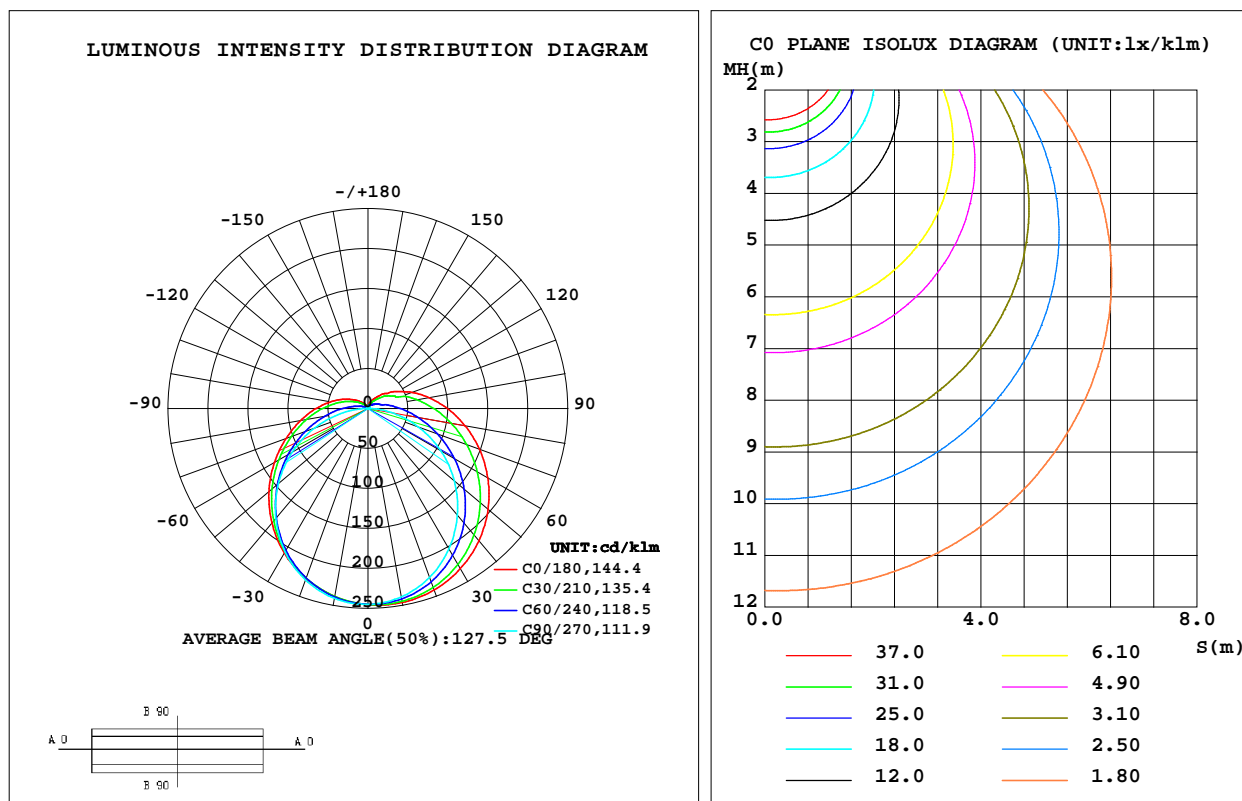


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.71 lm/W			
MODEL		I _{max} (cd/klm)	246.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	15	LOR(%)	98.6	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	985.70	h UP,DN(C0-180)	6.7,43.4
NOMINAL FLUX(lm)	1857.78	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.8,42.6
LAMPS INSIDE	1	h up(%)	12.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	86.0	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	246.4	243.4	239.4	237.8	238.7	239.0	241.2	245.0	0- 10	23.22	23.22	2.36,2.32
20	241.7	234.5	224.9	223.6	226.5	225.8	228.3	237.4	10- 20	66.85	90.07	9.14,9.01
30	231.1	218.5	202.6	203.0	209.0	206.1	207.3	222.7	20- 30	102.5	192.6	19.5,19.3
40	216.0	196.7	174.2	177.7	186.8	180.9	179.4	201.8	30- 40	126.2	318.7	32.3,31.9
50	196.2	170.4	141.2	149.3	161.7	152.4	146.4	176.0	40- 50	135.8	454.5	46.1,45.5
60	173.1	141.3	104.6	119.6	135.2	122.3	109.6	146.9	50- 60	131.6	586.1	59.5,58.6
70	148.2	111.7	66.71	90.74	108.9	92.52	70.66	117.1	60- 70	115.6	701.7	71.2,70.2
80	123.1	84.24	29.50	65.31	85.37	66.03	31.59	89.31	70- 80	92.11	793.8	80.5,79.4
90	99.45	61.51	2.418	44.54	65.12	44.47	2.833	65.73	80- 90	66.67	860.5	87.3,86
100	78.09	44.43	0.6320	29.19	48.17	28.44	0.5013	47.27	90-100	46.22	906.7	92,90.7
110	59.51	29.64	1.004	18.13	34.31	17.23	0.8633	33.43	100-110	31.47	938.1	95.2,93.8
120	43.00	21.69	1.354	11.36	22.63	10.72	1.237	23.58	110-120	20.22	958.4	97.2,95.8
130	29.87	15.29	1.667	7.223	14.46	6.709	1.561	16.55	120-130	12.77	971.1	98.5,97.1
140	19.90	10.09	1.937	4.460	8.476	4.163	1.846	10.60	130-140	7.371	978.5	99.3,97.8
150	13.66	6.758	2.178	3.027	4.692	2.895	2.097	6.947	140-150	3.959	982.5	99.7,98.2
160	8.683	4.851	2.386	2.471	2.467	2.415	2.285	4.850	150-160	2.038	984.5	99.9,98.4
170	3.543	3.572	2.523	2.576	2.327	2.404	2.312	3.293	160-170	0.9482	985.4	100,98.5
180	2.568	2.574	2.578	2.563	2.568	2.576	2.578	2.563	170-180	0.2586	985.7	100,98.6
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

