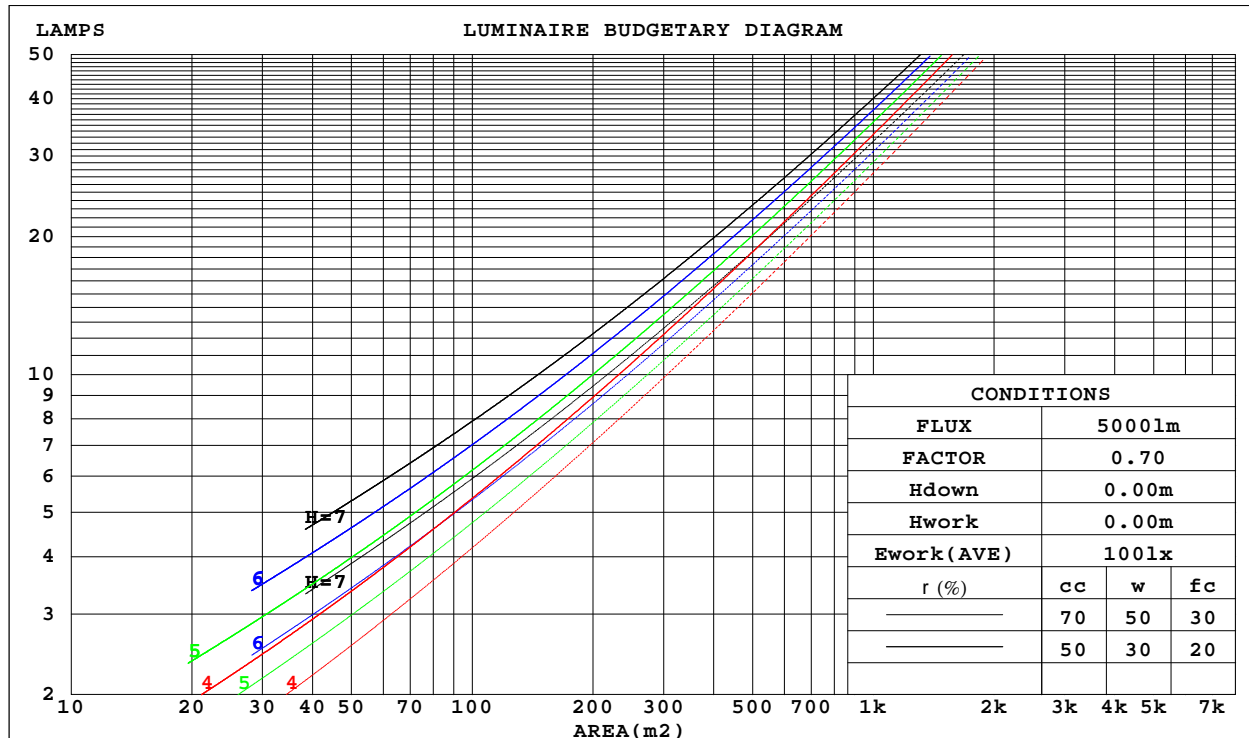
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 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	1.27	1.27	1.27	1.22	1.22	1.22	1.14	1.14	1.14	1.06	1.06	1.06	.99	.99	.99	.96
1.0	1.07	1.01	.96	1.03	.98	.93	.96	.91	.88	.89	.86	.82	.83	.80	.78	.74
2.0	.92	.83	.76	.88	.81	.74	.82	.76	.70	.76	.71	.67	.71	.67	.63	.60
3.0	.80	.70	.62	.77	.68	.61	.72	.64	.58	.67	.60	.55	.62	.57	.53	.49
4.0	.70	.60	.52	.68	.58	.51	.63	.55	.49	.59	.52	.47	.55	.49	.45	.42
5.0	.62	.52	.44	.60	.51	.43	.56	.48	.42	.53	.46	.40	.49	.43	.38	.36
6.0	.56	.46	.38	.54	.45	.38	.51	.42	.36	.48	.40	.35	.45	.38	.34	.31
7.0	.51	.41	.34	.49	.40	.33	.46	.38	.32	.43	.36	.31	.41	.34	.30	.27
8.0	.46	.36	.30	.45	.36	.29	.42	.34	.28	.40	.33	.27	.37	.31	.26	.24
9.0	.42	.33	.27	.41	.32	.26	.39	.31	.25	.36	.30	.25	.34	.28	.24	.22
10.0	.39	.30	.24	.38	.29	.24	.36	.28	.23	.34	.27	.22	.32	.26	.22	.19



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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 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	.408	.232	.073	.396	.226	.072	.373	.214	.068	.352	.203	.065	.333	.193	.062	
2.0	.357	.196	.060	.346	.191	.059	.326	.181	.056	.307	.172	.054	.290	.164	.052	
3.0	.319	.170	.051	.309	.166	.050	.291	.158	.048	.274	.150	.046	.259	.143	.044	
4.0	.288	.150	.044	.280	.146	.043	.263	.140	.042	.248	.133	.040	.234	.127	.039	
5.0	.263	.134	.039	.255	.131	.038	.240	.125	.037	.226	.119	.036	.213	.114	.034	
6.0	.241	.121	.035	.234	.118	.034	.221	.113	.033	.208	.108	.032	.196	.103	.031	
7.0	.223	.110	.031	.216	.108	.031	.204	.103	.030	.193	.099	.029	.182	.094	.028	
8.0	.207	.101	.028	.201	.099	.028	.190	.095	.027	.179	.091	.026	.169	.087	.025	
