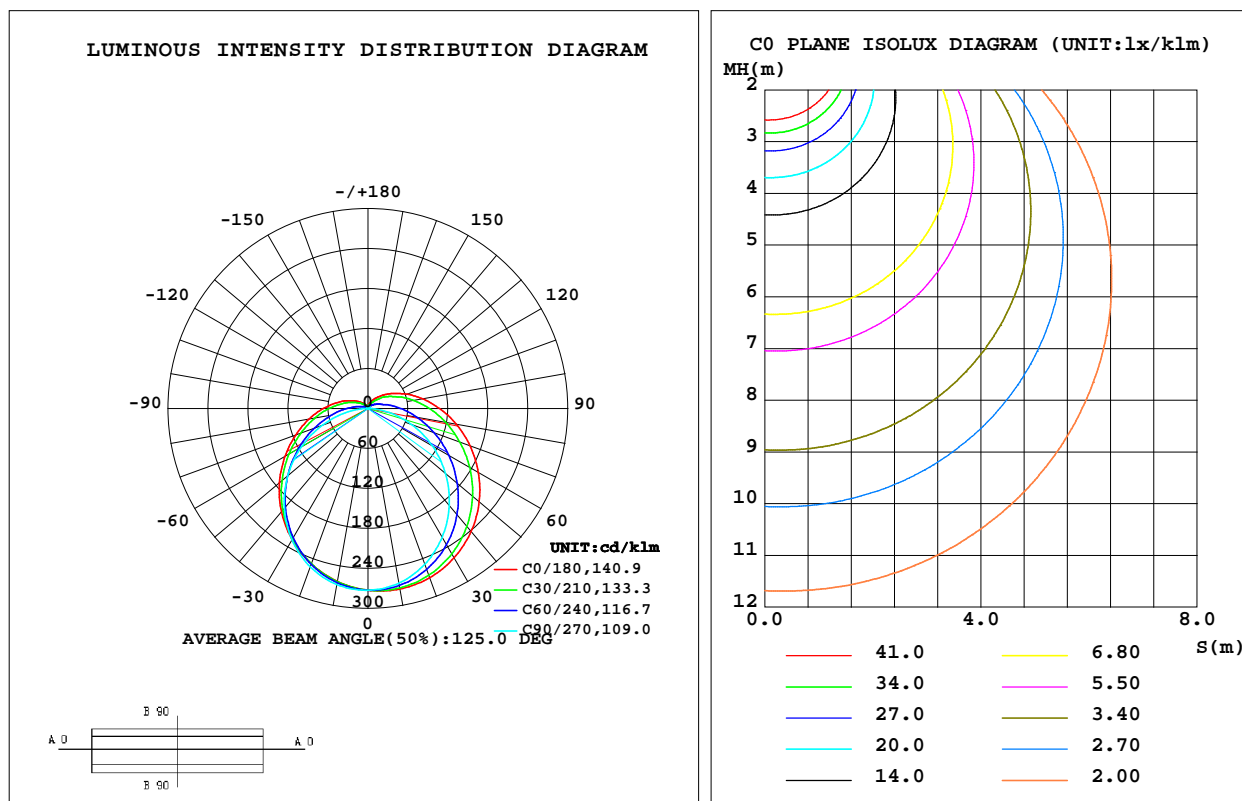


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.75 lm/W			
MODEL		I _{max} (cd/klm)	275.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)	20	LOR(%)	106.9	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1068.6	h UP,DN(C0-180)	7.2,47.4
NOMINAL FLUX(lm)	2375.38	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	6.0,46.2
LAMPS INSIDE	1	h up(%)	13.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	93.6	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	275.0	271.7	266.2	263.6	263.5	264.8	268.3	273.6	0- 10	25.83	25.83	2.42,2.58
20	270.4	261.7	249.1	245.9	248.3	248.7	253.0	265.0	10- 20	74.21	100.0	9.36,10
30	258.8	243.9	222.9	221.1	227.5	225.1	228.1	248.0	20- 30	113.3	213.4	20,21.3
40	240.9	219.3	189.7	191.1	202.1	195.9	195.4	223.8	30- 40	138.7	352.1	32.9,35.2
50	218.0	190.1	152.0	158.0	173.6	163.0	157.4	194.3	40- 50	148.3	500.4	46.8,50
60	191.2	158.2	111.3	124.0	143.9	128.8	115.8	161.7	50- 60	142.5	642.9	60.2,64.3
70	162.7	125.9	68.77	91.73	115.1	96.03	72.46	128.4	60- 70	124.2	767.0	71.8,76.7
80	134.2	96.08	28.68	64.01	89.63	67.58	30.38	97.03	70- 80	98.07	865.1	81,86.5
90	107.7	70.92	1.713	42.66	67.34	45.40	1.762	70.53	80- 90	70.56	935.7	87.6,93.6
100	83.86	50.93	0.8086	27.66	49.26	29.51	0.7133	49.12	90-100	48.85	984.5	92.1,98.5
110	63.49	35.56	1.192	17.10	34.68	18.23	1.078	34.06	100-110	33.15	1018	95.2,102
120	45.79	24.88	1.577	11.28	23.07	11.85	1.480	23.93	110-120	21.45	1039	97.2,104
130	32.53	16.52	1.984	7.558	15.13	7.753	1.858	16.54	120-130	13.59	1053	98.5,105
140	22.30	10.72	2.297	5.033	9.274	5.074	2.187	10.18	130-140	7.884	1061	99.3,106
150	14.79	7.009	2.639	3.664	5.515	3.558	2.516	6.858	140-150	4.308	1065	99.7,106
160	9.282	5.121	2.894	3.028	3.234	2.927	2.769	4.916	150-160	2.267	1067	99.9,107
170	3.842	3.708	3.037	3.092	2.994	3.065	2.988	3.720	160-170	1.080	1068	100,107
180	3.096	3.109	3.128	3.124	3.097	3.111	3.128	3.124	170-180	0.3068	1069	100,107