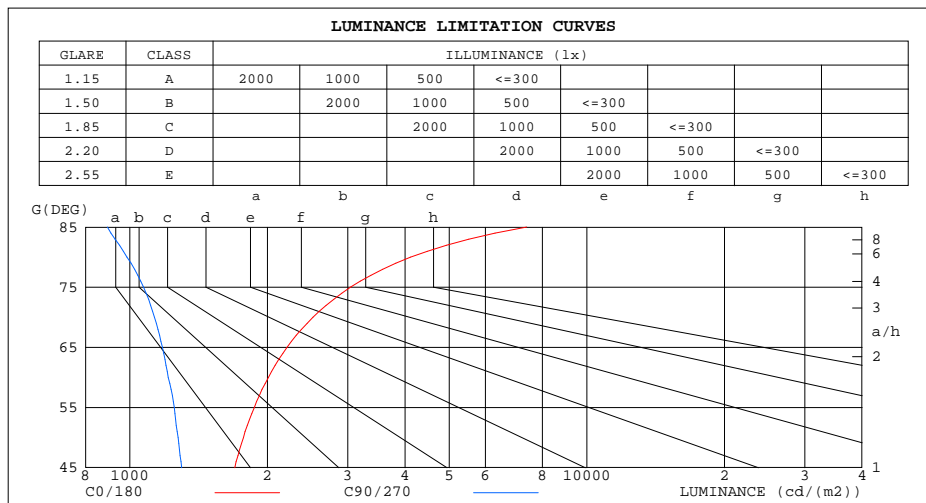
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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

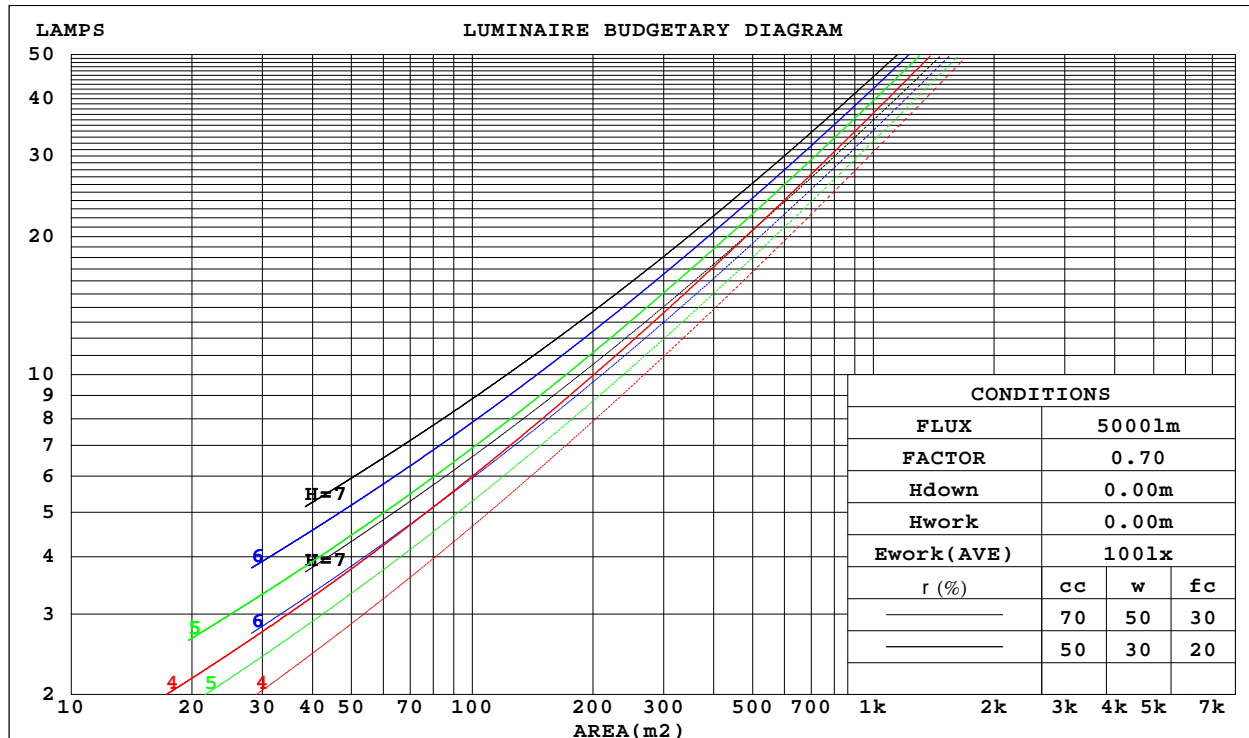
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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	1.14	1.14	1.14	1.10	1.10	1.10	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.96	.91	.86	.92	.88	.84	.86	.82	.79	.80	.77	.74	.74	.72	.70	.67
2.0	.82	.75	.68	.79	.72	.66	.74	.68	.63	.69	.64	.60	.64	.60	.57	.54
3.0	.72	.63	.56	.69	.61	.54	.64	.57	.52	.60	.54	.49	.56	.51	.47	.44
4.0	.63	.54	.47	.61	.52	.46	.57	.49	.44	.53	.47	.42	.49	.44	.40	.37
5.0	.56	.47	.40	.54	.45	.39	.50	.43	.37	.47	.41	.36	.44	.39	.34	.32
6.0	.50	.41	.34	.49	.40	.34	.45	.38	.32	.43	.36	.31	.40	.34	.30	.27
7.0	.45	.36	.30	.44	.35	.30	.41	.34	.28	.39	.32	.27	.36	.31	.26	.24
8.0	.41	.33	.27	.40	.32	.26	.38	.30	.25	.35	.29	.24	.33	.28	.23	.21
9.0	.38	.29	.24	.37	.29	.23	.35	.28	.23	.33	.26	.22	.31	.25	.21	.19
10.0	.35	.27	.21	.34	.26	.21	.32	.25	.20	.30	.24	.20	.29	.23	.19	.17



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

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

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.23V I:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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	.370	.211	.067	.360	.205	.065	.339	.195	.062	.320	.185	.059	.303	.176	.057	
2.0	.324	.178	.054	.314	.173	.053	.296	.164	.051	.279	.156	.049	.263	.149	.047	
3.0	.289	.154	.046	.281	.150	.045	.264	.143	.043	.249	.136	.042	.234	.130	.040	
4.0	.261	.136	.040	.253	.133	.039	.238	.126	.038	.224	.121	.036	.211	.115	.035	
5.0	.238	.121	.035	.231	.119	.035	.217	.113	.033	.205	.108	.032	.193	.103	.031	
6.0	.218	.110	.031	.212	.107	.031	.200	.102	.030	.188	.098	.029	.177	.093	.028	
7.0	.202	.100	.028	.196	.098	.028	.185	.093	.027	.174	.089	.026	.164	.085	.025	
8.0	.187	.092	.026	.182	.090	.025	.172	.086	.024	.162	.082	.024	.153	.079	.023	
9.0	.175	.084	.024	.170	.083	.023	.160	.079	.022	.151	.076	.022	.143	.073	.021	
10.0	.164	.078	.022	.159	.077	.021	.150	.074	.021	.142	.071	.020	.135	.068	.019	

