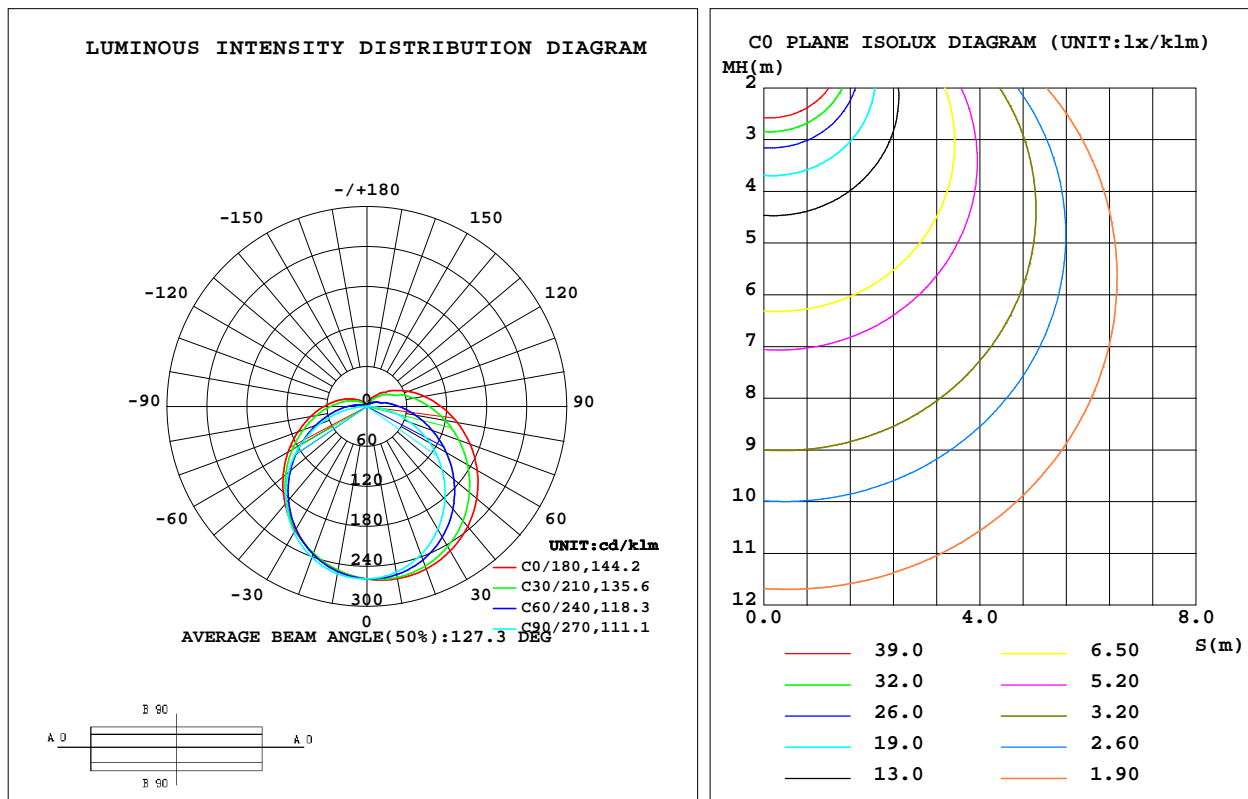


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1276A P:14.662W PF:0.9559 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: 131.61 lm/W			
MODEL		I _{max} (cd/klm)	262.6	S/MH(C0/180)	1.24
NOMINAL POWER(W)	15	LOR(%)	104.6	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1046.0	h UP,DN(C0-180)	7.4,46.2
NOMINAL FLUX(lm)	1844.86	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	6.2,44.9
LAMPS INSIDE	1	h up(%)	13.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	91.0	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	262.6	258.4	252.5	249.5	249.7	250.8	254.7	260.6	0- 10	24.52	24.52	2.34,2.45
20	259.5	250.2	236.7	232.6	234.9	235.4	241.1	254.2	10- 20	70.57	95.09	9.09,9.51
30	250.3	234.5	212.8	209.6	215.1	213.1	218.6	240.0	20- 30	108.1	203.2	19.4,20.3
40	235.2	212.5	182.2	181.7	191.2	185.7	188.8	218.9	30- 40	133.1	336.3	32.2,33.6
50	215.2	185.7	147.2	151.1	164.5	154.8	153.9	192.8	40- 50	143.3	479.6	45.9,48
60	191.0	155.8	108.7	119.5	136.8	122.6	115.0	163.0	50- 60	139.0	618.6	59.1,61.9
70	164.6	125.2	68.88	89.20	109.7	91.26	74.07	132.0	60- 70	122.4	741.0	70.8,74.1
80	137.4	96.22	30.18	63.21	85.43	64.05	33.28	102.2	70- 80	97.88	838.9	80.2,83.9
90	111.5	71.02	2.471	42.69	64.74	42.61	3.102	76.22	80- 90	71.33	910.2	87.91
100	87.91	51.57	0.7181	27.96	47.57	27.22	0.5617	55.17	90-100	49.79	960.0	91.8,96
110	67.21	34.33	1.106	17.57	33.77	16.71	0.9415	39.09	100-110	34.12	994.1	95.99.4
120	48.60	24.84	1.478	11.23	22.30	10.61	1.323	27.18	110-120	22.04	1016	97.1,102
130	33.55	17.15	1.795	7.316	14.34	6.812	1.667	18.91	120-130	13.95	1030	98.5,103
140	22.27	10.98	2.091	4.649	8.599	4.358	1.969	11.99	130-140	8.050	1038	99.3,104
150	15.17	7.259	2.345	3.247	4.928	3.113	2.244	7.687	140-150	4.316	1042	99.7,104
160	9.393	5.130	2.564	2.675	2.667	2.619	2.444	5.268	150-160	2.209	1045	99.9,104
170	3.839	3.789	2.708	2.779	2.516	2.596	2.474	3.522	160-170	1.020	1046	100,105
180	2.757	2.762	2.765	2.746	2.752	2.760	2.765	2.751	170-180	0.2769	1046	100,105
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