9.0	.193	.093	.026	.188	.092	.026	.177	.088	.025	.168	.084	.024	.159	.081	.023	
10.0	.181	.087	.024	.176	.085	.024	.166	.082	.023	.158	.078	.022	.149	.075	.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	.312	.312	.312	.267	.267	.267	.182	.182	.182	.105	.105	.105	.033	.033	.033	
1.0	.307	.275	.246	.262	.236	.212	.179	.162	.147	.103	.094	.085	.033	.030	.028	
2.0	.299	.250	.208	.256	.215	.180	.175	.149	.125	.101	.086	.074	.032	.028	.024	
3.0	.291	.231	.184	.249	.199	.159	.171	.139	.112	.099	.081	.066	.032	.026	.022	
4.0	.282	.217	.168	.242	.188	.146	.166	.131	.103	.096	.077	.061	.031	.025	.020	
5.0	.274	.206	.157	.235	.179	.136	.162	.125	.096	.094	.073	.057	.030	.024	.019	
6.0	.265	.198	.149	.228	.171	.130	.157	.120	.092	.091	.070	.055	.029	.023	.018	
7.0	.258	.190	.143	.222	.165	.125	.153	.116	.088	.089	.068	.053	.029	.022	.017	
8.0	.250	.184	.139	.216	.160	.121	.149	.112	.086	.087	.066	.051	.028	.022	.017	
9.0	.244	.179	.135	.210	.155	.118	.145	.109	.084	.085	.064	.050	.027	.021	.017	
10.0	.237	.174	.132	.204	.151	.116	.142	.106	.082	.083	.063	.049	.027	.021	.016	

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 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	16.0	17.4	16.4	17.8	18.3	13.9	15.3	14.3	15.7	16.2	
	3H	18.6	19.9	19.0	20.3	20.8	15.4	16.7	15.9	17.2	17.7
	4H	20.0	21.2	20.5	21.7	22.2	16.1	17.3	16.5	17.8	18.3
	6H	21.5	22.7	22.0	23.2	23.7	16.5	17.7	17.0	18.2	18.7
	8H	22.4	23.5	22.9	24.0	24.6	16.7	17.8	17.2	18.3	18.9
	12H	23.4	24.5	23.9	25.0	25.5	16.8	17.9	17.3	18.4	19.0
4H	2H	16.6	17.8	17.1	18.3	18.8	15.0	16.3	15.5	16.8	17.3
	3H	19.4	20.5	19.9	21.0	21.6	16.9	18.0	17.4	18.5	19.0
	4H	21.0	22.0	21.5	22.5	23.1	17.7	18.7	18.3	19.2	19.8