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	.283	.283	.283	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030	
1.0	.278	.250	.224	.238	.214	.192	.163	.147	.133	.094	.085	.077	.030	.027	.025	
2.0	.271	.227	.189	.233	.195	.163	.159	.135	.114	.092	.079	.067	.029	.025	.022	
3.0	.264	.210	.167	.226	.181	.145	.155	.126	.102	.090	.074	.060	.029	.024	.020	
4.0	.256	.198	.153	.220	.171	.133	.151	.119	.094	.087	.070	.055	.028	.023	.018	
5.0	.249	.188	.143	.214	.163	.124	.147	.114	.088	.085	.067	.052	.027	.022	.017	
6.0	.241	.180	.136	.207	.156	.118	.143	.109	.084	.083	.064	.050	.027	.021	.016	
7.0	.234	.173	.131	.202	.150	.114	.139	.105	.081	.081	.062	.048	.026	.020	.016	
8.0	.228	.168	.127	.196	.146	.110	.136	.102	.078	.079	.060	.047	.026	.020	.015	
9.0	.222	.163	.124	.191	.141	.108	.132	.099	.076	.077	.059	.046	.025	.019	.015	
10.0	.216	.159	.121	.186	.138	.106	.129	.097	.075	.075	.057	.045	.024	.019	.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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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	14.8	16.2	15.2	16.6	17.1	12.8	14.2	13.2	14.6	15.1	
	3H	17.4	18.7	17.8	19.1	19.6	14.4	15.7	14.8	16.2	16.7
	4H	18.8	20.0	19.3	20.5	21.0	15.0	16.3	15.5	16.8	17.3
	6H	20.4	21.5	20.9	22.0	22.6	15.6	16.8	16.1	17.2	17.8
	8H	21.2	22.4	21.7	22.9	23.4	15.7	16.9	16.3	17.4	18.0
	12H	22.2	23.3	22.7	23.8	24.4	15.9	17.0	16.4	17.5	18.1
4H	2H	15.3	16.6	15.8	17.1	17.6	13.9	15.1	14.4	15.6	16.1
	3H	18.2	19.3	18.7	19.8	20.4	15.7	16.8	16.2	17.3	17.9
	4H	19.8	20.8	20.3	21.3	21.9	16.5	17.6	17.1	18.1	18.7
	6H	21.6	22.5	22.1	23.0	23.7	17.2	18.2	17.8	18.7	19.4
	8H	22.5	23.4	23.1	24.0	24.6	17.5	18.4	18.1	19.0	19.6
	12H	23.7	24.5	24.3	25.1	25.8	17.7	18.5	18.3	19.1	19.8
8H	4H	20.1	21.0	20.7	21.5	22.2	17.5	18.3	18.1	18.9	19.6
	6H	22.2	22.9	22.8	23.5	24.2	18.5	19.3	19.2	19.9	20.6
	8H	23.4	24.0	24.0	24.7	25.4	19.0	19.7	19.7	20.3	21.0
	12H	24.8	25.4	25.5	26.0	26.8	19.4	20.0	20.1	20.6	21.4
12H	4H	20.1	20.9	20.7	21.5	22.2	17.8	18.6	18.4	19.2	19.9
	6H	22.3	22.9	22.9	23.6	24.3	19.1	19.7	19.7	20.3	21.1
	8H	23.6	24.2	24.3	24.8	25.6	19.7	20.2	20.3	20.9	21.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 1858 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.2$)

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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	30	48	37	30	47	36	30	23
0.80	59	46	38	57	45	38	55	44	37	30
1.00	66	54	46	65	53	45	61	54	44	36
1.25	73	61	53	71	60	52	67	58	51	42
1.50	78	66	58	76	65	57	72	62	56	46
2.00	85	75	67	82	73	66	78	70	63	53
2.50	89	80	72	87	78	71	81	74	68	57
3.00	93	84	77	90	82	76	84	78	72	61
4.00	98	90	84	94	87	82	88	83	78	65
5.00	100	94	88	97	91	86	90	86	82	68
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

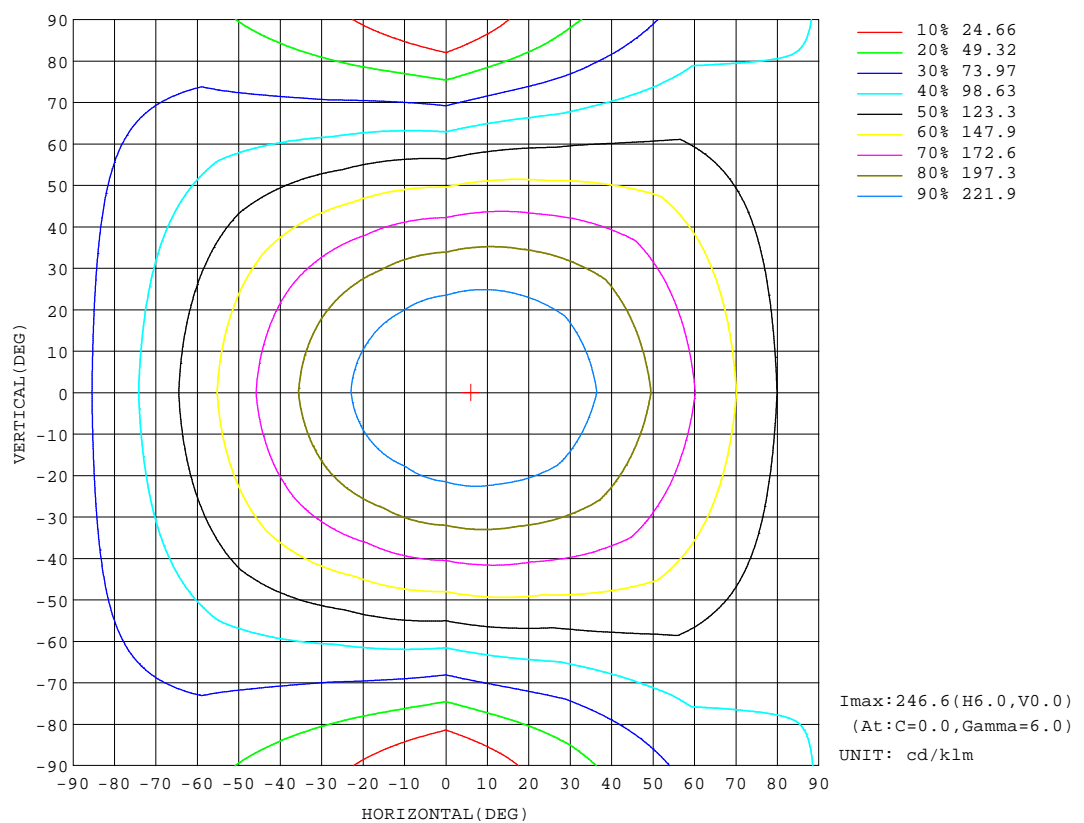
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-22