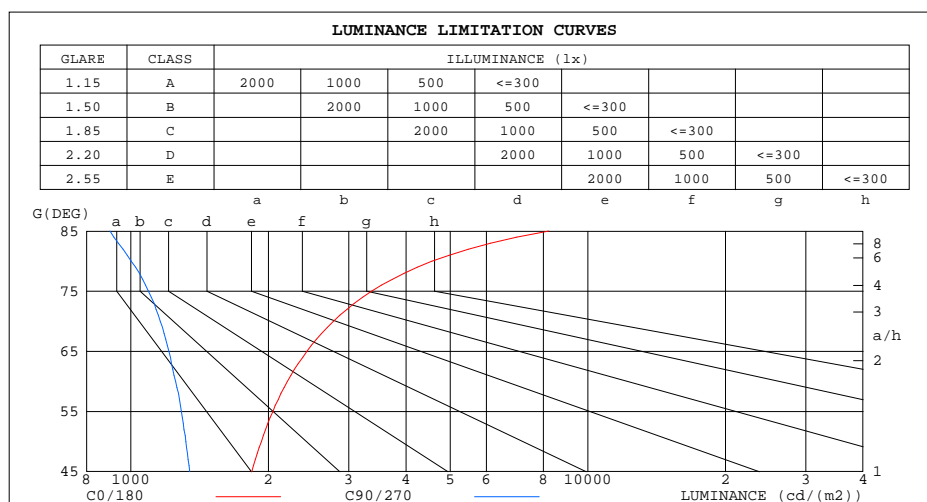
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1276A P:14.662W PF:0.9559 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

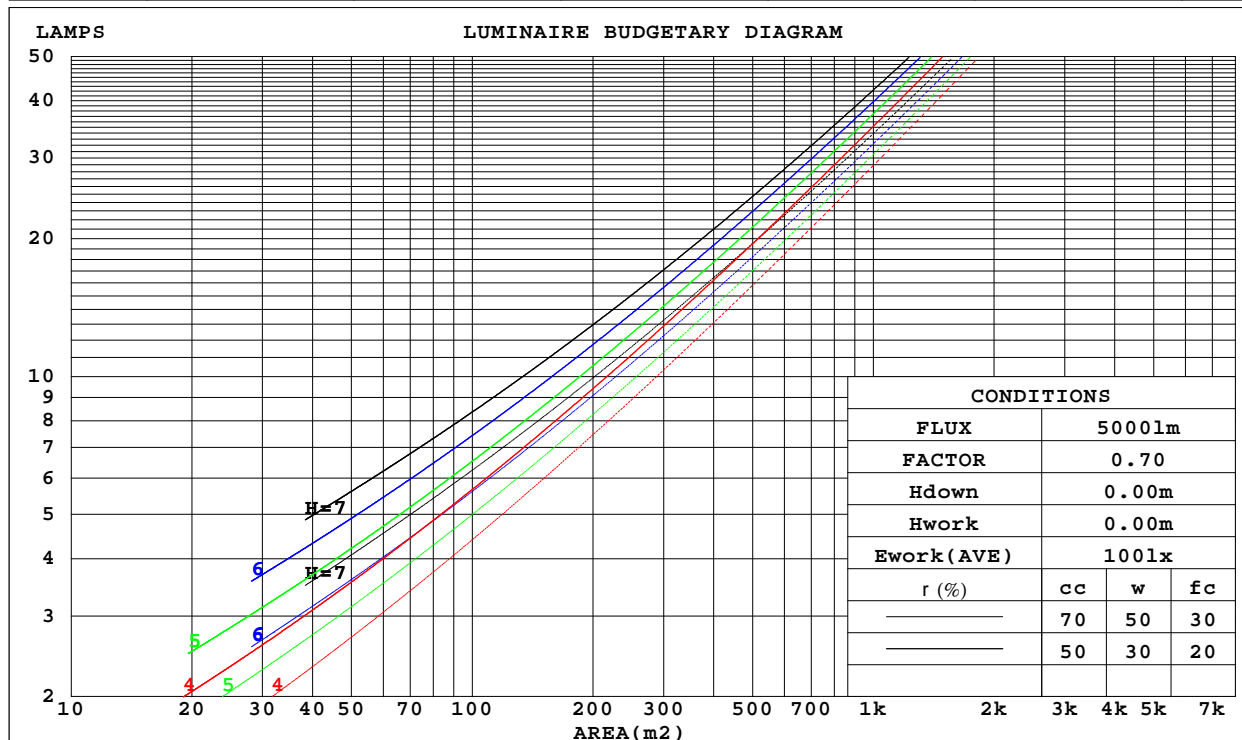
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1276A P:14.662W PF:0.9559 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															



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:0.1276A P:14.662W PF:0.9559 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	.394	.224	.071	.382	.218	.069	.360	.207	.066	.340	.196	.063	.322	.186	.060	
2.0	.344	.189	.058	.334	.184	.057	.314	.175	.054	.296	.166	.052	.279	.158	.050	
3.0	.307	.164	.049	.298	.159	.048	.280	.152	.046	.264	.144	.044	.248	.137	.043	
4.0	.277	.144	.042	.269	.141	.042	.253	.134	.040	.238	.128	.039	.224	.122	.037	
5.0	.253	.129	.037	.245	.126	.037	.230	.120	.035	.217	.114	.034	.204	.109	.033	
6.0	.232	.116	.033	.225	.114	.033	.212	.108	.032	.199	.104	.030	.188	.099	.029	
7.0	.214	.106	.030	.208	.103	.029	.196	.099	.028	.184	.095	.028	.174	.090	.027	
8.0	.199	.097	.027	.193	.095	.027	.182	.091	.026	.172	.087	.025	.162	.083	.024	
9.0	.185	.090	.025	.180	.088	.025	.170	.084	.024	.160	.080	.023	.152	.077	.022	
10.0	.174	.083	.023	.169	.081	.023	.159	.078	.022	.151	.075	.021	.142	.072	.021	

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	.303	.303	.303	.259	.259	.259	.177	.177	.177	.101	.101	.101	.032	.032	.032	
1.0	.298	.267	.239	.255	.229	.206	.174	.158	.142	.100	.091	.083	.032	.029	.027	
2.0	.290	.243	.203	.249	.209	.175	.170	.145	.122	.098	.084	.072	.032	.027	.023	
3.0	.282	.225	.180	.242	.194	.156	.166	.135	.109	.096	.079	.064	.031	.026	.021	
4.0	.274	.212	.165	.235	.183	.143	.162	.128	.101	.094	.075	.060	.030	.024	.020	
5.0	.266	.202	.154	.229	.174	.134	.157	.122	.095	.091	.072	.056	.029	.023	.018	
6.0	.258	.193	.146	.222	.167	.128	.153	.117	.090	.089	.069	.054	.029	.023	.018	
7.0	.251	.186	.141	.216	.161	.123	.149	.113	.087	.087	.067	.052	.028	.022	.017	
8.0	.244	.180	.137	.210	.156	.119	.145	.110	.085	.085	.065	.050	.027	.021	.017	
9.0	.237	.175	.133	.204	.152	.116	.142	.107	.083	.083	.063	.049	.027	.021	.016	
10.0	.231	.171	.131	.199	.148	.114	.138	.104	.081	.081	.062	.048	.026	.020	.016	