	6H	22.7	23.7	23.3	24.2	24.9	18.4	19.3	19.0	19.9	20.5
	8H	23.7	24.6	24.3	25.2	25.8	18.6	19.5	19.2	20.1	20.7
	12H	24.8	25.6	25.5	26.2	26.9	18.8	19.6	19.4	20.2	20.9
8H	4H	21.3	22.2	21.9	22.8	23.4	18.7	19.6	19.3	20.1	20.8
	6H	23.4	24.1	24.0	24.7	25.4	19.8	20.5	20.4	21.1	21.8
	8H	24.6	25.2	25.2	25.9	26.6	20.3	20.9	20.9	21.6	22.3
	12H	26.0	26.5	26.6	27.2	27.9	20.7	21.2	21.3	21.9	22.6
12H	4H	21.4	22.2	22.0	22.7	23.4	19.0	19.8	19.7	20.4	21.1
	6H	23.5	24.2	24.2	24.8	25.5	20.3	21.0	21.0	21.6	22.3
	8H	24.8	25.4	25.5	26.1	26.8	21.0	21.6	21.7	22.2	23.0
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, 2174 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.7$)

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 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	55	42	34	54	41	34	52	40	33	26
0.80	65	51	43	64	51	42	61	49	42	33
1.00	74	60	51	72	59	51	69	60	50	41
1.25	81	68	59	79	67	58	75	64	57	47
1.50	87	74	65	84	73	64	80	70	62	52
2.00	95	83	75	92	81	73	86	78	71	59
2.50	99	89	81	96	87	79	90	82	76	63
3.00	103	94	86	100	91	84	94	87	81	68
4.00	108	100	93	105	97	91	98	92	87	73
5.00	112	104	98	108	101	96	100	95	91	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

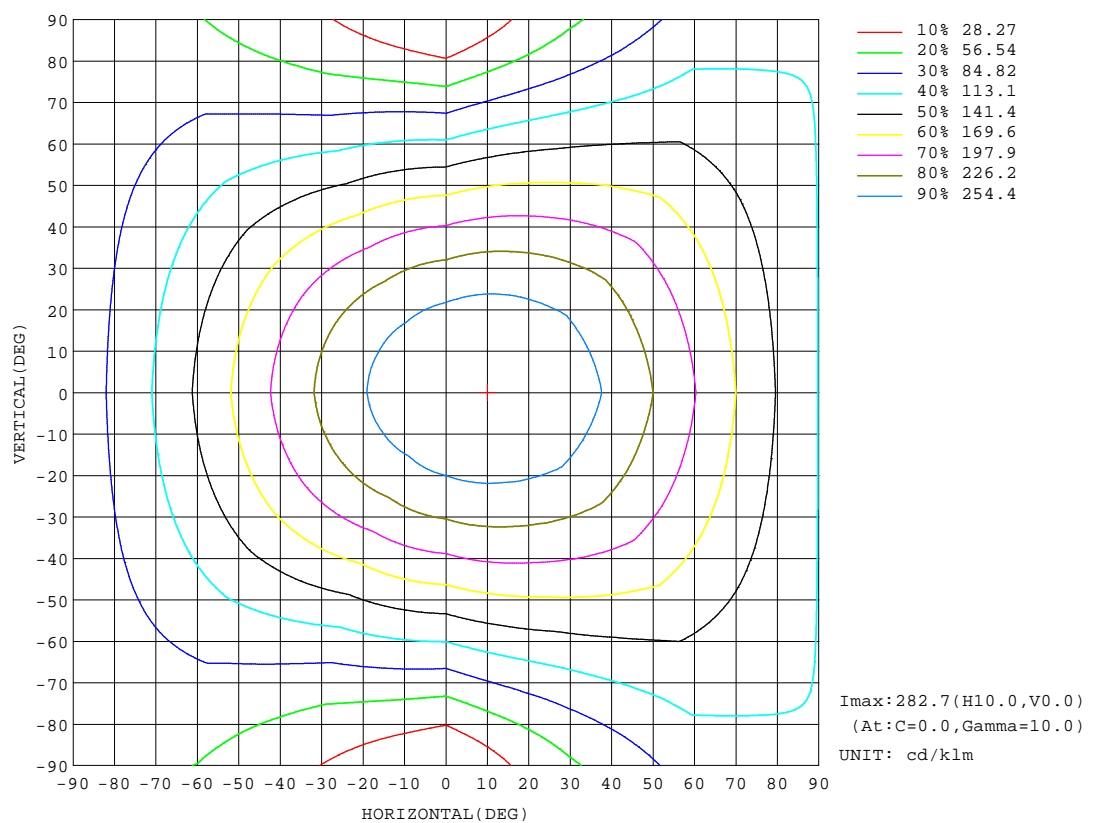
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.5lx1 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

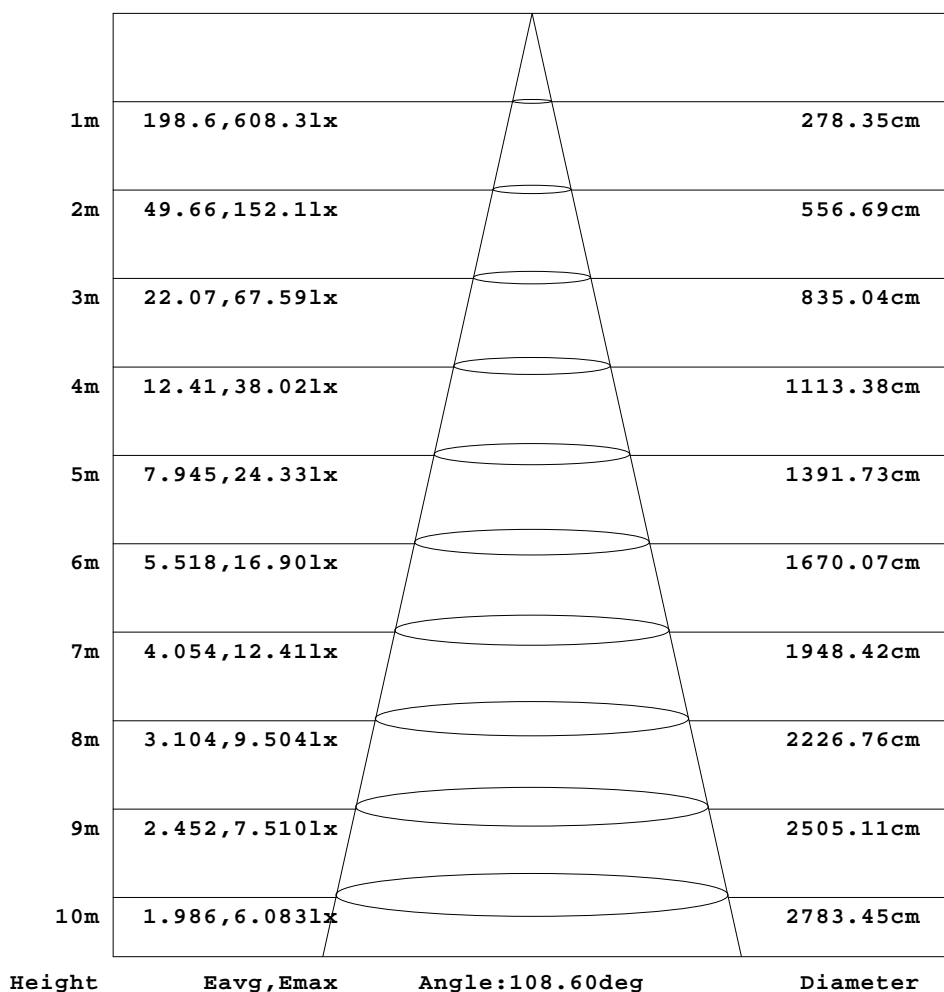
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1273 lm



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

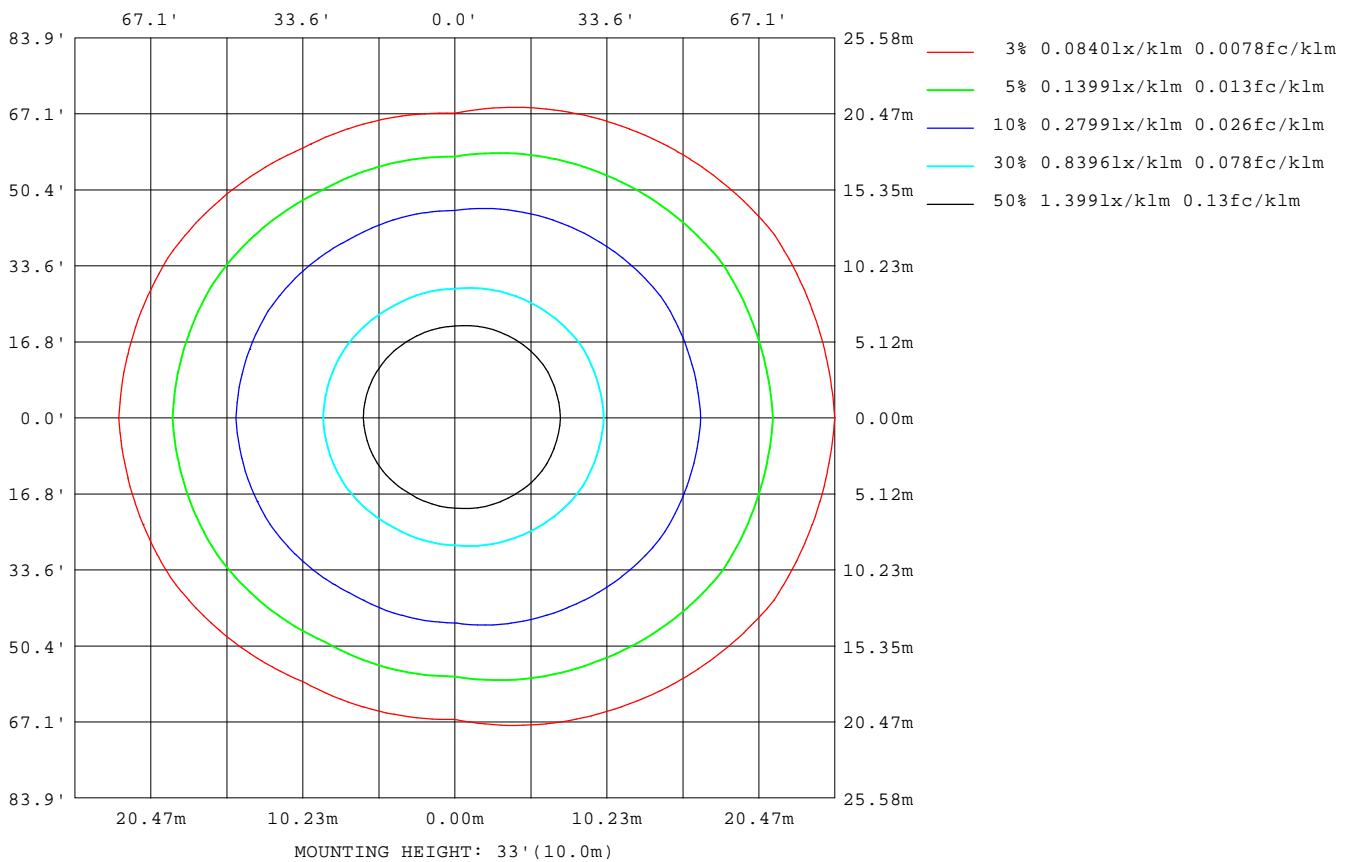
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-10-18