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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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

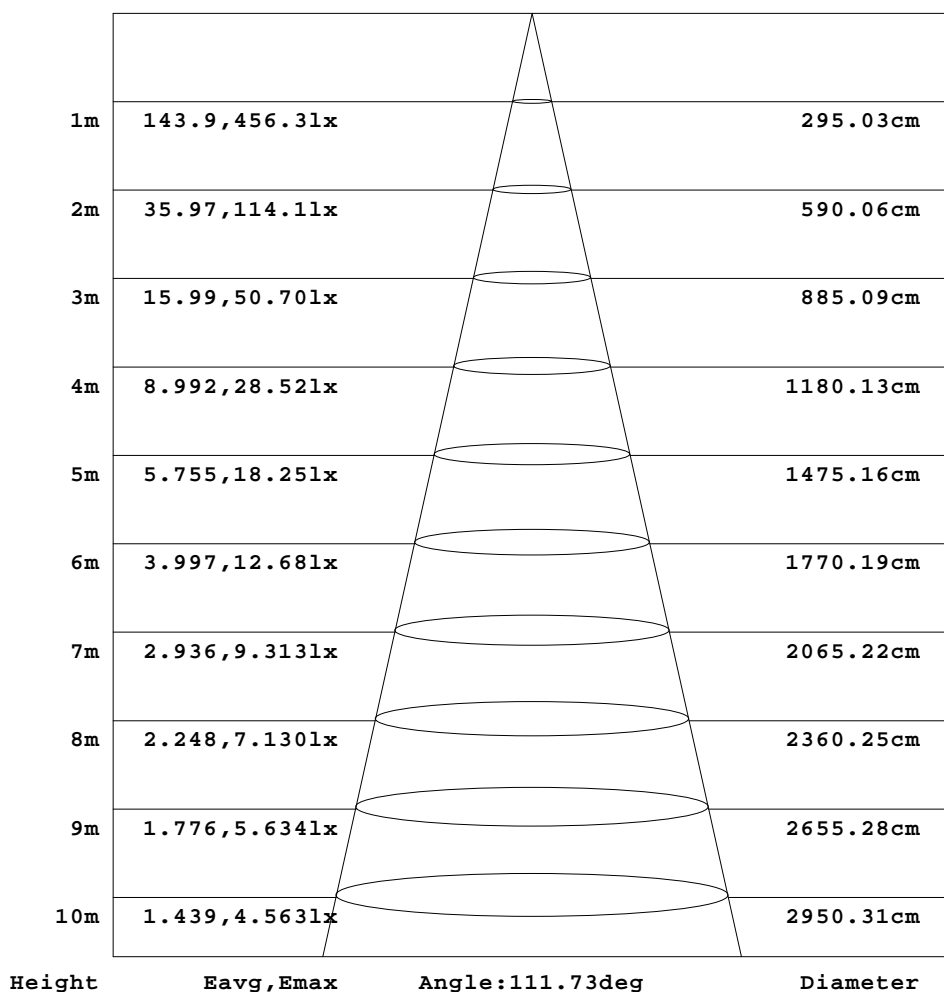
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:993.5 lm



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

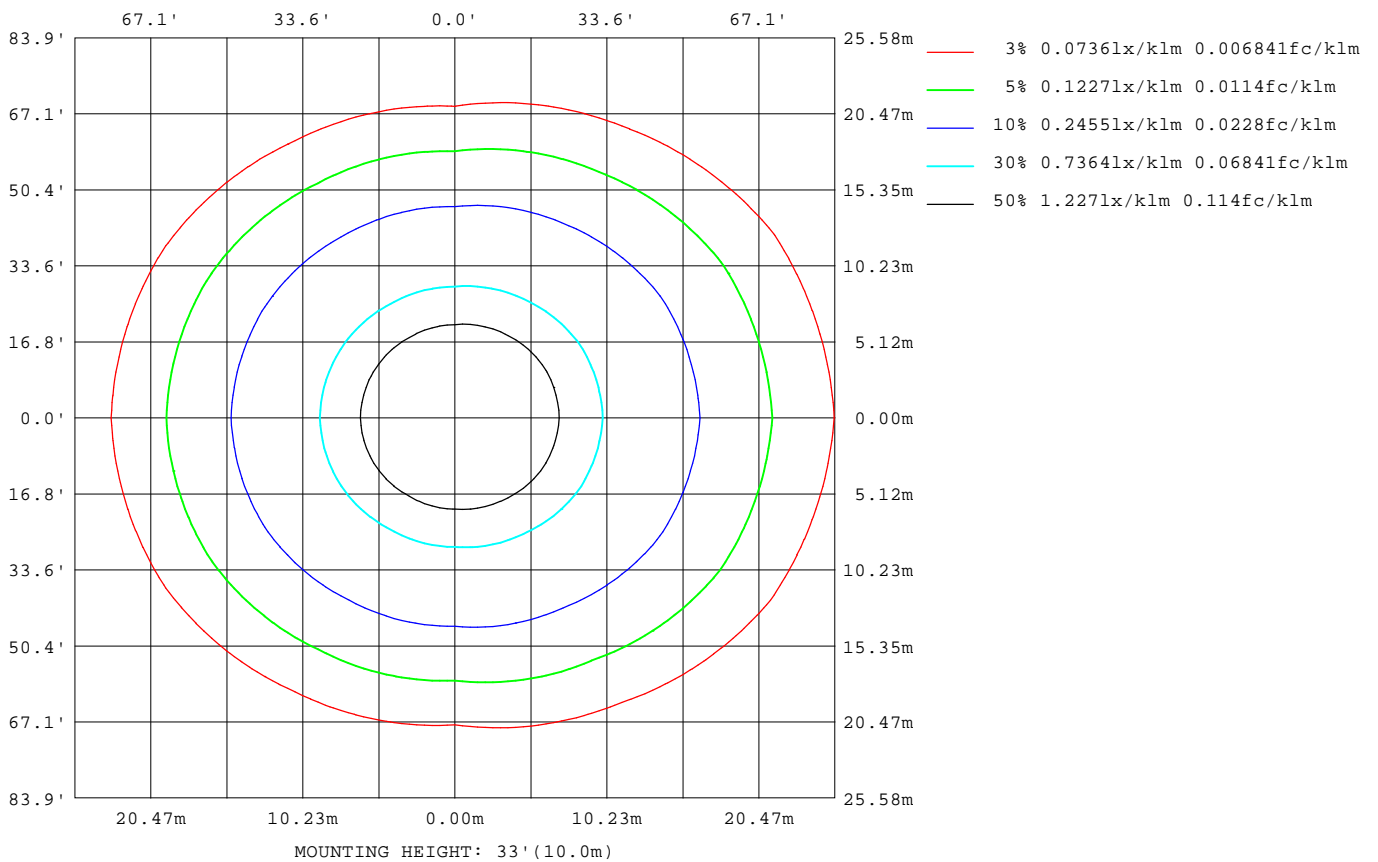
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-09-22