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:0.1276A P:14.662W PF:0.9559 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	16.7	15.7	17.1	17.5	13.1	14.5	13.5	14.9	15.4	
	3H	17.8	19.2	18.3	19.6	20.1	14.6	16.0	15.1	16.4	16.9
	4H	19.3	20.5	19.8	21.0	21.5	15.3	16.6	15.8	17.0	17.6
	6H	20.9	22.0	21.4	22.5	23.1	15.8	17.0	16.3	17.5	18.1
	8H	21.7	22.9	22.3	23.4	24.0	16.0	17.1	16.5	17.6	18.2
	12H	22.7	23.8	23.3	24.4	24.9	16.1	17.2	16.6	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	18.7	19.8	19.2	20.3	20.9	16.1	17.2	16.6	17.7	18.3
	4H	20.3	21.3	20.8	21.8	22.5	16.9	17.9	17.5	18.5	19.1
	6H	22.1	23.0	22.7	23.6	24.2	17.6	18.5	18.2	19.1	19.8
	8H	23.1	23.9	23.7	24.5	25.2	17.9	18.8	18.5	19.3	20.0
	12H	24.2	25.0	24.8	25.6	26.3	18.1	18.9	18.7	19.5	20.2
8H	4H	20.6	21.5	21.2	22.1	22.7	17.9	18.8	18.5	19.4	20.0
	6H	22.7	23.4	23.4	24.1	24.8	19.0	19.7	19.7	20.4	21.1
	8H	23.9	24.6	24.6	25.2	25.9	19.5	20.2	20.2	20.8	21.5
	12H	25.3	25.9	26.0	26.6	27.3	19.9	20.5	20.6	21.1	21.9
12H	4H	20.6	21.4	21.3	22.0	22.7	18.3	19.1	18.9	19.7	20.3
	6H	22.8	23.5	23.5	24.1	24.9	19.6	20.2	20.2	20.8	21.6
	8H	24.2	24.7	24.8	25.4	26.1	20.2	20.8	20.9	21.4	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:0.1276A P:14.662W PF:0.9559 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	52	39	32	51	39	32	49	38	31	24
0.80	62	49	40	60	48	40	58	47	39	31
1.00	70	57	48	68	56	48	65	57	47	38
1.25	77	65	56	75	63	55	71	61	54	44
1.50	83	70	62	80	69	61	76	66	59	49
2.00	90	79	71	87	77	69	82	74	67	56
2.50	95	84	76	92	82	75	86	78	72	60
3.00	99	89	82	95	87	80	89	82	76	64
4.00	103	95	89	100	93	87	93	87	82	69
5.00	106	100	94	103	96	91	96	91	86	72
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

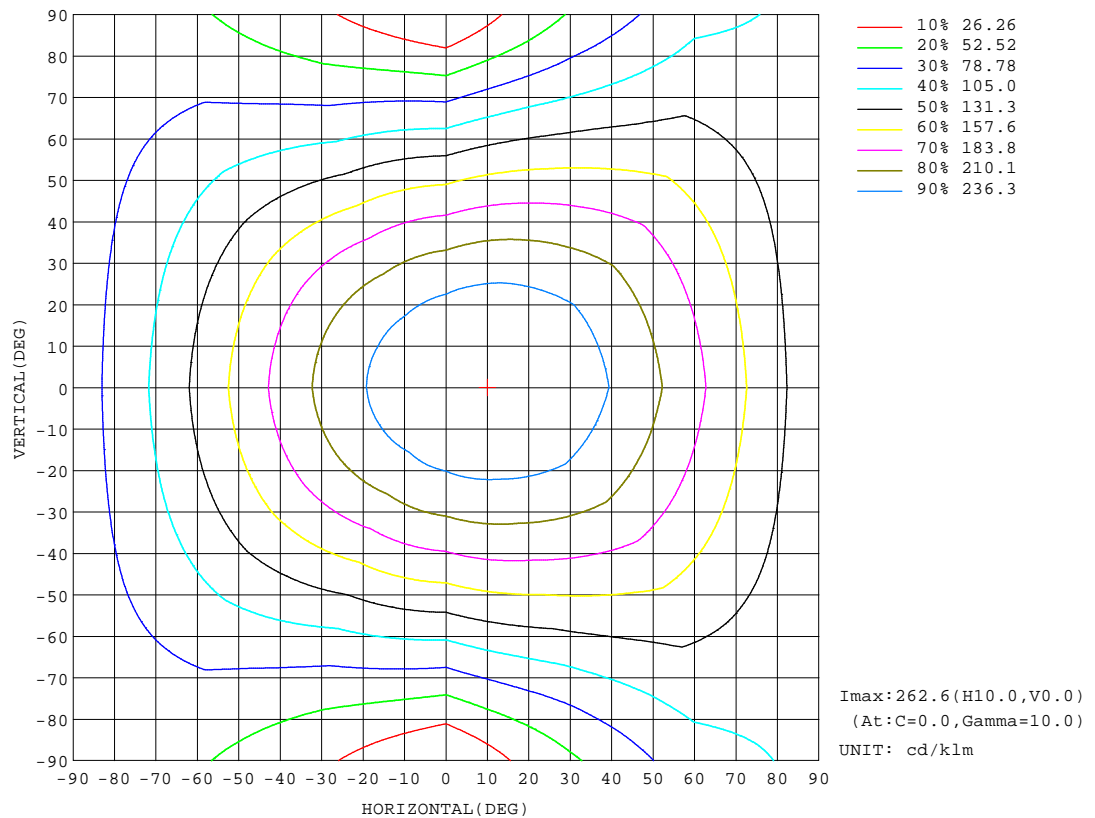
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1276A P:14.662W PF:0.9559 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