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

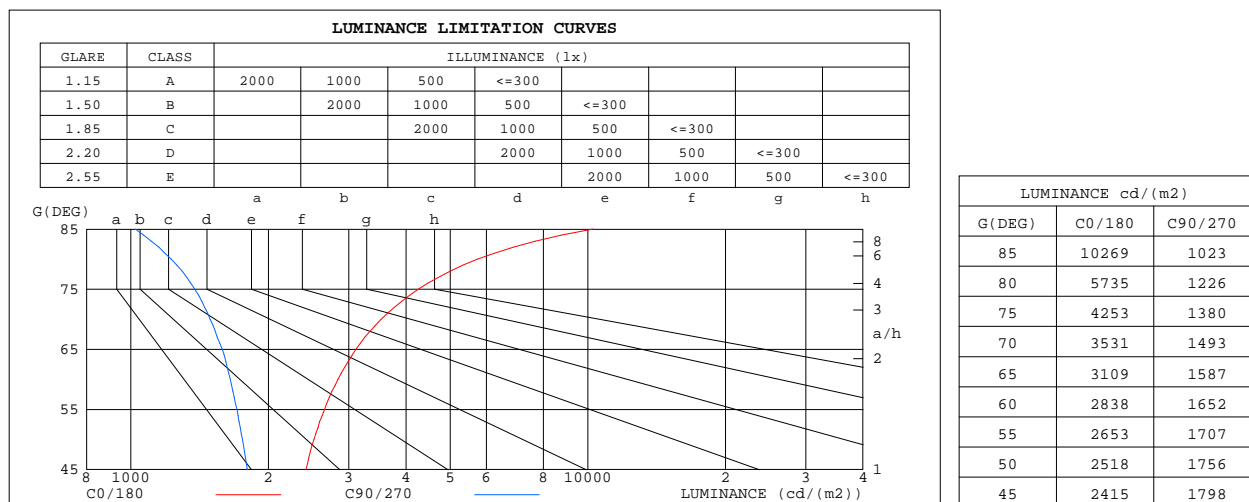
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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

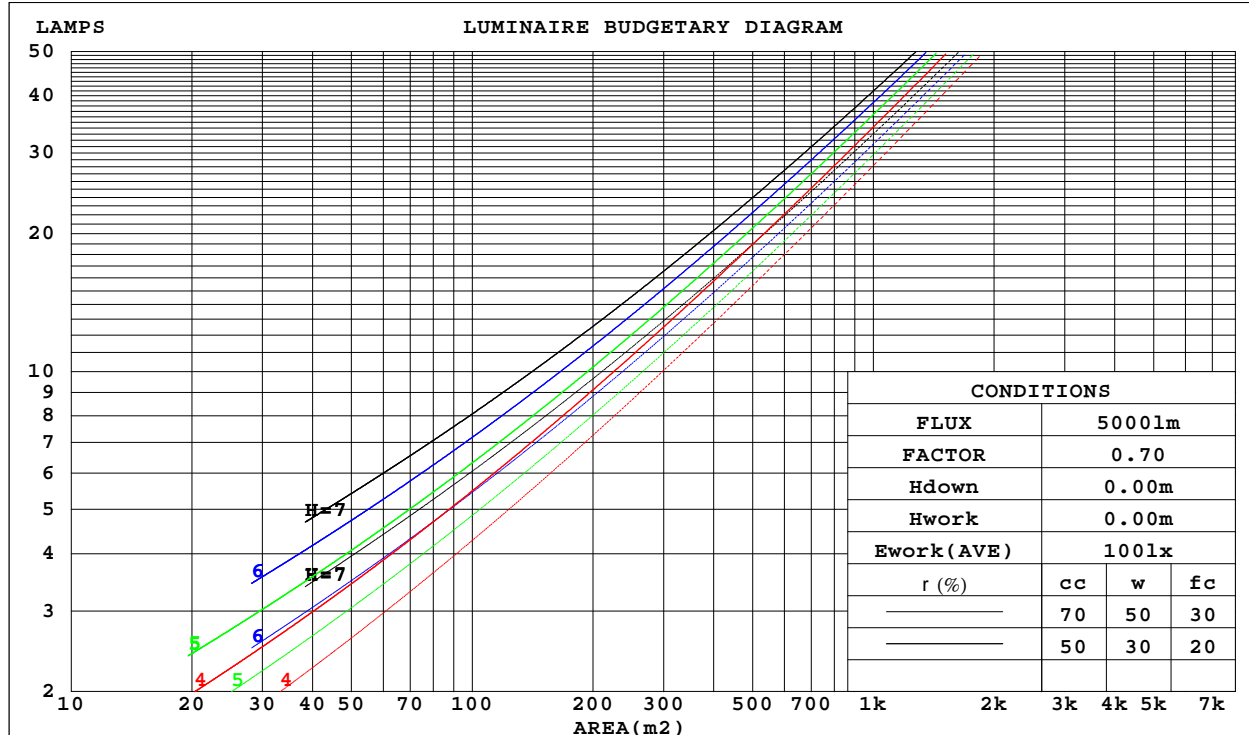
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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	1.24	1.24	1.24	1.20	1.20	1.20	1.11	1.11	1.11	1.04	1.04	1.04	.97	.97	.97	.94
1.0	1.04	.99	.94	1.01	.96	.91	.93	.89	.86	.87	.84	.81	.81	.78	.76	.73
2.0	.90	.81	.74	.86	.79	.72	.80	.74	.69	.75	.70	.65	.70	.65	.62	.59
3.0	.78	.68	.61	.75	.66	.59	.70	.63	.57	.65	.59	.54	.61	.56	.51	.48
4.0	.69	.59	.51	.66	.57	.50	.62	.54	.48	.58	.51	.46	.54	.48	.44	.41
5.0	.61	.51	.43	.59	.50	.43	.55	.47	.41	.52	.45	.39	.48	.42	.38	.35
6.0	.55	.45	.38	.53	.44	.37	.50	.42	.36	.47	.40	.34	.44	.38	.33	.30
7.0	.49	.40	.33	.48	.39	.32	.45	.37	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.45	.36	.29	.44	.35	.29	.41	.33	.28	.39	.32	.27	.36	.30	.26	.24
9.0	.41	.32	.26	.40	.32	.26	.38	.30	.25	.36	.29	.24	.34	.28	.23	.21
10.0	.38	.29	.24	.37	.29	.23	.35	.28	.22	.33	.26	.22	.31	.25	.21	.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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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	.398	.227	.072	.387	.220	.070	.365	.209	.067	.344	.199	.064	.326	.189	.061	
2.0	.349	.191	.059	.338	.186	.057	.319	.177	.055	.300	.168	.053	.283	.160	.051	
3.0	.312	.166	.050	.303	.162	.049	.285	.154	.047	.268	.147	.045	.253	.140	.043	
4.0	.282	.147	.043	.273	.143	.042	.257	.136	.041	.242	.130	.039	.228	.124	.038	
5.0	.257	.131	.038	.249	.128	.037	.235	.122	.036	.221	.117	.035	.209	.111	.033	
6.0	.236	.118	.034	.229	.116	.033	.216	.111	.032	.203	.106	.031	.192	.101	.030	
7.0	.218	.108	.031	.212	.105	.030	.200	.101	.029	.188	.097	.028	.178	.092	.027	
8.0	.202	.099	.028	.197	.097	.027	.186	.093	.026	.175	.089	.026	.166	.085	.025	
9.0	.189	.091	.026	.184	.089	.025	.174	.086	.024	.164	.082	.024	.155	.079	.023	