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.5lx1 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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

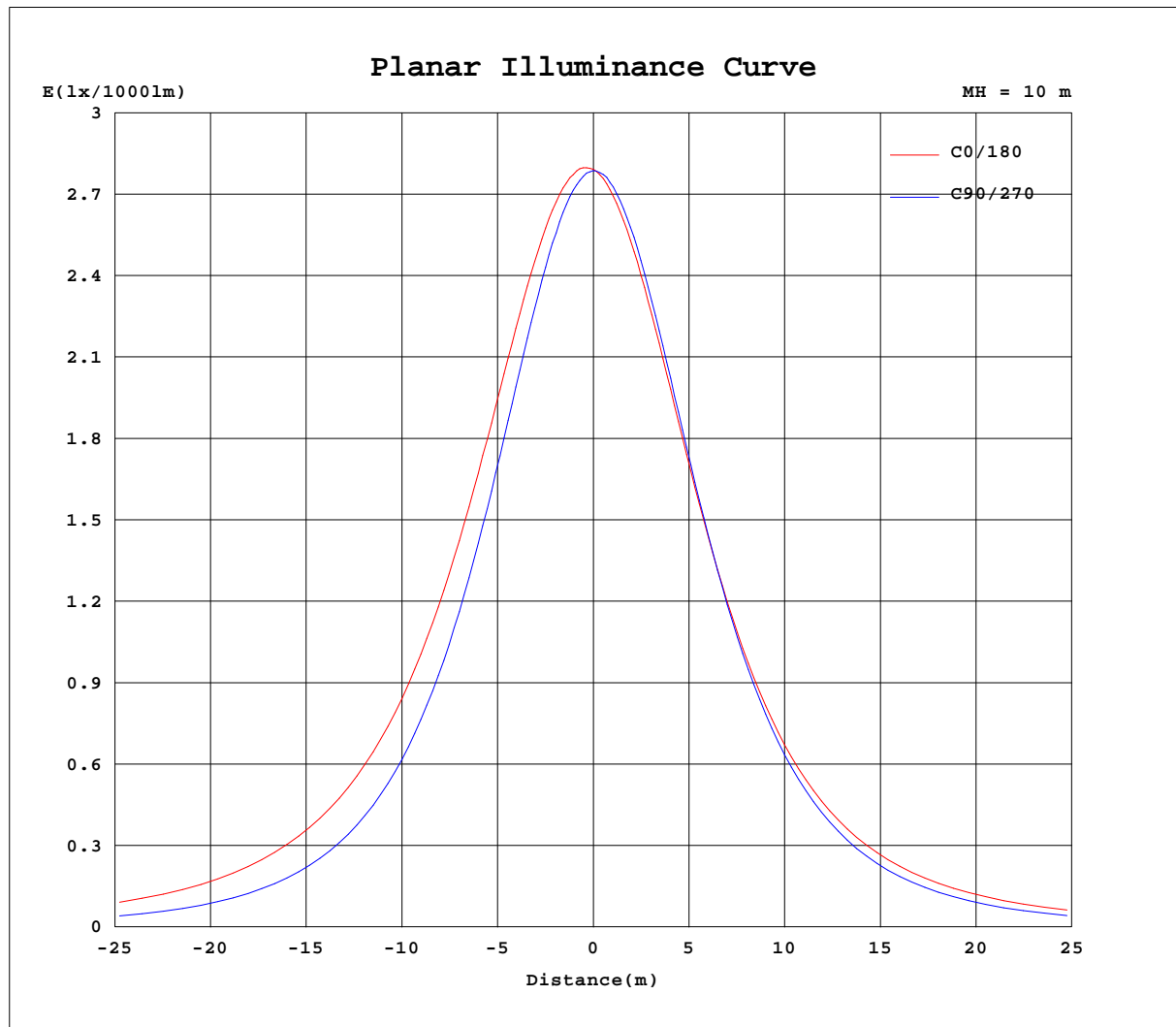
AvgL	cd/m2
L_0~180(65)av	2527
L_0~180(75)av	3374
L_0~180(85)av	7945
L_90~270(65)av	1503
L_90~270(75)av	1318
L_90~270(85)av	979
L_45(65)av	2088
L_45(75)av	2585
L_45(85)av	5606

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:120.22V I:0.1817A P:20.893W PF:0.9564 Freq:50.80Hz Lamp Flux:2173.51x1 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	279	279	279	279	279	279	279	279	279	279	279	279					
5	282	281	279	277	275	275	275	275	276	278	280	281					
10	283	280	276	272	269	269	269	269	271	274	278	282					
15	281	278	271	265	260	260	262	261	263	267	274	280					
20	279	274	264	254	249	251	252	252	253	258	268	276					
25	274	268	254	242	237	239	242	241	241	246	258	270					
30	267	260	243	228	222	226	231	229	227	232	247	262					
35	259	250	229	212	206	213	218	215	211	216	234	252					
40	250	239	214	194	189	198	205	201	195	199	219	241					
45	238	226	198	175	171	182	190	185	177	180	203	229					
50	226	213	181	155	152	166	175	169	158	160	186	215					
55	213	198	164	135	133	150	160	153	139	139	168	200					
60	199	184	146	114	114	134	145	137	120	117	150	185					
65	184	168	128	91.8	95.8	119	130	122	102	95.3	131	170					
70	170	153	111	70.2	78.5	104	116	107	83.7	73.1	113	154					
75	155	138	93.8	49.1	62.7	90.1	103	92.9	67.5	51.4	95.9	139					
80	140	124	78.4	29.2	48.9	77.6	89.5	80.1	53.1	30.6	79.3	124					
85	126	110	64.5	12.3	37.2	66.3	78.0	68.6	41.0	12.9	64.7	110					
90	112	97.2	52.6	1.72	27.8	56.1	67.4	58.1	31.0	1.70	51.9	96.6					
95	99.6	84.7	42.3	0.58	20.5	47.1	57.8	48.8	23.1	0.49	39.8	83.7					