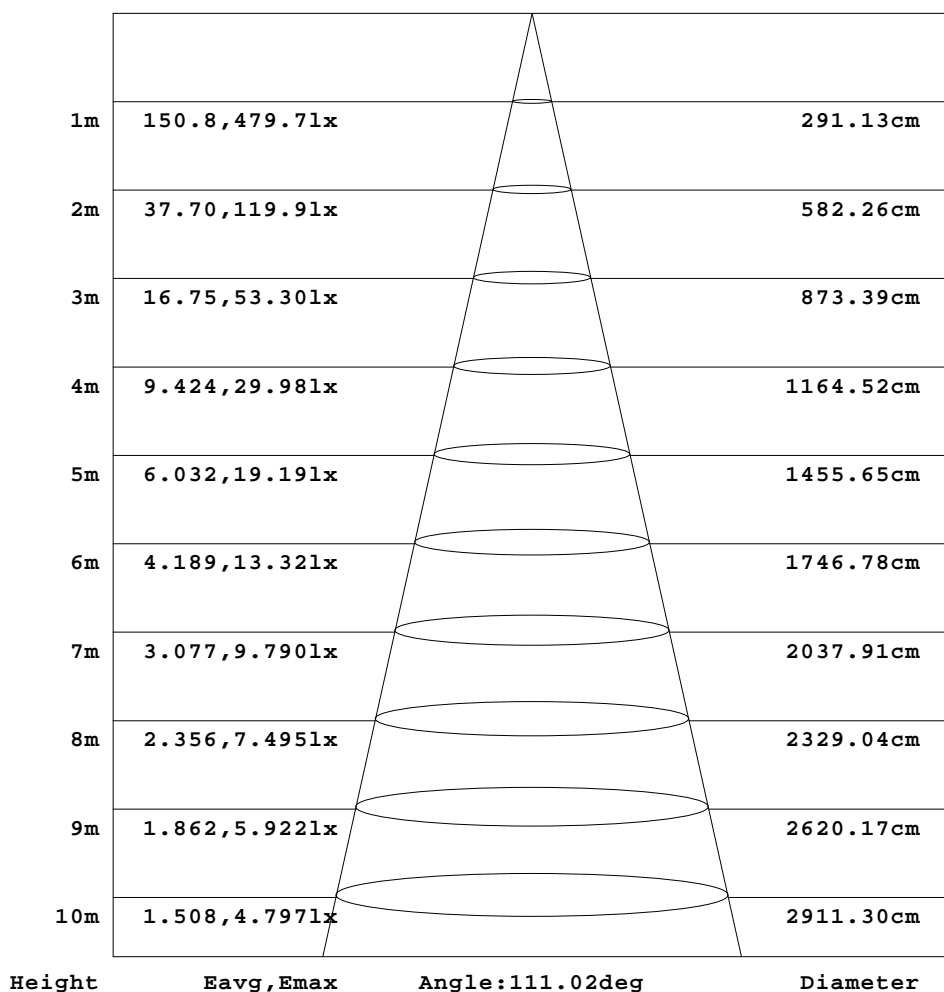
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1276A P:14.662W PF:0.9559 Freq:50.80Hz Lamp Flux:1844.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1041 lm



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

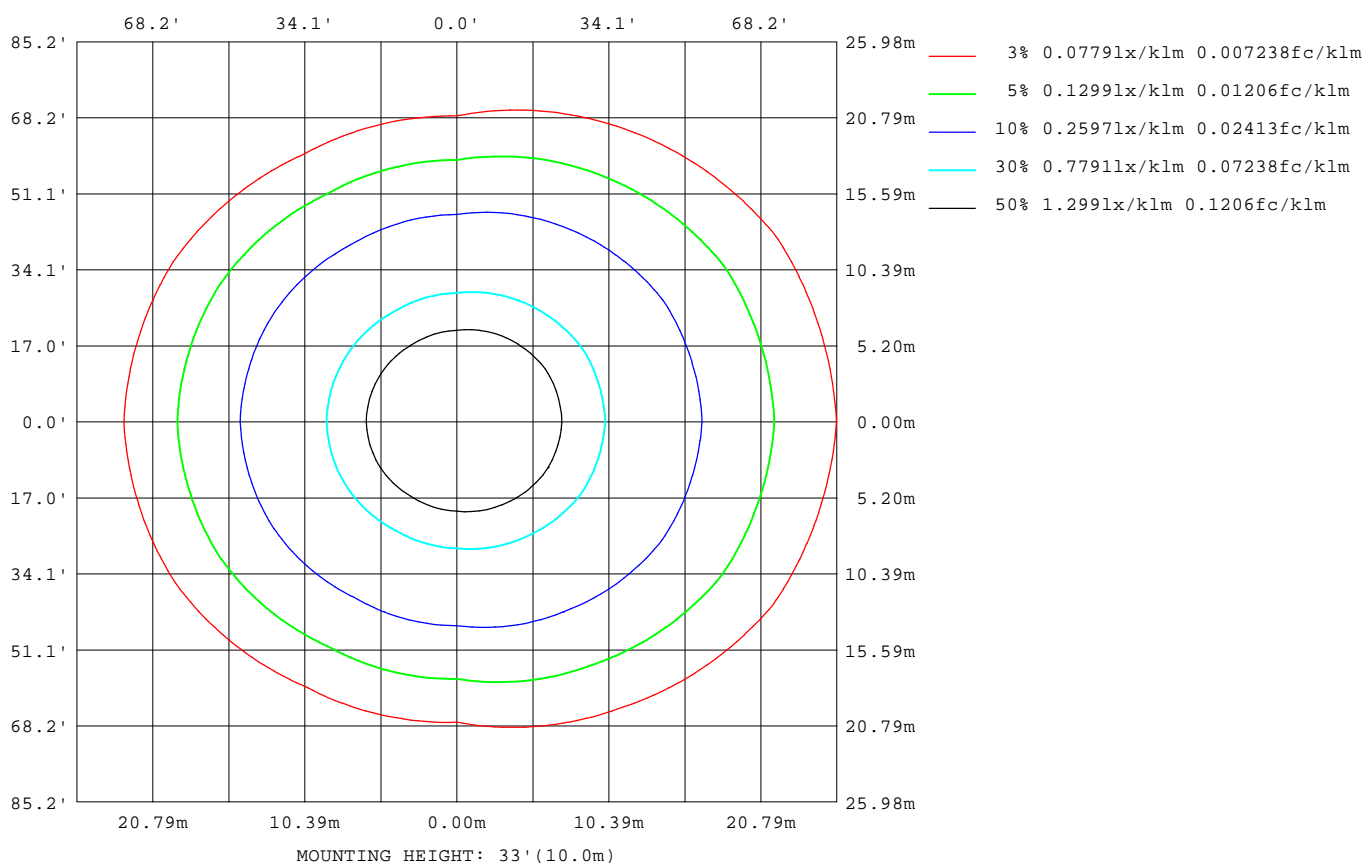
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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:0.1276A P:14.662W PF:0.9559 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:0.1276A P:14.662W PF:0.9559 Freq:50.80Hz Lamp Flux:1844.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