10.0	.177	.085	.024	.172	.083	.023	.163	.080	.022	.154	.076	.022	.146	.073	.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	.305	.305	.305	.260	.260	.260	.178	.178	.178	.102	.102	.102	.033	.033	.033	
1.0	.299	.268	.240	.256	.230	.207	.175	.158	.143	.101	.092	.083	.032	.030	.027	
2.0	.292	.244	.203	.250	.210	.175	.171	.145	.122	.099	.084	.072	.032	.027	.023	
3.0	.284	.226	.179	.243	.195	.156	.167	.135	.109	.096	.079	.064	.031	.026	.021	
4.0	.275	.212	.164	.236	.183	.142	.162	.128	.100	.094	.075	.059	.030	.024	.019	
5.0	.267	.201	.153	.229	.174	.133	.158	.122	.094	.092	.071	.056	.029	.023	.018	
6.0	.259	.193	.145	.223	.167	.126	.154	.117	.089	.089	.069	.053	.029	.022	.018	
7.0	.252	.186	.139	.216	.161	.122	.149	.113	.086	.087	.066	.051	.028	.022	.017	
8.0	.244	.180	.135	.210	.156	.118	.146	.109	.084	.085	.065	.050	.027	.021	.016	
9.0	.238	.174	.132	.205	.151	.115	.142	.106	.082	.083	.063	.049	.027	.021	.016	
10.0	.231	.170	.129	.200	.148	.113	.138	.104	.080	.081	.061	.048	.026	.020	.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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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	16.1	17.5	16.5	18.0	18.4	14.0	15.5	14.5	15.9	16.3	
	3H	18.7	20.0	19.1	20.4	20.9	15.6	16.9	16.0	17.3	17.8
	4H	20.1	21.3	20.6	21.8	22.3	16.2	17.5	16.7	17.9	18.5
	6H	21.6	22.8	22.1	23.3	23.8	16.7	17.9	17.2	18.4	18.9
	8H	22.5	23.6	23.0	24.1	24.7	16.8	18.0	17.4	18.5	19.0
	12H	23.4	24.5	24.0	25.1	25.6	16.9	18.0	17.5	18.5	19.1
4H	2H	16.7	17.9	17.2	18.4	18.9	15.2	16.4	15.7	16.9	17.4
	3H	19.5	20.6	20.0	21.1	21.7	17.0	18.1	17.5	18.6	19.2
	4H	21.1	22.1	21.6	22.6	23.2	17.8	18.8	18.4	19.4	20.0
	6H	22.8	23.7	23.4	24.3	24.9	18.5	19.4	19.1	20.0	20.6
	8H	23.8	24.7	24.4	25.2	25.9	18.8	19.6	19.4	20.2	20.8
	12H	24.9	25.7	25.5	26.3	27.0	18.9	19.7	19.5	20.3	21.0
8H	4H	21.4	22.3	22.0	22.9	23.5	18.8	19.7	19.4	20.2	20.9
	6H	23.5	24.2	24.1	24.8	25.5	19.9	20.6	20.5	21.2	21.9