100	87.7	73.7	33.8	0.75	15.1	39.2	49.2	40.5	17.2	0.67	31.3	72.3					
105	76.6	63.6	25.2	0.96	10.5	32.4	41.5	33.4	12.0	0.87	23.5	62.1					
110	66.4	54.1	20.8	1.14	8.18	25.5	34.5	26.5	9.36	1.04	19.5	52.1					
115	56.0	45.1	17.5	1.33	6.51	20.8	28.0	21.6	7.41	1.25	15.0	43.8					
120	47.9	38.3	13.9	1.53	5.34	17.1	23.0	17.5	5.96	1.45	12.9	37.1					
125	40.5	32.3	11.3	1.75	4.52	13.9	18.7	14.2	4.89	1.66	10.5	31.4					
130	34.0	25.7	8.78	1.95	3.94	11.2	15.1	11.4	4.15	1.84	8.73	25.6					
135	28.1	19.8	7.82	2.12	3.44	8.91	12.0	9.00	3.60	2.01	7.36	19.3					
140	23.2	15.5	6.79	2.27	3.02	7.09	9.34	7.10	3.13	2.18	6.38	14.5					
145	18.9	12.0	5.98	2.46	2.73	5.71	7.23	5.67	2.74	2.33	5.60	11.4					
150	15.3	9.00	5.34	2.62	2.78	4.59	5.59	4.51	2.70	2.51	4.86	9.01					
155	12.0	7.47	5.04	2.76	2.87	3.68	4.29	3.57	2.75	2.63	4.57	7.14					
160	9.47	6.03	4.31	2.89	2.96	3.11	3.27	3.04	2.85	2.77	4.21	5.67					
165	7.24	4.98	4.03	2.98	3.05	3.07	2.98	3.02	2.95	2.90	3.99	4.82					
170	3.89	4.06	3.38	3.04	3.11	3.09	3.03	3.09	3.07	3.00	3.29	4.16					
175	3.30	3.34	3.10	3.10	3.12	3.15	3.08	3.14	3.10	3.09	3.10	3.22					
180	3.11	3.11	3.13	3.13	3.13	3.12	3.11	3.11	3.13	3.13	3.14	3.12					

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	279.3	278.7	278.6	278.8	278.8	278.9	279.3	278.7	278.6	278.8
3.0	281.0	280.1	279.0	277.7	276.8	276.7	276.9	276.6	277.3	278.4
6.0	281.9	280.8	278.4	276.0	274.1	273.3	273.8	273.7	275.1	277.3
9.0	282.7	280.5	276.9	273.3	270.1	269.8	270.3	270.3	271.7	274.8
12.0	282.4	279.8	274.4	269.4	265.5	265.5	266.0	266.3	267.9	271.6
15.0	281.5	278.3	271.0	264.5	260.3	260.2	261.5	261.3	263.2	267.0
18.0	280.1	275.8	266.9	258.9	253.9	254.5	256.1	256.0	257.4	262.0
21.0	277.8	272.6	262.0	252.2	246.9	248.3	250.5	250.0	250.9	255.9