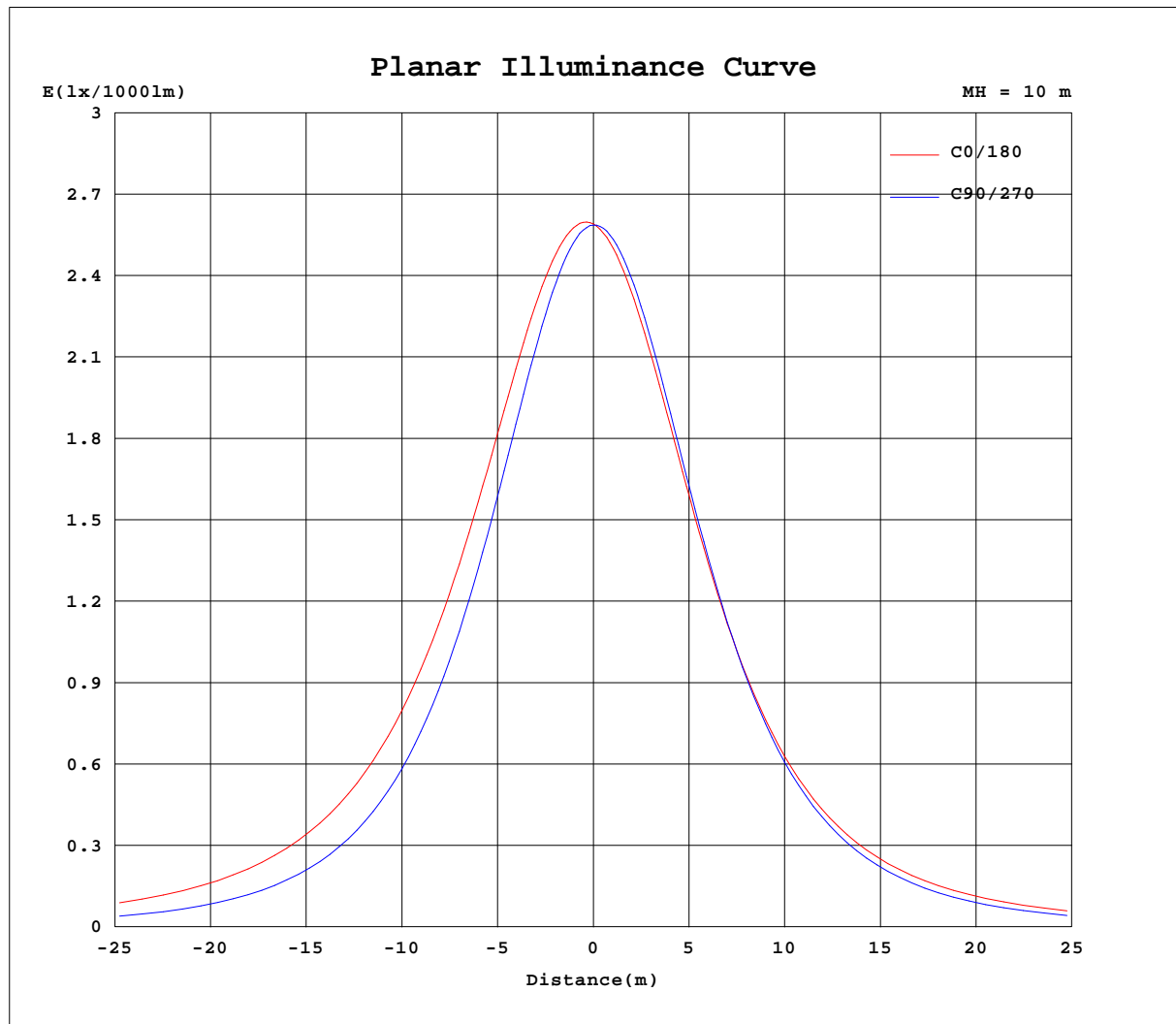
AvgL	cd/m2
L_0~180(65)av	2053
L_0~180(75)av	2763
L_0~180(85)av	6577
L_90~270(65)av	1252
L_90~270(75)av	1142
L_90~270(85)av	966
L_45(65)av	1707
L_45(75)av	2134
L_45(85)av	4668

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:0.1276A P:14.662W PF:0.9559 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	259	259	259	259	259	259	259	259	259	259	259	259					
5	262	261	259	257	255	255	255	255	256	258	260	262					
10	263	260	256	252	250	249	250	250	252	255	259	262					
15	262	259	252	246	242	242	243	243	245	249	256	261					
20	260	255	245	237	232	233	235	235	236	241	250	258					
25	256	250	237	226	221	223	226	225	225	231	243	253					
30	250	243	226	213	208	212	215	214	213	219	233	247					
35	243	234	214	198	193	199	204	201	199	205	222	238					
40	235	224	201	182	178	186	191	188	184	189	209	229					
45	226	213	186	165	162	172	178	174	167	172	195	218					
50	215	201	171	147	145	157	164	159	150	154	179	206					
55	203	188	154	128	128	143	151	145	133	135	163	193					
60	191	174	137	109	111	128	137	130	115	115	146	180					
65	178	160	121	88.8	94.3	114	123	115	97.6	94.7	129	166					
70	165	146	104	68.9	78.5	99.9	110	101	81.1	74.1	113	151					
75	151	133	88.0	49.1	63.9	87.3	97.1	88.5	65.6	53.4	95.9	137					
80	137	119	73.3	30.2	50.7	75.7	85.4	76.5	51.6	33.3	80.7	124					
85	124	106	60.0	13.6	39.3	65.0	74.6	65.6	39.6	15.6	66.9	110					
90	112	93.7	48.3	2.47	30.0	55.4	64.7	55.6	29.6	3.10	54.6	97.8					
95	99.4	82.4	38.9	0.52	22.5	46.8	55.7	46.5	21.7	0.39	43.9	86.0					
100	87.9	71.9	31.2	0.72	16.8	39.2	47.6	38.7	15.8	0.56	35.2	75.1					
105	77.1	62.4	22.1	0.92	11.6	32.5	40.3	31.9	10.7	0.76	27.1	65.1					
110	67.2	49.8	18.9	1.11	8.89	26.3	33.8	25.4	8.07	0.94	22.4	55.8					
115	57.0	42.8	16.2	1.29	6.89	20.8	27.3	20.4	6.20	1.14	18.6	46.3					
120	48.6	36.4	13.2	1.48	5.43	17.0	22.3	16.4	4.86	1.32	15.1	39.3					
125	41.4	31.5	10.9	1.65	4.49	13.7	18.0	13.0	3.99	1.50	12.5	33.3					
130	33.6	25.2	9.10	1.79	3.78	10.9	14.3	10.2	3.40	1.67	10.2	27.7					
135	28.9	19.7	7.66	1.95	3.17	8.48	11.2	7.95	2.89	1.83	8.45	21.3					
140	22.3	15.5	6.42	2.09	2.70	6.60	8.60	6.22	2.50	1.97	7.31	16.7					
145	18.4	12.0	5.84	2.22	2.45	5.19	6.55	4.89	2.35	2.11	6.28	12.8					
150	15.2	9.38	5.13	2.35	2.47	4.03	4.93	3.83	2.40	2.24	5.47	9.90					
155	11.9	6.98	4.79	2.47	2.57	3.11	3.63	2.99	2.49	2.36	4.90	7.75					
160	9.39	5.85	4.41	2.56	2.66	2.69	2.67	2.69	2.55	2.44	4.45	6.08					
165	6.80	4.84	4.19	2.65	2.74	2.70	2.47	2.62	2.54	2.44	3.98	4.67					
170	3.84	4.15	3.43	2.71	2.83	2.73	2.52	2.61	2.58	2.47	3.06	3.98					
175	3.15	3.23	2.84	2.73	2.77	2.80	2.60	2.69	2.60	2.58	2.64	2.82					
180	2.76	2.76	2.76	2.76	2.76	2.73	2.75	2.76	2.76	2.76	2.77	2.73					