	8H	24.7	25.3	25.3	26.0	26.7	20.4	21.0	21.0	21.6	22.3
	12H	26.1	26.6	26.7	27.3	28.0	20.8	21.3	21.4	22.0	22.7
12H	4H	21.5	22.2	22.1	22.8	23.5	19.1	19.9	19.7	20.5	21.2
	6H	23.6	24.3	24.3	24.9	25.6	20.4	21.1	21.1	21.7	22.4
	8H	24.9	25.5	25.6	26.1	26.9	21.1	21.6	21.7	22.3	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, 2375 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.0$)

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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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	54	41	33	53	40	33	51	40	33	25
0.80	64	50	42	62	50	41	60	48	41	33
1.00	72	59	50	70	58	50	67	59	49	40
1.25	80	67	58	77	65	57	73	63	56	46
1.50	85	72	64	83	71	63	78	68	61	51
2.00	93	81	73	90	79	72	84	76	69	58
2.50	97	87	79	94	85	77	88	80	74	62
3.00	101	92	84	98	89	82	92	85	79	66
4.00	106	98	91	102	95	89	96	90	85	71
5.00	109	102	96	105	99	94	98	93	89	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

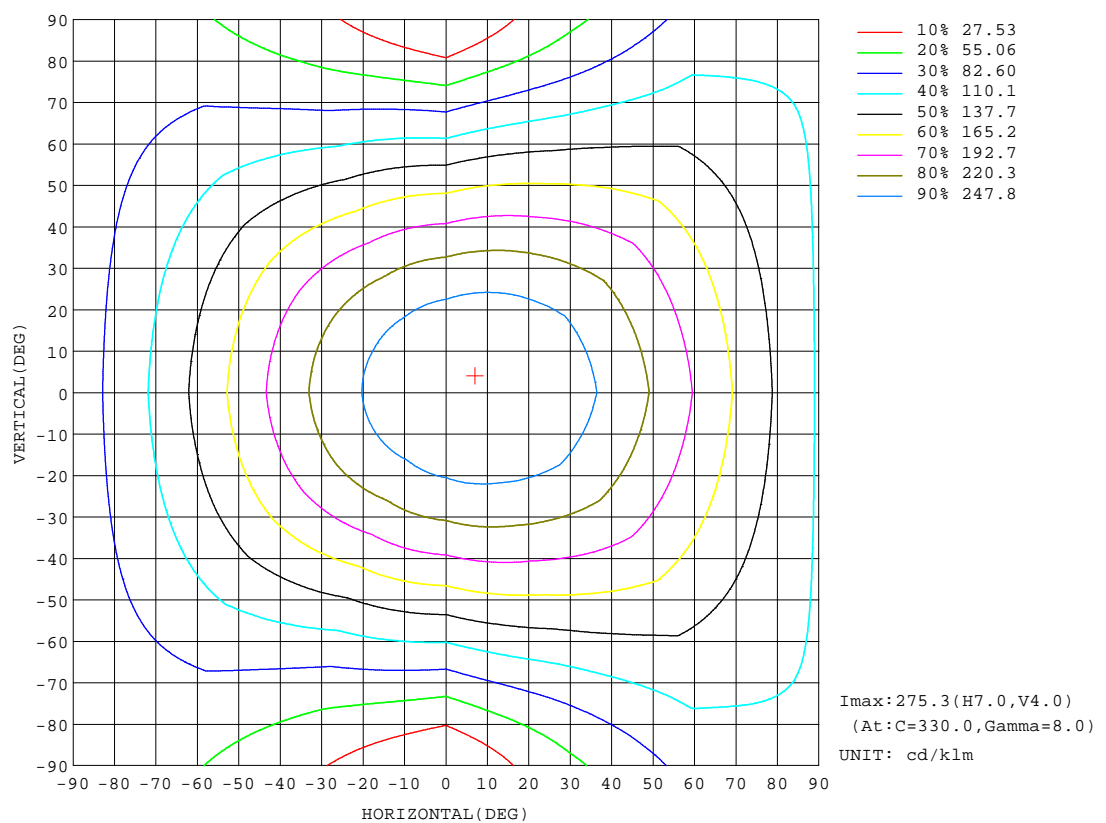
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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

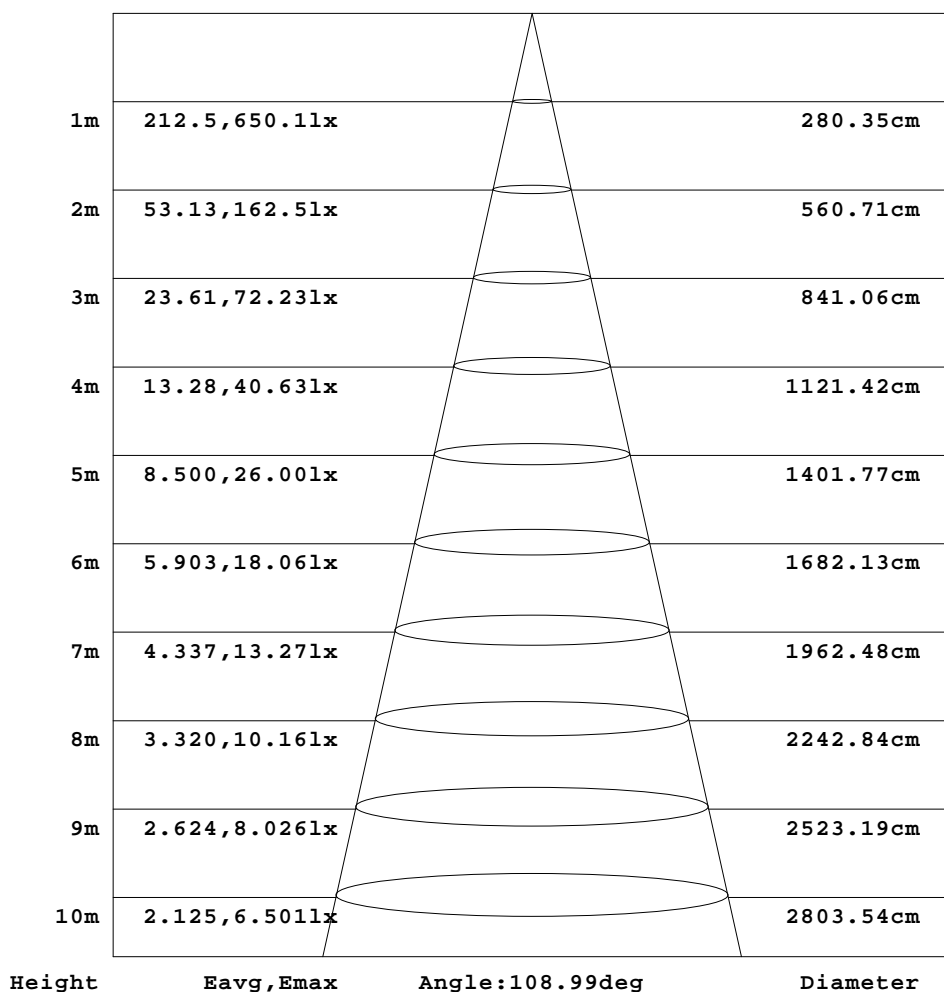
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1362 lm



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

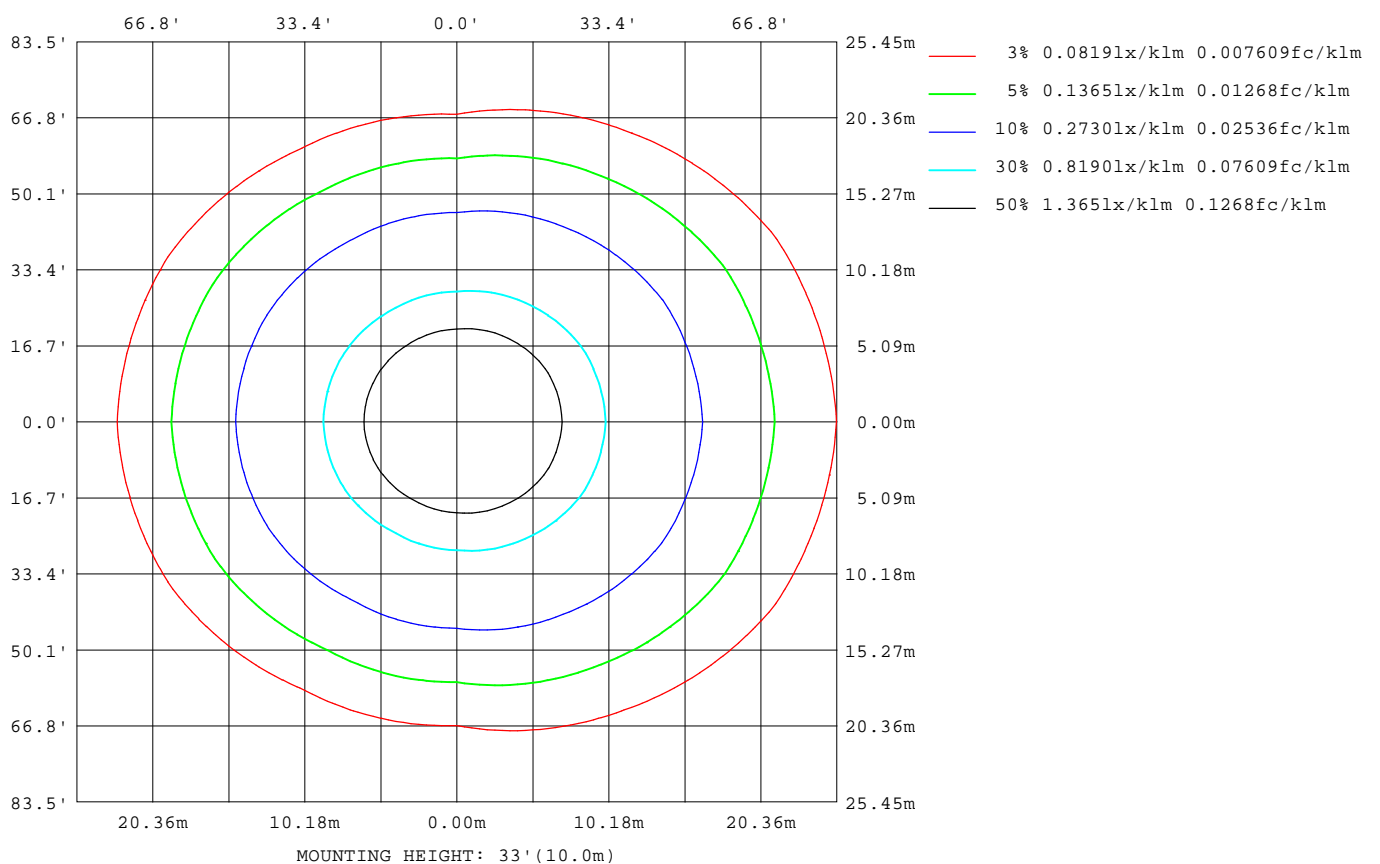
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-18

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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

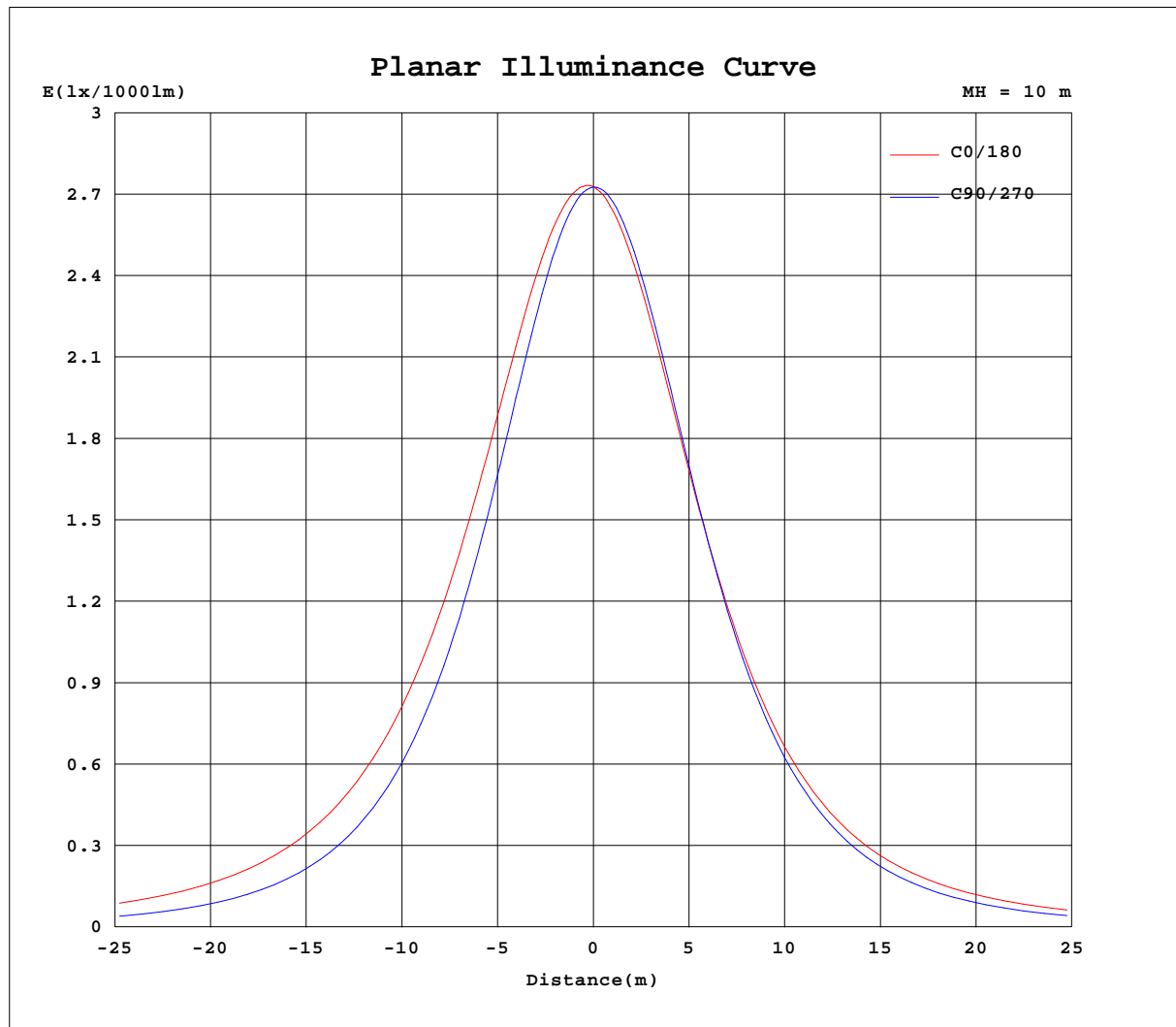
AvgL	cd/m2
L_0~180(65)av	2689
L_0~180(75)av	3588
L_0~180(85)av	8448
L_90~270(65)av	1621
L_90~270(75)av	1420
L_90~270(85)av	1060
L_45(65)av	2232
L_45(75)av	2762
L_45(85)av	5979

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:120.23V I:0.1780A P:20.511W PF:0.9586 Freq:50.80Hz Lamp Flux:2375.38x1 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	273	273	273	273	273	273	273	273	273	273	273	273					
5	275	274	273	271	270	269	269	269	270	272	274	275					