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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

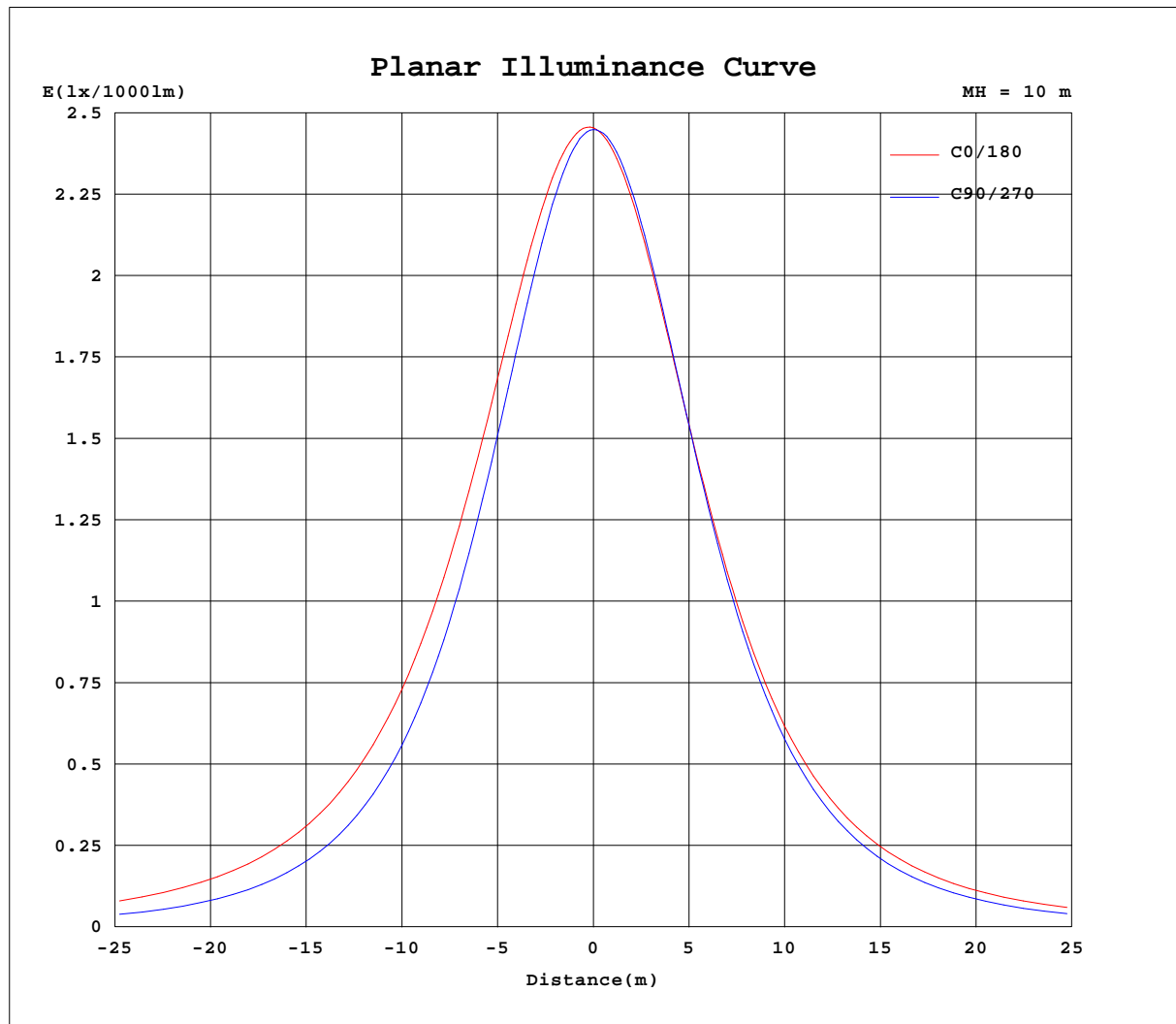
AvgL	cd/m2
L_0~180(65)av	1942
L_0~180(75)av	2605
L_0~180(85)av	6190
L_90~270(65)av	1210
L_90~270(75)av	1106
L_90~270(85)av	937
L_45(65)av	1621
L_45(75)av	2019
L_45(85)av	4386