24.0	275.0	269.0	256.2	244.9	239.2	241.5	244.3	243.5	243.7	249.0
27.0	271.4	264.9	249.8	236.7	231.0	234.2	237.6	236.4	235.7	240.9
30.0	267.5	259.7	242.6	227.8	222.0	226.2	230.6	228.8	227.2	232.2
33.0	262.5	254.2	234.7	218.2	212.5	218.2	223.3	220.9	217.9	222.9
36.0	257.4	247.7	226.4	208.2	202.6	209.6	215.6	212.6	208.3	212.9
39.0	251.4	241.2	217.5	197.4	192.2	200.8	207.4	203.7	198.1	202.3
42.0	245.2	233.9	208.0	186.5	181.7	191.6	198.9	194.7	187.3	191.3
45.0	238.4	226.2	198.4	174.8	170.6	181.9	190.2	185.3	176.7	179.8
48.0	231.1	218.2	188.1	163.3	159.3	172.6	181.1	175.6	165.4	167.8
51.0	223.6	209.8	177.8	151.2	148.1	163.0	172.5	166.1	154.3	155.6
54.0	215.7	201.3	167.2	138.8	136.6	153.2	163.2	156.4	142.8	143.0
57.0	207.5	192.6	156.5	126.1	125.3	143.8	153.9	146.8	131.2	130.2
60.0	198.9	183.5	145.9	113.6	114.0	134.4	145.1	137.2	120.0	117.3
63.0	190.3	174.4	135.1	100.7	103.0	125.0	136.1	127.7	108.9	104.0
66.0	181.5	165.2	124.4	87.29	92.12	115.8	127.2	118.5	98.05	90.75
69.0	172.5	156.3	113.9	74.56	81.86	107.0	118.6	109.6	87.14	77.62
72.0	163.6	147.1	103.8	61.72	72.02	98.59	110.4	101.0	77.02	64.43
75.0	154.7	138.2	93.81	49.07	62.69	90.06	102.5	92.88	67.51	51.38
78.0	145.8	129.6	84.51	37.04	54.21	82.47	94.80	85.18	58.65	38.59
81.0	137.1	121.1	75.51	25.57	46.46	75.27	87.18	77.78	50.53	26.75
84.0	128.7	112.7	67.15	15.34	39.27	68.43	80.20	70.79	43.19	16.04
87.0	120.5	104.8	59.59	7.035	33.22	62.13	73.62	64.29	36.68	7.314
90.0	112.5	97.22	52.59	1.721	27.81	56.07	67.39	58.10	30.97	1.696
93.0	104.6	89.40	46.35	0.4777	23.19	50.49	61.48	52.34	25.97	0.4273
96.0	97.14	82.46	40.51	0.5873	19.30	45.39	55.96	47.08	21.74	0.5283