10	275	274	270	266	264	264	264	264	266	268	272	275					
15	274	271	264	259	255	256	257	257	258	262	268	273					
20	270	266	257	249	245	247	248	248	249	253	261	269					
25	265	260	248	237	233	236	239	238	238	242	252	263					
30	259	252	236	223	219	224	228	226	224	228	241	255					
35	251	242	223	207	203	210	215	213	209	212	228	245					
40	241	231	208	190	186	196	202	199	193	195	214	234					
45	230	218	192	171	169	181	188	184	176	177	198	221					
50	218	205	175	152	151	165	174	169	157	157	181	208					
55	205	191	158	132	132	149	159	153	139	137	163	194					
60	191	176	140	111	114	134	144	137	121	116	145	179					
65	177	161	122	90.3	96.2	119	129	122	102	94.2	126	163					
70	163	147	105	68.8	79.2	104	115	107	85.1	72.5	109	148					
75	148	132	88.9	48.1	63.7	90.8	102	93.3	68.9	50.9	91.5	133					
80	134	118	74.0	28.7	50.0	78.0	89.6	80.6	54.5	30.4	75.2	119					
85	121	105	60.7	12.0	38.4	66.8	77.8	69.1	42.3	12.9	61.2	105					
90	108	92.5	49.3	1.71	28.7	56.6	67.3	58.7	32.1	1.76	48.8	92.2					
95	95.4	80.7	39.8	0.64	21.2	47.6	57.8	49.4	24.0	0.53	37.2	79.8					
100	83.9	70.1	31.7	0.81	15.7	39.7	49.3	41.2	17.8	0.71	29.4	68.9					
105	73.2	60.5	23.7	1.01	10.8	32.8	41.6	33.9	12.4	0.90	22.2	59.2					
110	63.5	51.4	19.7	1.19	8.37	25.8	34.7	26.9	9.59	1.08	18.4	49.7					
115	53.5	42.9	16.7	1.38	6.60	20.9	28.1	21.8	7.53	1.28	14.3	41.9					
120	45.8	36.5	13.3	1.58	5.36	17.2	23.1	17.7	6.00	1.48	12.4	35.5					
125	38.8	30.8	10.8	1.79	4.51	14.0	18.8	14.3	4.88	1.68	10.2	30.0					
130	32.5	24.6	8.44	1.98	3.91	11.2	15.1	11.4	4.12	1.86	8.51	24.6					
135	26.9	19.0	7.58	2.16	3.42	8.88	12.0	8.97	3.57	2.03	7.24	18.6					
140	22.3	14.8	6.63	2.30	3.01	7.05	9.27	7.04	3.10	2.19	6.31	14.1					
145	18.2	11.5	5.87	2.49	2.74	5.66	7.15	5.59	2.72	2.34	5.57	11.1					
150	14.8	8.74	5.28	2.64	2.78	4.55	5.52	4.43	2.68	2.52	4.85	8.87					
155	11.7	7.29	5.00	2.77	2.86	3.64	4.23	3.53	2.73	2.63	4.56	7.06					
160	9.28	5.93	4.31	2.89	2.96	3.10	3.23	3.02	2.83	2.77	4.20	5.63					