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	259.1	258.8	258.5	258.7	258.7	259.3	259.1	258.8	258.5	258.7
3.0	260.8	260.0	259.0	257.9	257.0	257.0	256.7	256.8	257.3	258.6
6.0	261.9	260.6	258.4	256.2	254.4	254.0	254.3	254.3	255.4	257.6
9.0	262.4	260.6	256.9	253.6	250.8	250.6	251.0	251.1	252.7	255.6
12.0	262.4	259.9	254.8	250.0	246.7	246.7	247.2	247.4	249.1	252.8
15.0	261.9	258.8	251.9	245.7	241.8	242.0	243.0	243.1	244.9	249.2
18.0	260.7	256.8	248.2	240.6	236.1	236.9	238.3	238.2	239.8	244.6
21.0	258.9	254.0	243.7	234.7	229.9	231.2	233.1	232.7	234.0	239.3
24.0	256.5	250.9	238.5	228.2	223.1	225.2	227.7	226.9	227.6	233.3
27.0	253.6	247.0	232.8	220.7	215.6	218.6	221.6	220.4	220.5	226.3
30.0	250.3	242.7	226.3	212.8	207.6	211.6	215.1	213.6	212.7	218.6
33.0	246.4	237.7	219.3	204.2	199.2	204.3	208.4	206.3	204.6	210.5
36.0	241.9	232.2	211.7	195.1	190.2	196.4	201.2	198.7	195.8	201.6
39.0	236.9	226.1	203.6	185.6	180.9	188.4	193.8	190.7	186.7	192.1
42.0	231.6	219.9	195.1	175.6	171.4	180.1	186.0	182.5	177.1	182.3
45.0	225.8	213.1	186.1	165.2	161.6	171.6	178.2	173.9	167.2	172.0
48.0	219.5	205.8	176.8	154.5	151.6	162.9	169.9	165.2	157.0	161.1
51.0	212.7	198.2	167.2	143.5	141.3	154.2	161.8	156.4	146.8	150.1
54.0	205.8	190.5	157.5	132.2	131.1	145.5	153.4	147.5	136.4	138.7
57.0	198.6	182.5	147.5	120.7	120.9	136.8	145.0	138.6	125.8	126.9
60.0	191.0	174.3	137.4	108.7	110.8	128.1	136.8	129.7	115.4	115.0
63.0	183.2	166.0	127.3	96.73	100.8	119.5	128.5	121.0	104.4	102.9
66.0	175.2	157.6	117.1	84.78	91.01	111.1	120.4	112.4	94.22	90.45
69.0	167.4	149.4	107.3	72.93	81.63	102.6	112.5	104.2	84.37	78.25
72.0	159.1	141.0	97.51	60.89	72.46	94.74	104.4	96.17	74.72	65.72
75.0	151.0	132.6	87.99	49.08	63.87	87.26	97.05	88.49	65.58	53.44
78.0	142.9	124.6	79.08	37.67	55.90	80.29	89.98	81.24	56.97	41.12
81.0	134.8	116.6	70.57	26.68	48.15	73.54	83.23	74.33	49.04	29.54
84.0	126.8	108.5	62.54	16.65	41.44	67.10	76.76	67.71	41.78	18.80
87.0	119.1	100.9	55.27	8.334	35.39	61.14	70.60	61.45	35.32	9.702
90.0	111.5	93.71	48.32	2.471	29.97	55.42	64.74	55.61	29.60	3.102
93.0	104.1	86.81	42.47	0.5162	25.24	50.08	59.20	50.01	24.56	0.4453
96.0	97.04	80.22	37.26	0.5662	21.21	45.17	54.02	44.83	20.34	0.4119
99.0	90.11	73.88	32.64	0.6801	17.76	40.58	49.11	40.14	16.81	0.5181
102.0	83.46	67.95	28.56	0.8036	14.88	36.39	44.54	35.83	13.81	0.6472
105.0	77.10	62.42	22.11	0.9194	11.55	32.55	40.27	31.94	10.71	0.7574
108.0	71.08	56.69	20.02	1.030	9.873	28.96	36.28	28.29	9.010	0.8618
111.0	65.29	46.91	18.21	1.151	8.434	24.67	32.36	24.10	7.639	0.9833
114.0	58.89	43.31	16.92	1.257	7.281	21.58	28.37	21.24	6.530	1.101
117.0	53.73	40.13	14.86	1.364	6.195	19.24	25.21	18.69	5.595	1.211
120.0	48.60	36.44	13.24	1.478	5.426	17.02	22.30	16.37	4.857	1.323
123.0	44.08	33.51	11.75	1.580	4.840	14.97	19.65	14.29	4.294	1.433
126.0	39.61	30.61	10.52	1.677	4.329	13.08	17.22	12.44	3.859	1.536
129.0	33.99	26.74	9.437	1.772	3.900	11.39	15.05	10.76	3.500	1.635
132.0	31.87	22.27	8.475	1.865	3.533	9.867	13.06	9.254	3.189	1.733
135.0	28.92	19.71	7.661	1.954	3.172	8.475	11.22	7.950	2.891	1.828
138.0	24.43	17.15	6.708	2.038	2.865	7.289	9.571	6.846	2.637	1.918
141.0	21.46	14.71	6.422	2.116	2.627	6.296	8.152	5.927	2.438	1.999
144.0	19.39	12.59	5.987	2.195	2.458	5.439	6.918	5.122	2.353	2.083
147.0	16.78	10.83	5.581	2.268	2.451	4.692	5.857	4.423	2.360	2.170
150.0	15.17	9.384	5.135	2.345	2.467	4.028	4.928	3.830	2.397	2.244
153.0	13.33	8.128	4.839	2.421	2.523	3.439	4.100	3.302	2.450	2.316
156.0	11.14	6.772	4.757	2.493	2.592	2.950	3.404	2.855	2.501	2.385
159.0	9.805	5.996	4.454	2.548	2.643	2.702	2.824	2.718	2.548	2.436
162.0	8.808	5.370	4.313	2.598	2.685	2.678	2.536	2.645	2.550	2.446
165.0	6.797	4.837	4.191	2.647	2.742	2.698	2.472	2.617	2.540	2.440
168.0	4.399	4.408	3.957	2.689	2.791	2.717	2.482	2.588	2.541	2.440
171.0	3.661	4.052	3.296	2.719	2.841	2.738	2.531	2.628	2.575	2.493
174.0	3.342	3.358	2.982	2.734	2.771	2.784	2.579	2.692	2.585	2.556
177.0	2.741	2.765	2.740	2.744	2.769	2.727	2.684	2.721	2.699	2.683
180.0	2.757	2.761	2.763	2.765	2.763	2.729	2.752	2.759	2.761	2.765
G/C	300.0	330.0								
0.0	258.7	259.3								
3.0	259.8	260.9								
6.0	260.0	261.9								
9.0	259.4	262.3								
12.0	258.0	262.0								
15.0	255.8	261.1								
18.0	252.7	259.4								
21.0	249.0	257.2								
24.0	244.5	254.3								
27.0	239.3	250.9								
30.0	233.3	246.6								