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:0.1301A P:14.923W PF:0.9540 Freq:50.80Hz Lamp Flux:1857.78x1 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	245	245	245	245	245	245	245	245	245	245	245	245					
5	247	246	244	243	242	242	243	243	243	244	246	246					
10	246	245	242	239	238	238	239	239	240	241	244	246					
15	245	242	237	233	231	232	233	233	234	236	240	244					
20	242	238	231	225	222	225	227	226	226	228	235	240					
25	237	232	222	215	212	216	218	217	216	219	227	235					
30	231	225	212	203	201	205	209	207	205	207	217	228					
35	224	216	200	189	188	194	199	196	192	194	206	220					
40	216	206	187	174	174	182	187	183	178	179	193	210					
45	207	195	172	158	159	169	175	171	164	163	179	199					
50	196	184	157	141	143	155	162	157	148	146	164	188					
55	185	171	141	124	127	141	149	143	132	128	148	175					
60	173	158	125	105	112	128	135	129	116	110	132	162					
65	161	144	108	85.8	95.9	114	122	115	98.8	90.4	116	149					
70	148	131	92.3	66.7	80.9	101	109	102	83.1	70.7	99.0	135					
75	136	118	77.1	47.8	66.7	88.3	96.7	89.4	68.1	50.8	83.6	122					
80	123	105	63.2	29.5	53.7	76.9	85.4	77.7	54.3	31.6	69.3	109					
85	111	93.4	50.9	13.4	42.0	66.4	74.9	66.9	42.2	14.7	56.6	97.1					
90	99.4	82.4	40.6	2.42	32.3	56.8	65.1	57.0	31.9	2.83	45.7	85.8					
95	88.4	72.3	32.4	0.44	24.3	48.1	56.2	47.8	23.5	0.34	36.5	75.2					
100	78.1	62.9	25.9	0.63	18.0	40.4	48.2	39.9	17.0	0.50	29.1	65.4					
105	68.4	54.5	18.4	0.82	12.2	33.6	40.9	32.9	11.4	0.68	22.4	56.6					
110	59.5	43.5	15.7	1.00	9.22	27.0	34.3	26.1	8.39	0.86	18.7	48.2					
115	50.1	37.4	13.8	1.17	7.01	21.3	27.7	20.8	6.29	1.06	15.7	40.3					
120	43.0	31.9	11.5	1.35	5.38	17.3	22.6	16.6	4.80	1.24	12.9	34.3					
125	36.5	27.7	9.68	1.52	4.32	13.8	18.2	13.1	3.84	1.40	10.8	29.1					
130	29.9	22.4	8.20	1.67	3.57	10.9	14.5	10.2	3.21	1.56	8.86	24.2					
135	25.6	17.8	6.87	1.81	2.96	8.38	11.2	7.81	2.70	1.71	7.50	18.6					
140	19.9	14.1	6.07	1.94	2.51	6.41	8.48	6.00	2.32	1.85	6.57	14.6					
145	16.4	11.0	5.46	2.06	2.25	4.95	6.35	4.63	2.17	1.98	5.71	11.4					
150	13.7	8.71	4.81	2.18	2.27	3.79	4.69	3.57	2.22	2.10	5.02	8.88					
155	10.7	6.59	4.49	2.30	2.37	2.89	3.40	2.76	2.30	2.21	4.53	7.02					
160	8.68	5.57	4.13	2.39	2.46	2.48	2.47	2.47	2.36	2.29	4.15	5.55					
165	6.35	4.52	3.93	2.46	2.53	2.49	2.27	2.41	2.36	2.28	3.73	4.29					
170	3.54	3.89	3.25	2.52	2.62	2.53	2.33	2.41	2.40	2.31	2.87	3.72					
175	2.96	3.05	2.68	2.55	2.57	2.59	2.42	2.49	2.43	2.41	2.48	2.65					
180	2.57	2.57	2.58	2.58	2.58	2.54	2.57	2.57	2.58	2.58	2.58	2.55					

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	245.5	245.1	245.0	244.9	245.0	245.4	245.5	245.1	245.0	244.9
3.0	246.3	245.7	244.8	244.2	243.7	243.9	244.0	243.8	244.1	244.7
6.0	246.6	245.8	244.0	242.8	241.6	241.8	242.2	241.9	242.6	243.8
9.0	246.5	245.2	242.6	240.4	238.7	239.0	239.8	239.5	240.3	242.0
12.0	245.9	244.0	240.3	237.2	235.2	235.8	236.7	236.5	237.2	239.3
15.0	244.7	242.4	237.3	233.2	231.0	232.0	233.4	233.0	233.5	235.8
18.0	243.1	240.1	233.6	228.4	226.2	227.8	229.4	228.9	229.1	231.5
21.0	240.9	237.2	229.2	223.0	220.6	222.9	225.0	224.2	224.0	226.5
24.0	238.0	233.8	224.1	217.0	214.5	217.6	220.1	219.0	218.3	220.8
27.0	235.0	229.6	218.3	210.0	207.9	211.7	214.8	213.3	212.0	214.4
30.0	231.1	225.1	211.9	202.6	200.6	205.5	209.0	207.2	205.1	207.3
33.0	227.1	220.1	205.0	194.7	193.1	198.8	202.9	200.6	197.6	199.7
36.0	222.6	214.5	197.7	186.1	185.0	191.7	196.3	193.4	189.6	191.2
39.0	217.6	208.5	189.7	177.3	176.5	184.3	189.3	186.1	181.2	182.4
42.0	212.3	202.1	181.2	167.8	167.7	176.7	182.0	178.4	172.5	173.2
45.0	206.6	195.5	172.5	158.1	158.7	168.8	174.6	170.5	163.5	163.4
48.0	200.4	188.4	163.3	148.0	149.5	160.6	166.9	162.3	154.1	153.2
51.0	193.9	181.0	153.9	137.7	140.1	152.4	159.1	154.1	144.7	142.7
54.0	187.2	173.5	144.3	127.0	130.6	144.1	151.2	145.7	135.1	132.0
57.0	180.3	165.7	134.5	116.2	121.0	135.9	143.1	137.3	125.3	120.9
60.0	173.1	157.9	124.7	104.6	111.5	127.7	135.2	128.9	115.6	109.6
63.0	165.6	149.8	114.8	93.37	102.1	119.4	127.1	120.6	105.1	98.12
66.0	158.3	141.8	105.0	81.96	92.82	111.4	119.4	112.4	95.56	86.37
69.0	150.8	133.9	95.45	70.62	83.83	103.2	111.6	104.5	86.23	74.67
72.0	143.1	126.0	86.06	59.09	75.12	95.61	103.8	96.78	77.05	62.77
75.0	135.5	118.3	77.10	47.76	66.67	88.33	96.69	89.35	68.15	50.82
78.0	128.1	110.6	68.62	36.71	58.76	81.47	89.81	82.30	59.75	39.17
81.0	120.6	102.9	60.64	26.10	51.16	74.78	83.24	75.52	51.83	28.08
84.0	113.3	95.77	53.33	16.37	44.17	68.48	76.88	68.98	44.51	17.79
87.0	106.4	88.99	46.47	8.233	37.94	62.55	70.85	62.81	37.88	9.123
90.0	99.45	82.44	40.57	2.418	32.27	56.81	65.12	57.01	31.92	2.833
93.0	92.75	76.27	35.45	0.4278	27.24	51.45	59.65	51.37	26.59	0.3723
96.0	86.32	70.33	31.00	0.4793	22.87	46.50	54.56	46.10	22.04	0.3562
99.0	80.06	64.68	27.11	0.5906	19.09	41.83	49.70	41.34	18.17	0.4636
102.0	74.12	59.41	23.73	0.7131	15.91	37.54	45.14	36.93	14.82	0.5861
105.0	68.36	54.50	18.42	0.8206	12.18	33.55	40.86	32.91	11.41	0.6843
108.0	62.94	49.47	16.71	0.9281	10.31	29.84	36.84	29.13	9.473	0.7898
111.0	57.78	41.12	15.29	1.043	8.725	25.43	32.88	24.76	7.906	0.9048
114.0	52.12	37.89	14.30	1.141	7.440	22.19	28.83	21.77	6.660	1.018
117.0	47.24	35.20	12.75	1.245	6.252	19.68	25.61	19.07	5.623	1.129
120.0	43.00	31.87	11.50	1.354	5.379	17.35	22.63	16.64	4.799	1.237
123.0	39.02	29.36	10.35	1.452	4.703	15.20	19.91	14.47	4.167	1.337
126.0	34.84	26.90	9.383	1.552	4.150	13.22	17.42	12.52	3.693	1.437
129.0	30.30	23.68	8.484	1.645	3.700	11.43	15.17	10.76	3.319	1.529
132.0	28.29	19.90	7.687	1.728	3.324	9.840	13.13	9.188	2.995	1.620
135.0	25.62	17.75	6.874	1.812	2.962	8.379	11.22	7.809	2.701	1.708
138.0	21.53	15.53	6.194	1.892	2.664	7.128	9.498	6.656	2.456	1.791
141.0	19.24	13.36	5.992	1.963	2.437	6.092	8.007	5.698	2.262	1.867
144.0	17.22	11.52	5.585	2.035	2.267	5.208	6.726	4.877	2.170	1.948
147.0	15.01	9.983	5.232	2.105	2.255	4.454	5.635	4.173	2.182	2.029
150.0	13.66	8.708	4.808	2.178	2.268	3.786	4.692	3.575	2.216	2.097
153.0	12.09	7.510	4.524	2.254	2.321	3.210	3.861	3.056	2.267	2.166
156.0	10.15	6.426	4.466	2.316	2.395	2.743	3.181	2.632	2.318	2.233
159.0	9.001	5.716	4.174	2.372	2.446	2.497	2.631	2.499	2.359	2.278
162.0	8.117	5.071	4.040	2.418	2.487	2.470	2.338	2.433	2.358	2.284
165.0	6.348	4.521	3.930	2.465	2.534	2.487	2.274	2.410	2.359	2.276
168.0	4.114	4.142	3.742	2.501	2.589	2.512	2.295	2.389	2.361	2.278
171.0	3.416	3.805	3.111	2.536	2.638	2.538	2.344	2.429	2.378	2.327
174.0	3.137	3.186	2.814	2.548	2.576	2.584	2.401	2.491	2.408	2.385
177.0	2.569	2.623	2.565	2.559	2.578	2.538	2.503	2.534	2.514	2.506
180.0	2.568	2.572	2.576	2.578	2.582	2.544	2.568	2.574	2.578	2.578
G/C	300.0	330.0								
0.0	245.0	245.4								
3.0	245.7	246.2								
6.0	245.4	246.4								
9.0	244.4	246.3								
12.0	242.8	245.4								
15.0	240.3	243.9								
18.0	237.2	241.9								
21.0	233.3	239.2								
24.0	228.6	236.2								
27.0	223.3	232.3								
30.0	217.4	228.0								