165	7.13	4.93	4.04	2.99	3.04	3.06	2.95	3.00	2.94	2.89	3.99	4.81					
170	3.84	4.05	3.36	3.04	3.11	3.08	2.99	3.08	3.05	2.99	3.29	4.15					
175	3.28	3.32	3.10	3.09	3.12	3.15	3.06	3.14	3.09	3.08	3.10	3.22					
180	3.10	3.10	3.12	3.13	3.13	3.11	3.10	3.10	3.12	3.13	3.13	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	272.8	272.6	272.7	272.7	273.0	273.2	272.8	272.6	272.7	272.7
3.0	274.1	273.7	272.9	271.9	271.2	271.1	270.8	270.9	271.5	272.5
6.0	275.0	274.2	272.1	270.1	268.6	268.2	268.0	268.5	269.7	271.5
9.0	275.1	273.6	270.4	267.4	265.0	264.9	264.9	265.3	266.9	269.3
12.0	274.7	272.8	267.9	263.6	260.7	260.7	260.9	261.5	263.0	266.1
15.0	273.6	271.0	264.5	258.8	255.3	256.0	256.6	257.0	258.4	262.1
18.0	272.0	268.5	260.3	253.1	249.4	250.4	251.9	252.0	253.0	256.9
21.0	269.6	265.3	255.2	246.8	242.6	244.5	246.5	246.3	247.0	251.0
24.0	266.5	261.3	249.6	239.6	235.3	238.1	240.7	240.0	240.1	244.1
27.0	262.9	256.9	243.3	231.6	227.2	231.1	234.3	233.4	232.5	236.5
30.0	258.8	251.8	236.0	222.9	218.6	223.6	227.5	226.1	224.2	228.1
33.0	253.9	246.3	228.3	213.7	209.5	215.8	220.4	218.4	215.6	219.1
36.0	248.6	240.0	219.9	203.8	199.8	207.5	212.8	210.4	206.1	209.3
39.0	243.0	233.2	210.9	193.4	189.8	198.8	204.7	201.9	196.2	198.9
42.0	236.8	226.0	201.7	182.6	179.4	189.9	196.6	193.1	186.1	188.1
45.0	230.0	218.3	191.9	171.3	168.9	180.7	188.2	184.0	175.5	176.9
48.0	222.9	210.4	181.9	159.8	158.0	171.5	179.5	174.7	164.6	165.3
51.0	215.4	202.3	171.6	148.0	147.0	162.1	170.6	165.3	153.7	153.3
54.0	207.7	193.7	161.2	135.9	136.0	152.6	161.7	155.8	142.7	141.0
57.0	199.5	185.1	150.6	123.6	124.9	143.2	152.7	146.4	131.4	128.5
60.0	191.2	176.4	140.0	111.3	114.0	134.0	143.9	137.0	120.5	115.8
63.0	182.7	167.4	129.3	98.68	103.2	124.7	135.0	127.7	109.5	102.8
66.0	174.2	158.5	118.9	85.86	92.61	115.7	126.4	118.5	98.91	89.73
69.0	165.6	149.6	108.7	73.08	82.52	107.1	118.0	109.9	88.51	76.81
72.0	157.0	140.8	98.65	60.46	72.83	98.67	109.8	101.4	78.34	63.72