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

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

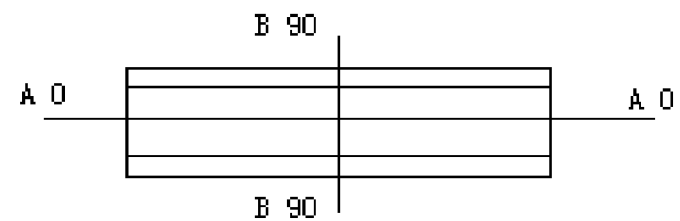
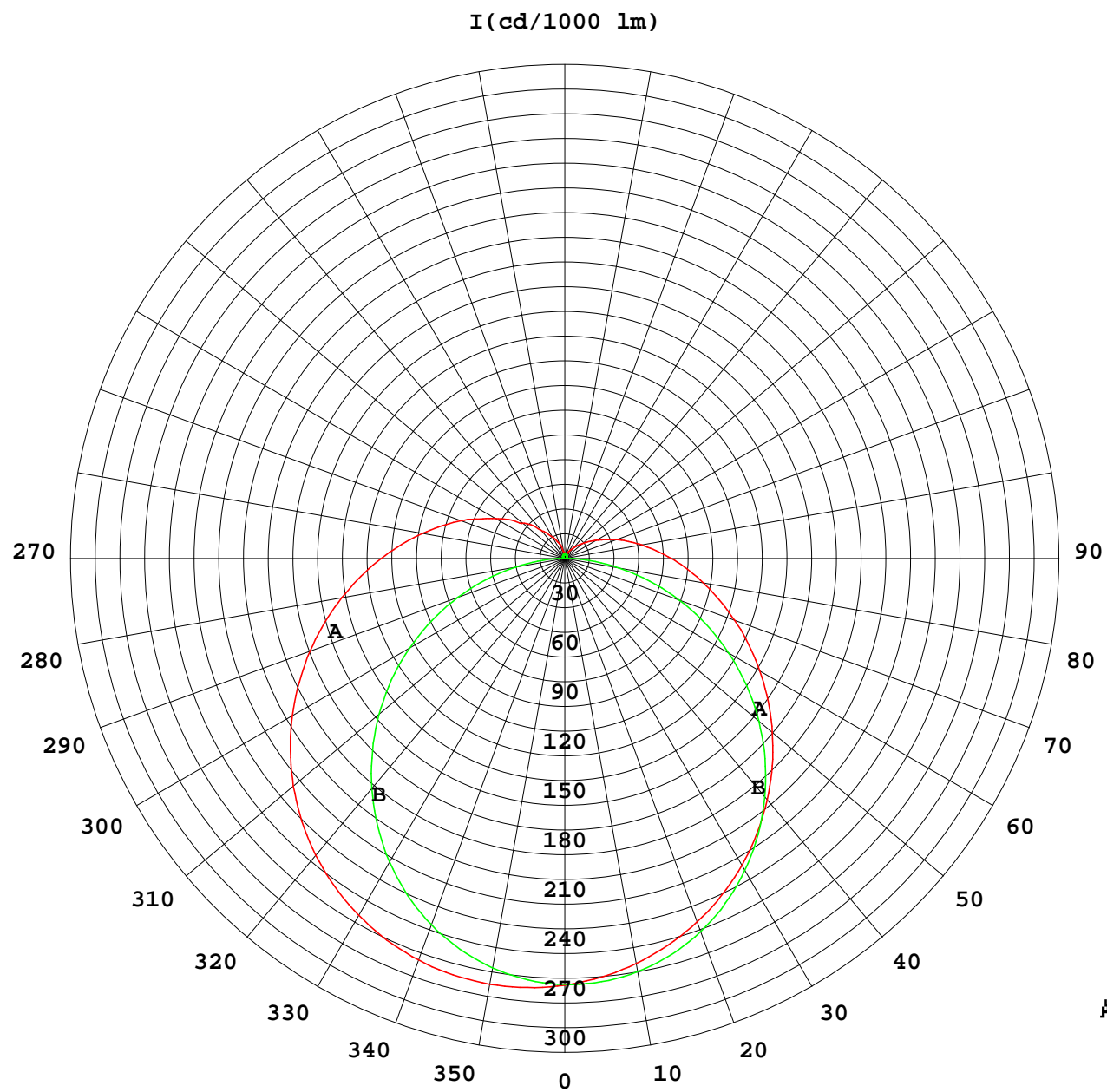
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	226.7	241.8
36.0	219.5	236.7
39.0	211.7	231.0
42.0	203.5	224.9
45.0	194.7	218.2
48.0	185.6	211.0
51.0	176.2	203.6
54.0	166.5	195.9
57.0	156.4	187.8
60.0	146.3	179.7
63.0	136.2	171.3
66.0	126.0	162.7
69.0	116.0	154.3
72.0	105.6	145.8
75.0	95.95	137.4
78.0	86.66	129.1
81.0	77.85	121.0
84.0	69.49	112.9
87.0	61.74	105.2
90.0	54.59	97.84
93.0	47.93	90.62
96.0	41.90	83.87
99.0	36.72	77.21
102.0	32.44	70.89
105.0	27.11	65.11
108.0	24.08	59.55
111.0	21.46	53.36
114.0	19.22	47.78
117.0	17.53	43.49
120.0	15.08	39.29
123.0	13.56	35.51
126.0	11.99	32.22
129.0	10.60	29.09
132.0	9.423	25.43
135.0	8.448	21.32
138.0	7.726	18.33
141.0	7.084	15.81
144.0	6.468	13.48
147.0	5.946	11.53
150.0	5.472	9.901
153.0	4.981	8.545
156.0	4.855	7.362
159.0	4.590	6.379
162.0	4.139	5.332
165.0	3.978	4.665
168.0	3.690	4.200
171.0	2.877	3.837
174.0	2.739	2.787
177.0	2.674	2.657
180.0	2.767	2.734