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:

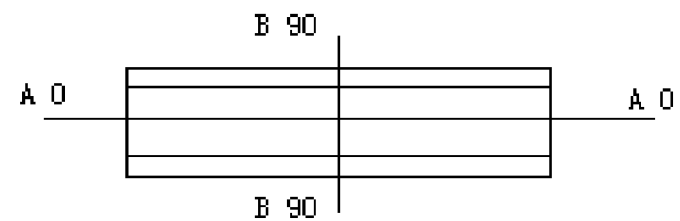
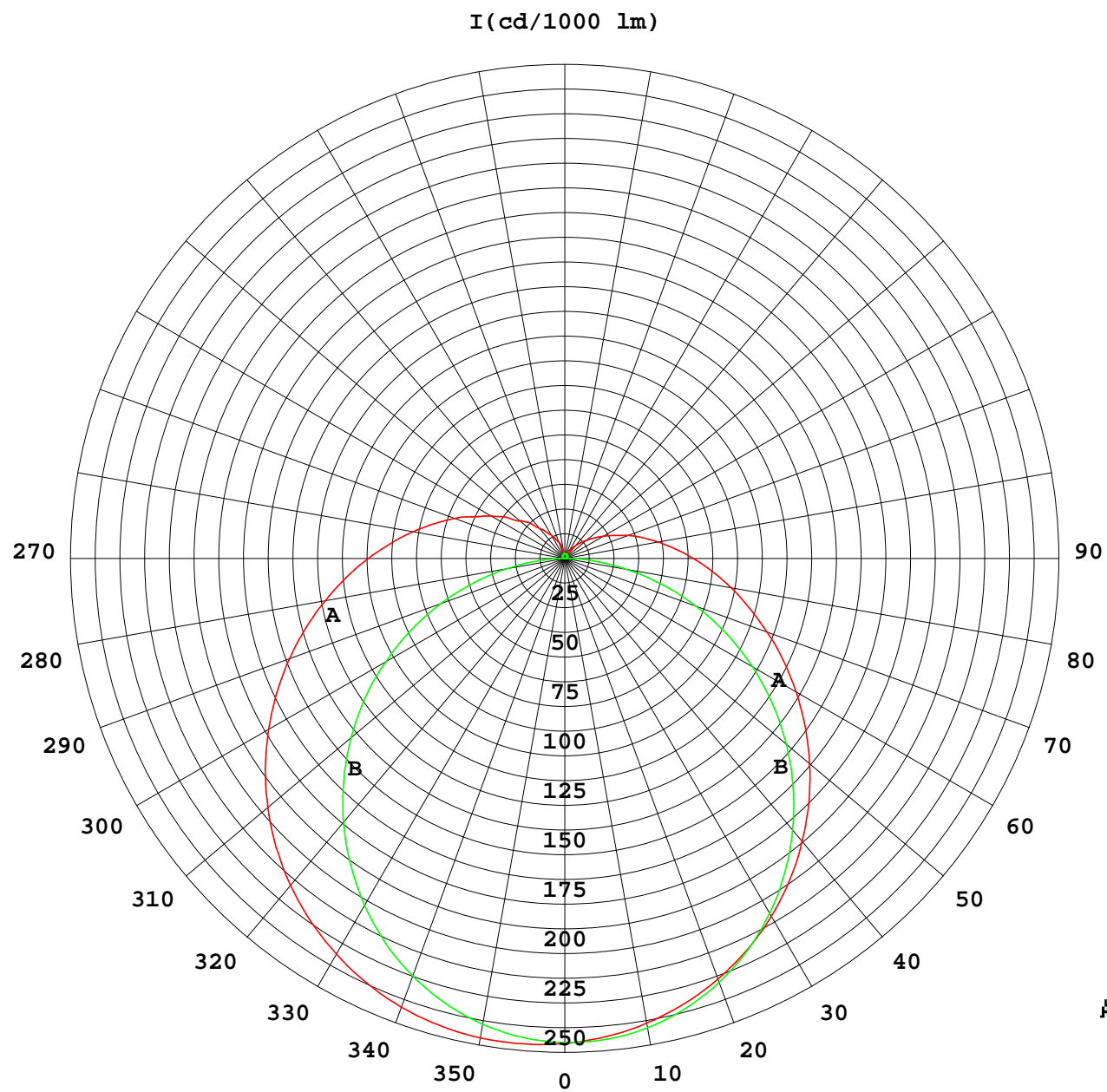
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	211.0	223.1
36.0	203.8	218.0
39.0	196.1	212.2
42.0	187.9	206.0
45.0	179.4	199.3
48.0	170.3	192.5
51.0	161.2	185.2
54.0	151.5	177.6
57.0	141.8	169.8
60.0	132.0	161.9
63.0	122.1	153.9
66.0	112.2	145.9
69.0	102.2	137.9
72.0	92.68	130.0
75.0	83.56	122.1
78.0	74.87	114.4
81.0	66.72	106.9
84.0	59.00	99.49
87.0	52.04	92.46
90.0	45.71	85.75
93.0	39.97	79.30
96.0	34.82	73.19
99.0	30.42	67.29
102.0	26.83	61.72
105.0	22.41	56.58
108.0	20.00	51.54
111.0	17.99	46.07
114.0	16.19	41.49
117.0	14.84	37.84
120.0	12.90	34.26
123.0	11.64	30.97
126.0	10.36	28.17
129.0	9.196	25.46
132.0	8.266	22.30
135.0	7.501	18.56
138.0	6.924	16.10
141.0	6.385	13.87
144.0	5.871	11.93
147.0	5.420	10.24
150.0	5.016	8.879
153.0	4.565	7.711
156.0	4.491	6.680
159.0	4.257	5.820
162.0	3.873	4.876
165.0	3.727	4.288
168.0	3.457	3.899
171.0	2.696	3.590
174.0	2.565	2.615
177.0	2.503	2.488
180.0	2.580	2.546