75.0	148.3	132.1	88.94	48.11	63.71	90.78	101.9	93.28	68.88	50.92
78.0	139.9	123.7	79.91	36.31	55.32	82.88	94.45	85.53	60.07	38.44
81.0	131.4	115.5	71.21	25.04	47.53	75.71	87.17	78.29	51.97	26.58
84.0	123.2	107.5	63.24	15.02	40.57	68.96	80.00	71.34	44.56	16.01
87.0	115.3	99.94	55.99	6.898	34.24	62.62	73.49	64.84	37.95	7.365
90.0	107.7	92.51	49.33	1.713	28.73	56.58	67.34	58.69	32.11	1.762
93.0	100.2	85.40	43.42	0.5375	23.99	51.01	61.49	52.94	26.96	0.4707
96.0	92.96	78.47	38.06	0.6465	19.98	45.90	56.00	47.63	22.59	0.5675
99.0	86.03	72.10	33.16	0.7760	16.62	41.13	50.87	42.73	18.90	0.6502
102.0	79.42	66.14	28.90	0.9073	13.34	36.78	46.07	37.97	15.42	0.7902
105.0	73.18	60.51	23.68	1.015	10.79	32.79	41.62	33.92	12.41	0.9023
108.0	67.20	55.23	21.23	1.118	9.247	29.02	37.46	29.83	10.59	1.019
111.0	61.56	49.13	19.07	1.224	7.983	24.52	32.92	25.69	9.130	1.120
114.0	55.18	44.22	17.33	1.337	6.949	21.80	29.24	22.75	7.902	1.240
117.0	50.34	40.22	15.28	1.453	6.029	19.37	25.99	20.10	6.859	1.358
120.0	45.79	36.49	13.28	1.577	5.359	17.19	23.07	17.71	5.995	1.480
123.0	41.56	33.04	11.67	1.707	4.817	15.22	20.42	15.59	5.275	1.598
126.0	37.38	29.85	10.42	1.829	4.373	13.39	18.00	13.68	4.694	1.715
129.0	33.69	26.14	8.759	1.943	4.019	11.73	15.82	11.93	4.249	1.824
132.0	30.30	22.09	8.222	2.056	3.713	10.24	13.82	10.36	3.884	1.926
135.0	26.88	19.00	7.581	2.156	3.418	8.883	11.96	8.966	3.571	2.026
138.0	24.04	16.45	6.991	2.239	3.166	7.725	10.29	7.737	3.285	2.126
141.0	21.43	14.04	6.457	2.326	2.937	6.741	8.808	6.734	3.018	2.215
144.0	19.00	12.06	6.000	2.448	2.764	5.894	7.522	5.853	2.787	2.309
147.0	16.78	10.43	5.604	2.561	2.745	5.184	6.441	5.103	2.662	2.434
150.0	14.79	8.741	5.277	2.639	2.778	4.549	5.515	4.435	2.681	2.516
153.0	12.99	7.895	5.070	2.712	2.820	3.977	4.712	3.870	2.705	2.585
156.0	10.87	6.974	4.956	2.799	2.884	3.488	3.996	3.368	2.749	2.657
159.0	9.772	6.179	4.377	2.872	2.941	3.126	3.406	3.039	2.807	2.739
162.0	8.555	5.340	4.186	2.934	2.989	3.068	3.013	2.995	2.870	2.817