99.0	89.88	75.76	35.39	0.7191	16.06	40.64	50.79	41.97	18.22	0.6091
102.0	83.04	69.50	30.79	0.8497	12.91	36.32	45.96	37.50	14.88	0.7524
105.0	76.55	63.64	25.17	0.9609	10.48	32.37	41.49	33.45	11.98	0.8653
108.0	70.27	58.05	22.54	1.066	9.011	28.64	37.31	29.45	10.28	0.9845
111.0	64.47	51.70	20.17	1.172	7.812	24.25	32.82	25.35	8.922	1.086
114.0	57.84	46.50	18.29	1.285	6.834	21.58	29.12	22.47	7.757	1.212
117.0	52.78	42.30	16.05	1.404	5.968	19.21	25.91	19.87	6.781	1.331
120.0	47.90	38.32	13.90	1.530	5.336	17.06	22.99	17.55	5.958	1.453
123.0	43.41	34.65	12.19	1.665	4.812	15.12	20.37	15.49	5.275	1.578
126.0	39.11	31.24	10.86	1.786	4.390	13.33	17.95	13.62	4.713	1.692
129.0	35.23	27.34	9.132	1.907	4.037	11.70	15.80	11.91	4.276	1.805
132.0	31.67	23.11	8.513	2.021	3.732	10.23	13.83	10.37	3.914	1.913
135.0	28.09	19.84	7.820	2.123	3.439	8.908	12.00	9.004	3.603	2.014
138.0	25.06	17.18	7.175	2.207	3.183	7.761	10.34	7.793	3.316	2.116
141.0	22.29	14.68	6.598	2.299	2.950	6.784	8.879	6.793	3.048	2.209
144.0	19.73	12.57	6.114	2.424	2.768	5.951	7.599	5.924	2.809	2.303
147.0	17.38	10.83	5.690	2.539	2.743	5.235	6.521	5.169	2.676	2.433
150.0	15.28	9.000	5.344	2.621	2.779	4.595	5.591	4.507	2.700	2.513
153.0	13.38	8.093	5.115	2.702	2.820	4.013	4.777	3.922	2.718	2.587
156.0	11.12	7.132	4.986	2.792	2.888	3.513	4.056	3.409	2.763	2.659
159.0	10.00	6.293	4.385	2.864	2.945	3.135	3.444	3.060	2.823	2.740
162.0	8.727	5.416	4.179	2.929	2.999	3.082	3.041	3.016	2.885	2.820
165.0	7.241	4.976	4.034	2.984	3.048	3.074	2.977	3.020	2.950	2.896
168.0	4.610	4.307	3.840	3.006	3.075	3.067	2.988	3.066	3.018	2.956
171.0	3.728	3.945	3.362	3.050	3.124	3.095	3.038	3.103	3.080	3.019
174.0	3.340	3.319	3.124	3.087	3.117	3.135	3.071	3.140	3.090	3.072