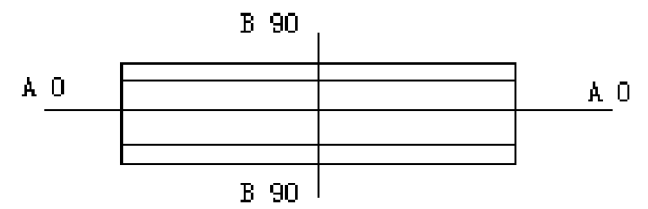
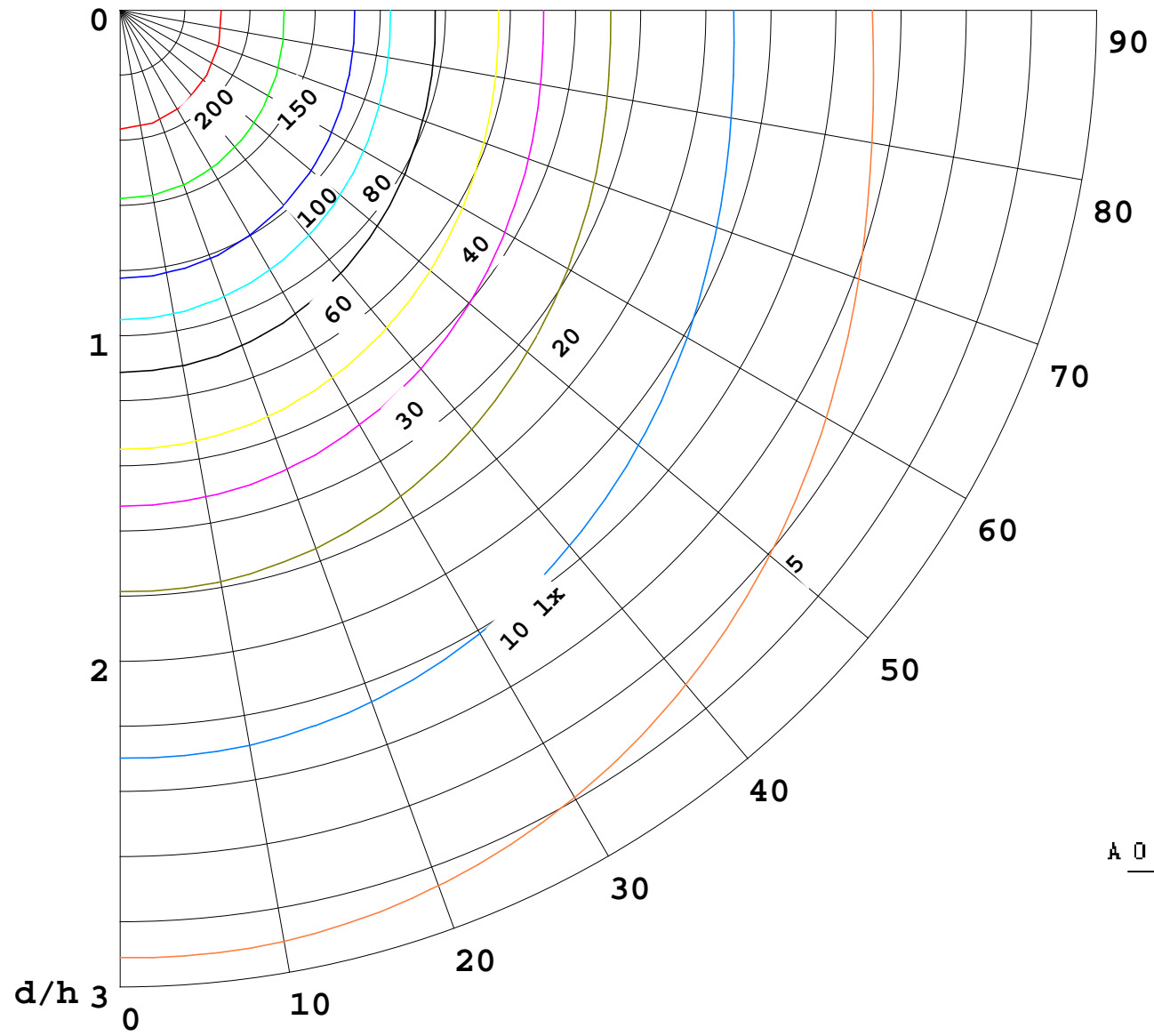
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-22

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				