165.0	7.133	4.929	4.039	2.988	3.039	3.062	2.947	3.004	2.935	2.887
168.0	4.555	4.282	3.849	3.009	3.069	3.060	2.960	3.051	3.009	2.948
171.0	3.700	3.936	3.354	3.051	3.121	3.088	3.010	3.087	3.070	3.008
174.0	3.326	3.304	3.130	3.085	3.112	3.131	3.049	3.131	3.080	3.066
177.0	3.089	3.102	3.109	3.115	3.132	3.118	3.074	3.113	3.109	3.107
180.0	3.096	3.099	3.119	3.128	3.133	3.115	3.097	3.104	3.118	3.128
G/C	300.0	330.0								
0.0	273.0	273.2								
3.0	273.7	274.6								
6.0	273.6	275.2								
9.0	272.7	275.2								
12.0	270.7	274.5								
15.0	268.0	272.9								
18.0	264.3	270.6								
21.0	259.7	267.6								
24.0	254.3	264.1								
27.0	248.2	259.7								
30.0	241.3	254.7								

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:

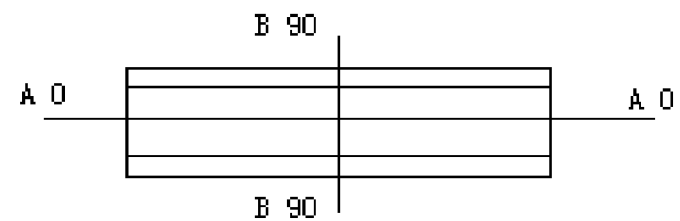
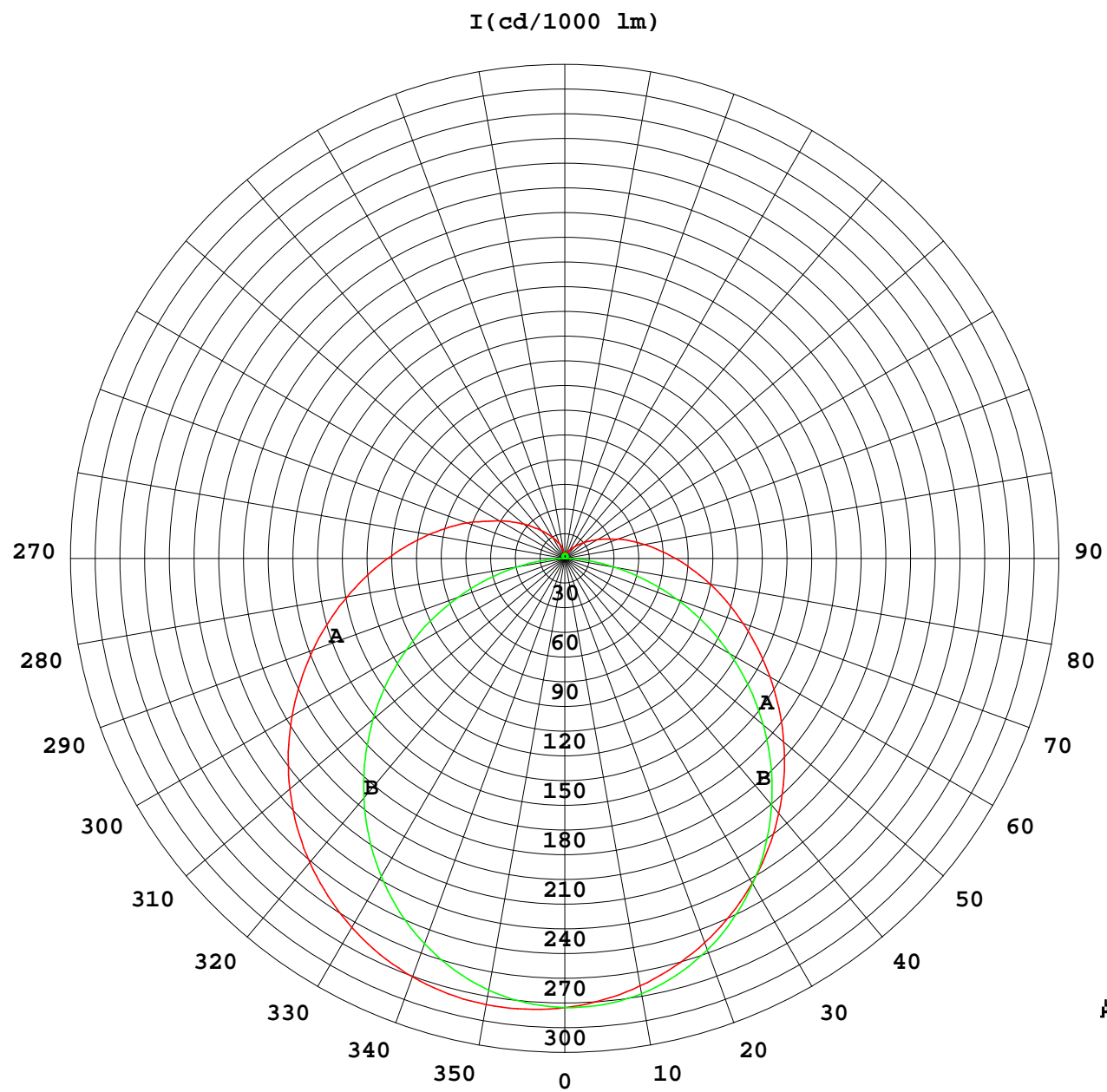
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	233.7	249.1
36.0	225.5	243.1
39.0	216.7	236.3
42.0	207.5	229.0
45.0	197.7	221.4
48.0	187.5	213.3
51.0	177.1	205.1
54.0	166.5	196.4
57.0	155.5	187.4
60.0	144.7	178.6
63.0	133.8	169.4
66.0	122.8	160.2
69.0	112.1	151.2
72.0	101.5	142.2
75.0	91.49	133.3
78.0	81.44	124.6
81.0	72.34	116.1
84.0	63.77	108.0
87.0	56.01	100.0
90.0	48.84	92.22
93.0	41.72	84.59
96.0	35.30	77.51
99.0	30.72	71.01
102.0	26.87	64.75
105.0	22.16	59.17
108.0	19.89	53.97
111.0	17.46	47.67
114.0	14.35	43.30
117.0	13.81	39.26
120.0	12.35	35.50
123.0	10.98	32.10
126.0	9.836	29.07
129.0	8.820	25.46
132.0	7.956	22.24
135.0	7.241	18.64
138.0	6.645	15.64
141.0	6.152	13.69
144.0	5.696	11.69
147.0	5.326	10.16
150.0	4.847	8.868
153.0	4.773	7.708
156.0	4.462	6.746
159.0	4.318	5.909
162.0	4.088	5.099
165.0	3.993	4.808
168.0	3.511	4.267
171.0	3.283	4.005
174.0	3.087	3.276
177.0	3.108	3.106
180.0	3.131	3.116

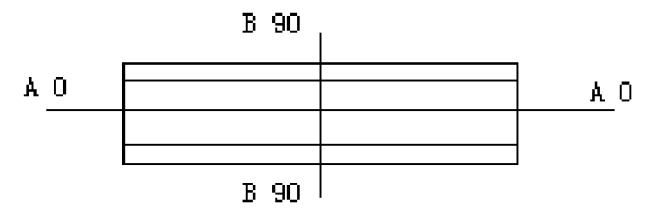
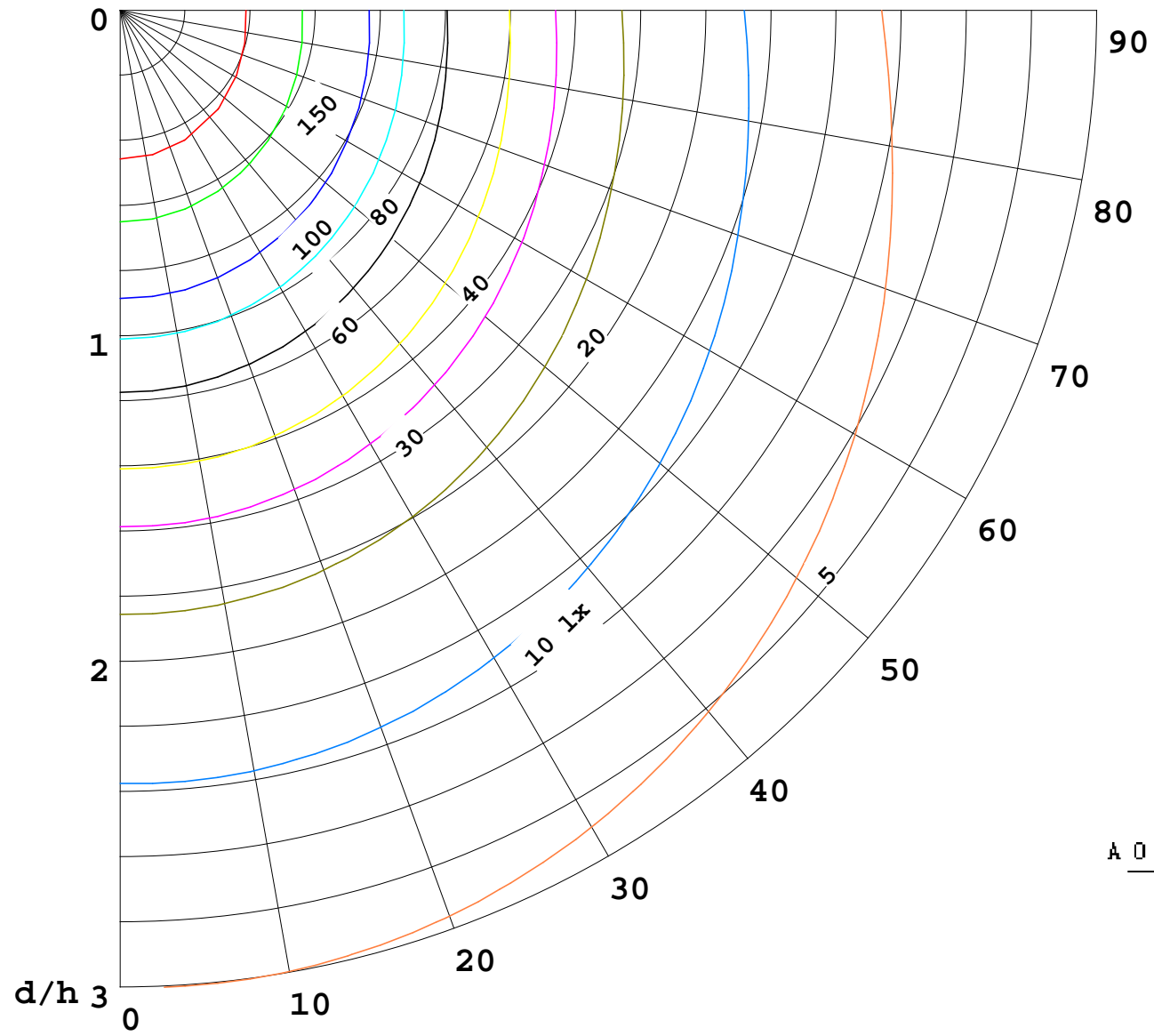
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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

