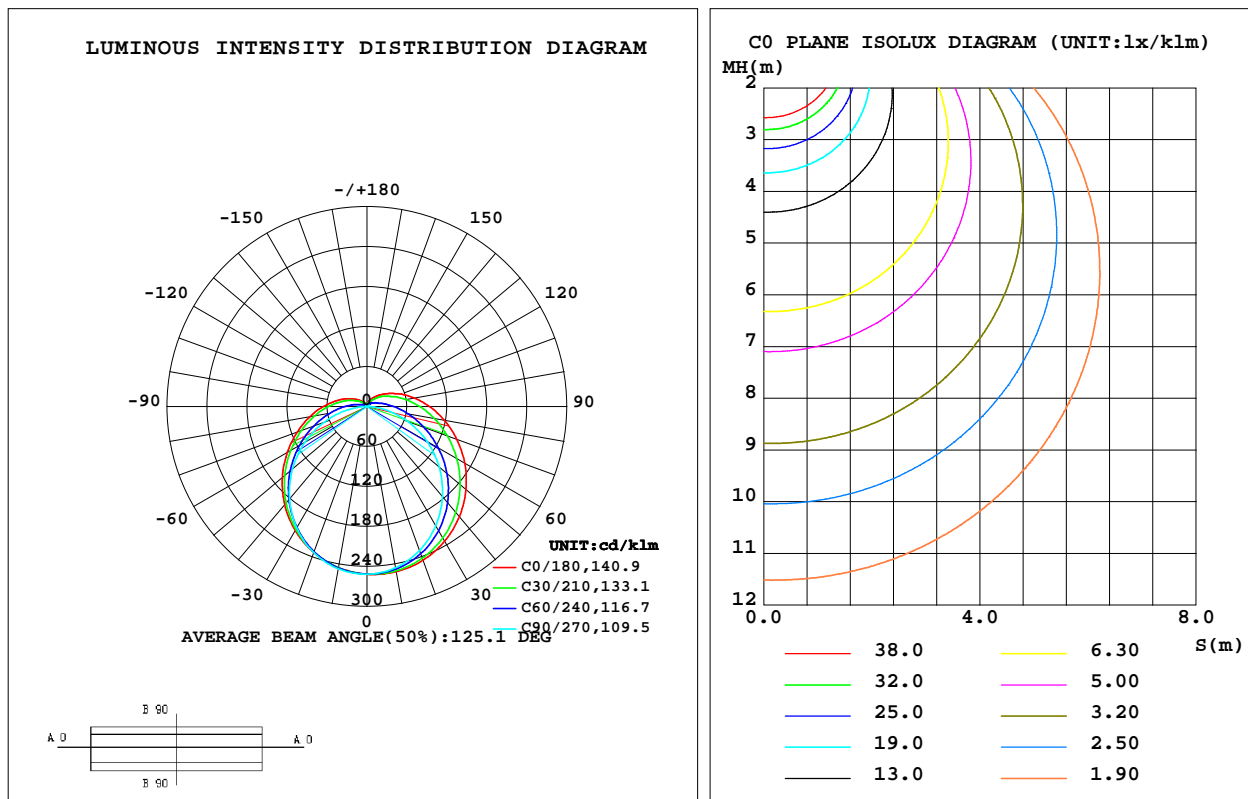


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.47 lm/W			
MODEL		I _{max} (cd/klm)	252.7	S/MH(C0/180)	1.28
NOMINAL POWER(W)	18	LOR(%)	98.2	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	981.91	h UP,DN(C0-180)	6.4,43.4
NOMINAL FLUX(lm)	2213.56	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.5,42.8
LAMPS INSIDE	1	h up(%)	12.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	86.2	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	251.8	249.1	245.9	244.9	245.5	245.9	247.5	250.7	0- 10	23.83	23.83	2.43,2.38
20	245.7	238.9	230.3	230.2	233.2	232.4	233.4	241.4	10- 20	68.51	92.34	9.4,9.23
30	233.3	221.4	206.5	208.6	215.3	211.9	210.8	224.5	20- 30	104.6	197.0	20.1,19.7
40	215.9	197.8	176.2	181.9	192.2	185.6	180.9	201.0	30- 40	128.1	325.1	33.1,32.5
50	194.2	169.9	141.6	151.9	166.0	156.0	146.1	172.8	40- 50	136.9	462.0	47.1,46.2
60	169.4	139.6	103.8	120.7	138.2	124.8	107.7	142.0	50- 60	131.4	593.5	60.4,59.3
70	143.3	109.5	64.15	90.69	111.2	94.45	67.71	111.1	60- 70	114.3	707.7	72.1,70.8
80	117.6	82.32	26.57	64.25	86.55	67.56	28.59	82.67	70- 80	89.95	797.7	81.2,79.8
90	93.99	59.84	1.346	43.24	65.72	45.85	1.654	59.44	80- 90	64.37	862.1	87.8,86.2
100	72.94	42.96	0.6318	27.97	48.36	29.70	0.5534	41.26	90-100	44.32	906.4	92.3,90.6
110	55.17	30.09	0.9878	17.05	34.18	18.16	0.8908	28.76	100-110	29.92	936.3	95.4,93.6
120	39.56	21.33	1.350	10.96	22.71	11.55	1.270	20.42	110-120	19.27	955.6	97.3,95.6
130	28.28	14.44	1.724	7.129	14.70	7.333	1.617	14.28	120-130	12.17	967.7	98.6,96.8
140	19.49	9.614	2.015	4.576	8.775	4.630	1.921	8.887	130-140	7.050	974.8	99.3,97.5
150	13.11	6.416	2.324	3.240	5.007	3.157	2.219	6.058	140-150	3.847	978.6	99.7,97.9
160	8.358	4.697	2.559	2.657	2.850	2.569	2.454	4.388	150-160	2.025	980.7	99.9,98.1
170	3.475	3.334	2.692	2.729	2.638	2.704	2.655	3.340	160-170	0.9648	981.6	100,98.2
180	2.754	2.762	2.778	2.773	2.751	2.762	2.779	2.770	170-180	0.2727	981.9	100,98.2
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