177.0	3.102	3.109	3.111	3.117	3.136	3.125	3.096	3.125	3.119	3.112
180.0	3.109	3.111	3.127	3.133	3.135	3.116	3.112	3.112	3.127	3.133
G/C	300.0	330.0								
0.0	278.8	278.9								
3.0	279.7	280.6								
6.0	279.7	281.3								
9.0	278.8	281.4								
12.0	276.8	281.1								
15.0	274.0	279.7								
18.0	270.4	277.8								
21.0	265.9	274.9								
24.0	260.5	271.3								
27.0	254.1	267.0								
30.0	247.3	261.8								

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:

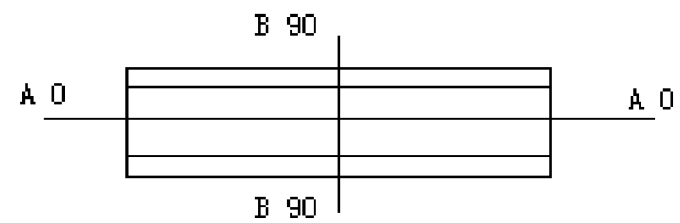
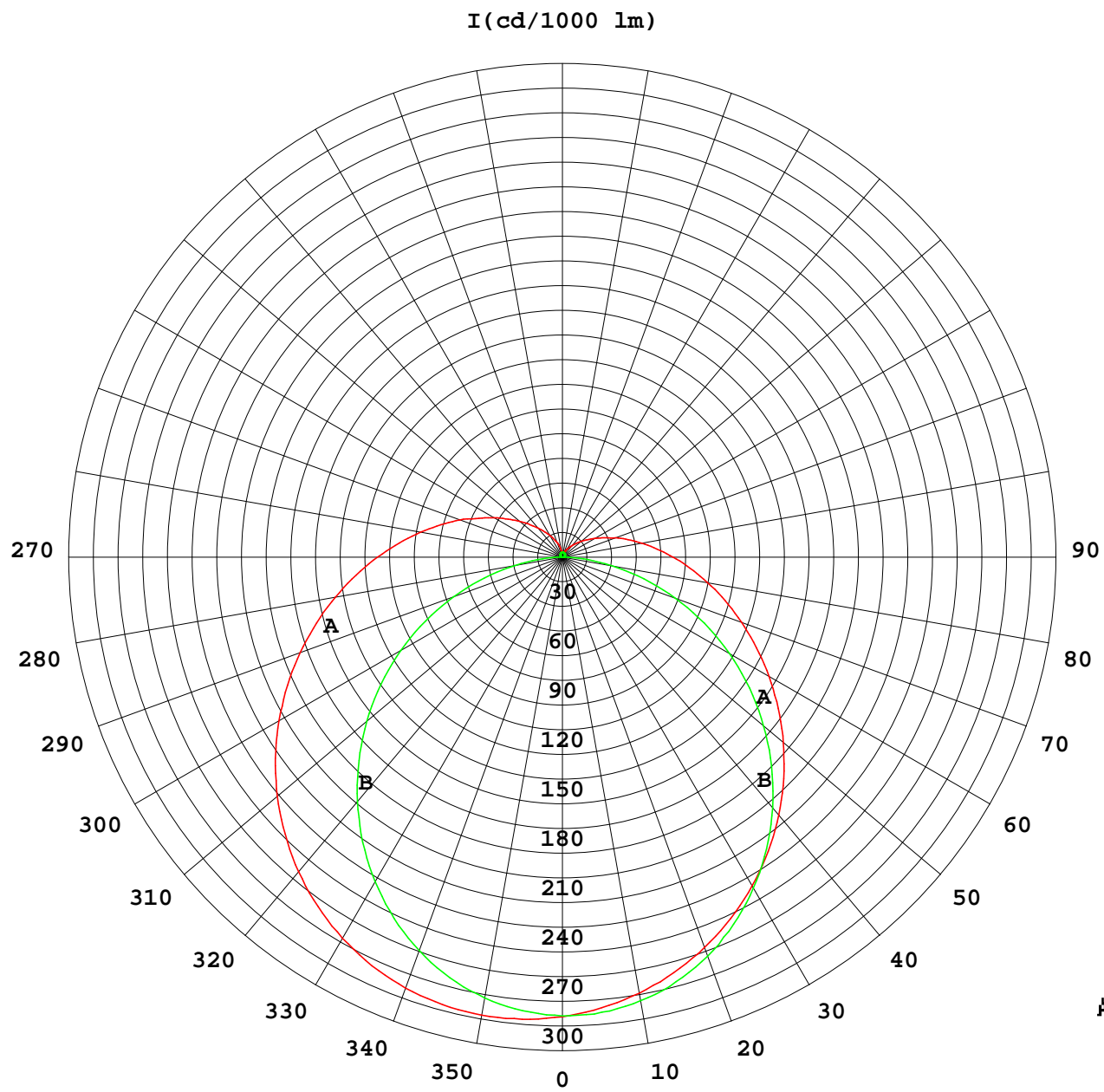
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	239.7	256.5
36.0	231.5	250.3
39.0	222.5	243.4
42.0	213.1	236.3
45.0	203.4	228.5
48.0	193.1	220.4
51.0	182.5	212.1
54.0	172.0	203.0
57.0	160.9	194.2
60.0	149.9	185.2
63.0	138.7	175.8
66.0	127.8	166.5
69.0	117.0	157.3
72.0	106.3	148.0
75.0	95.89	138.9
78.0	85.63	130.0
81.0	76.29	121.3
84.0	67.42	112.9
87.0	59.35	104.7
90.0	51.91	96.62
93.0	44.50	88.64
96.0	37.67	81.28
99.0	32.74	74.49
102.0	28.61	67.99
105.0	23.54	62.07
108.0	21.04	56.64
111.0	18.43	49.93
114.0	15.03	45.36
117.0	14.47	40.97
120.0	12.88	37.11
123.0	11.38	33.56
126.0	10.15	30.35
129.0	9.059	26.51
132.0	8.145	23.11
135.0	7.356	19.34
138.0	6.730	16.16
141.0	6.215	14.10
144.0	5.735	12.01
147.0	5.345	10.38
150.0	4.861	9.015
153.0	4.784	7.814
156.0	4.476	6.809
159.0	4.325	5.951
162.0	4.089	5.112
165.0	3.994	4.817
168.0	3.533	4.272
171.0	3.285	4.003
174.0	3.088	3.277
177.0	3.111	3.104
180.0	3.137	3.116

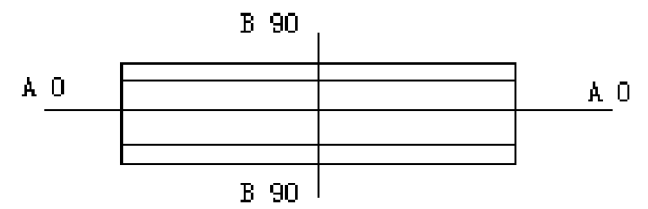
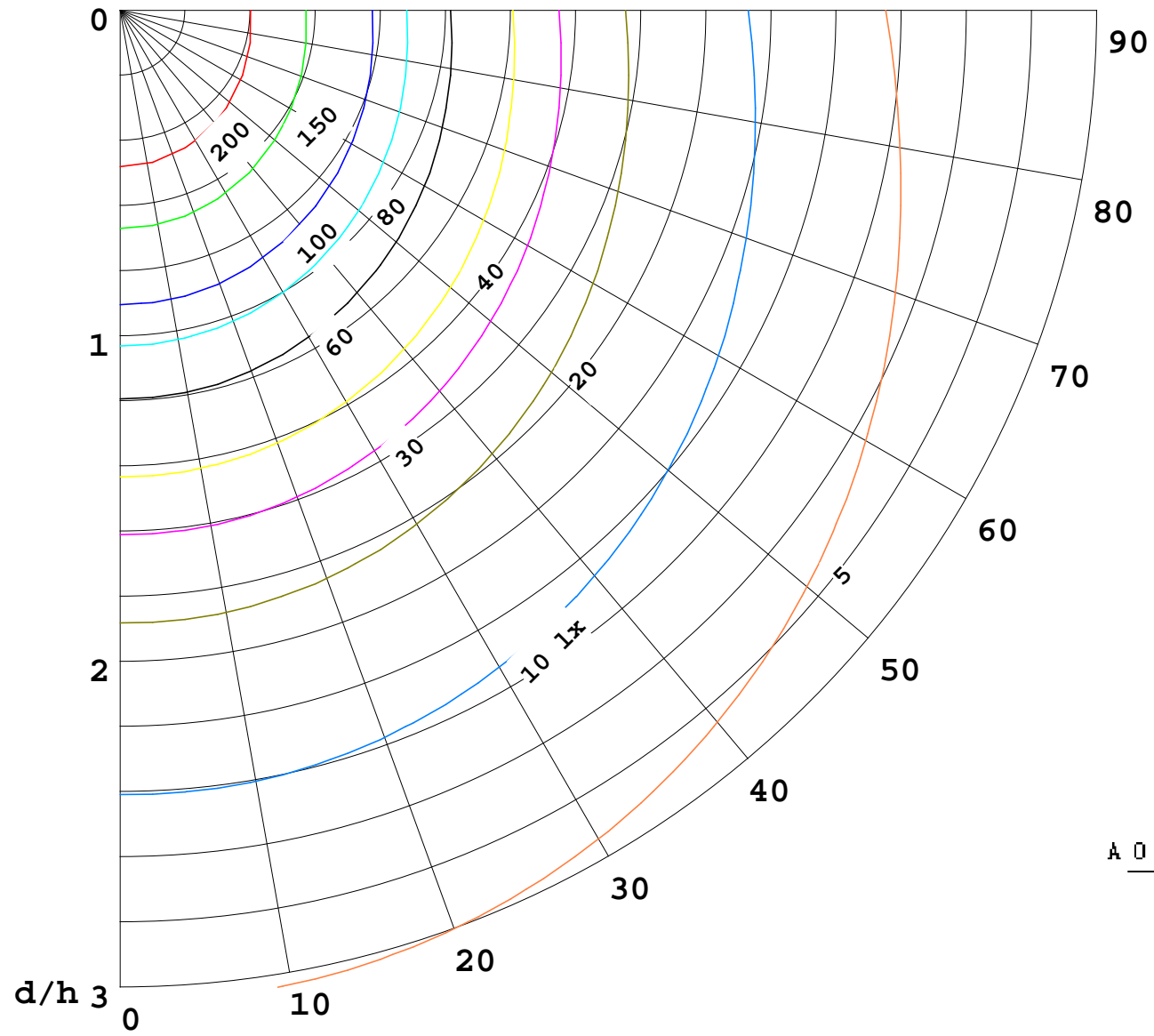
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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