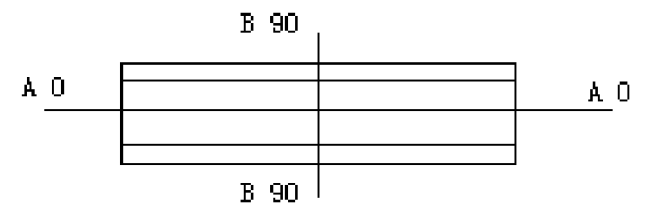
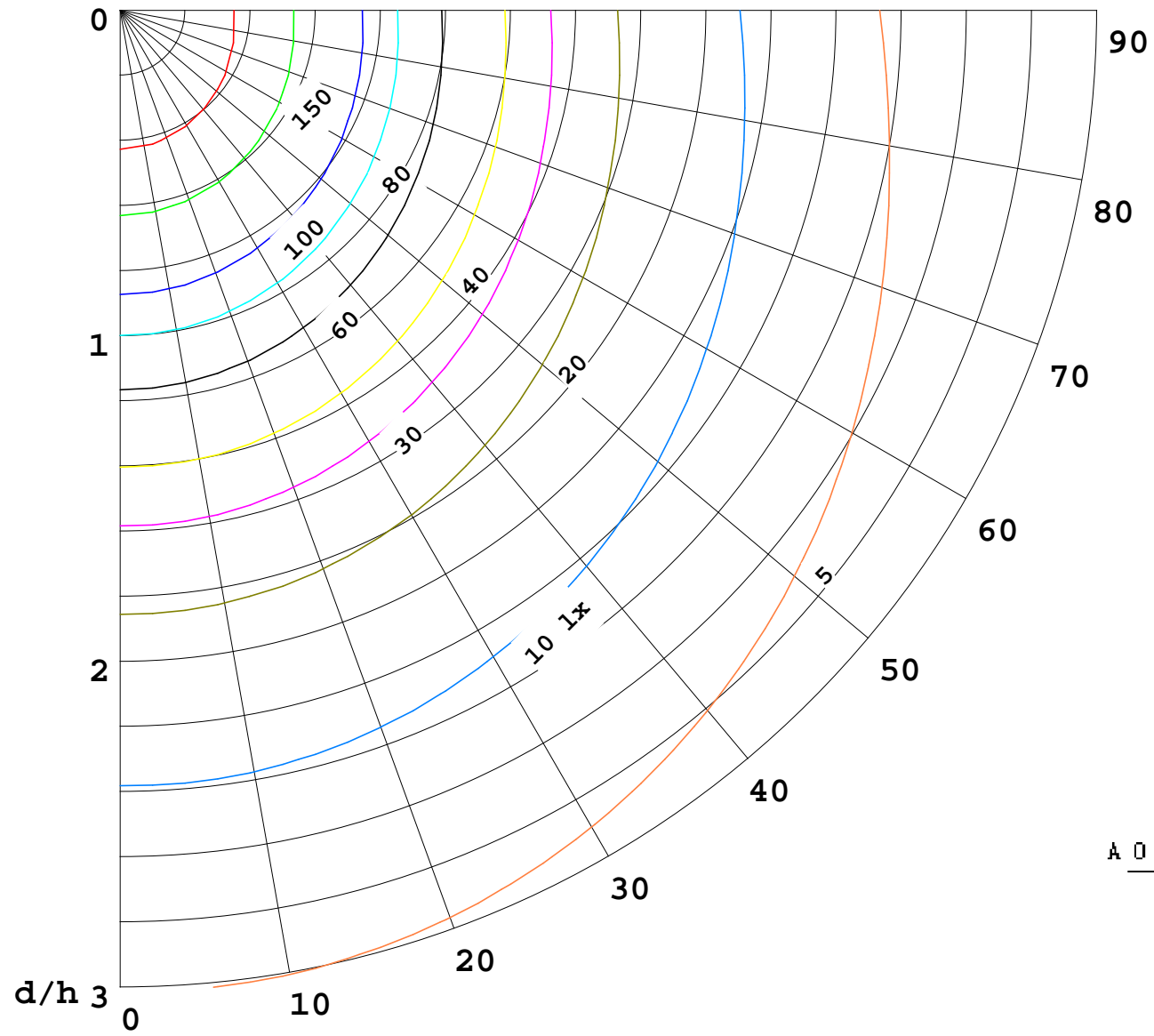
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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		Pcc	Pw	Pfc
K	= 0.7	—————	70	50	30
Hcc	= 0.0 m	—————	50	30	20
Hfc	= 0.0 m				
Eave	= 100 lx				