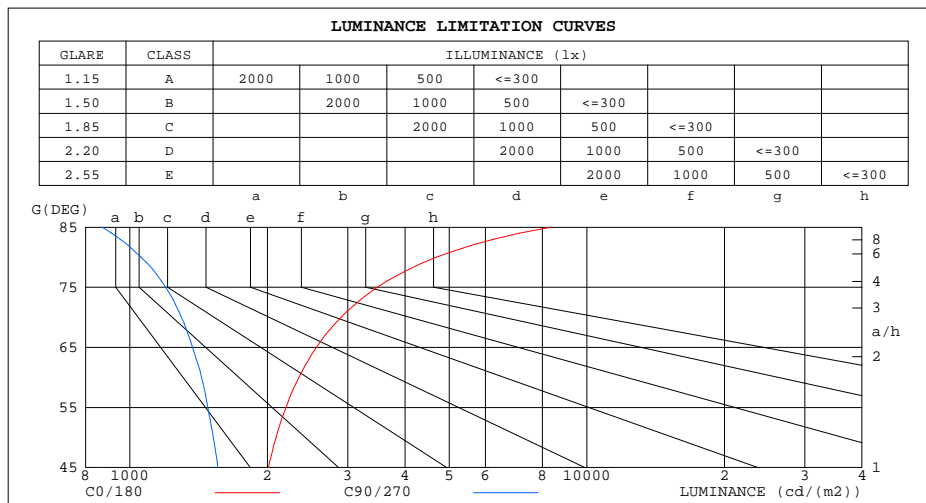
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8371	869
80	4685	1059
75	3481	1197
70	2898	1297
65	2559	1372
60	2343	1436
55	2196	1483
50	2089	1524
45	2010	1559

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

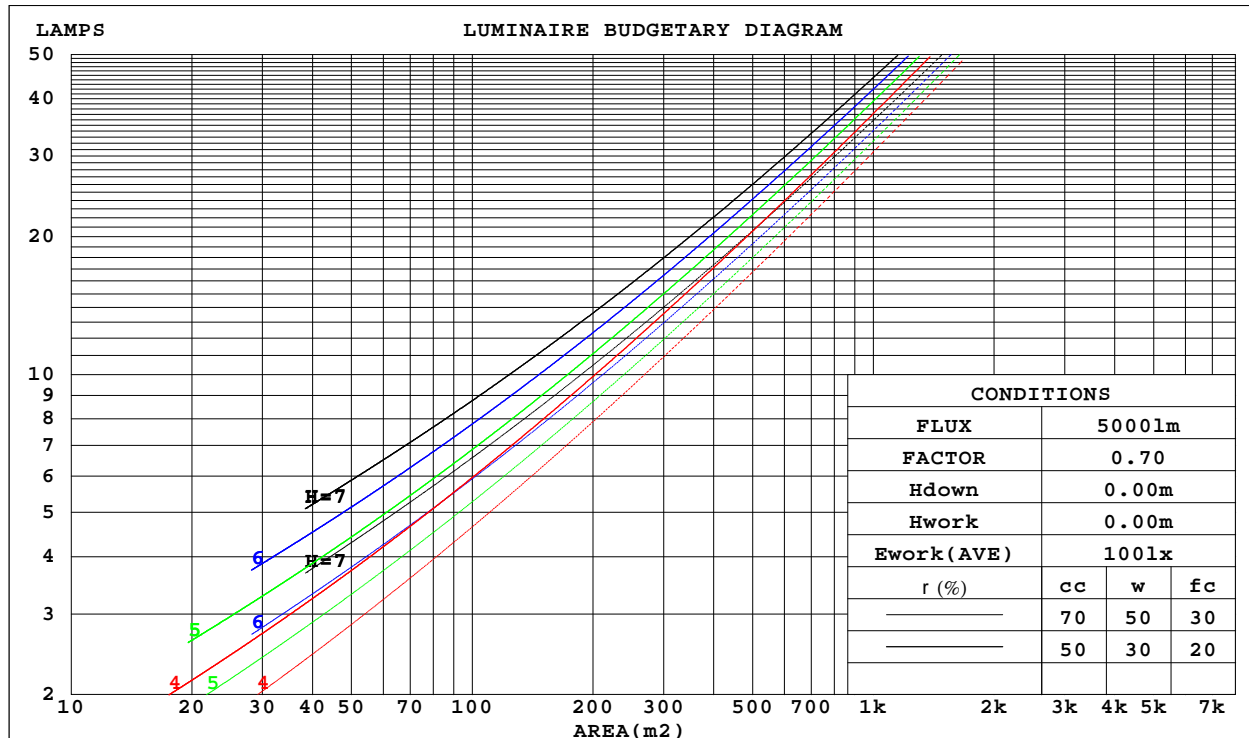
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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	1.02	1.02	1.02	.96	.96	.96	.89	.89	.89	.86
1.0	.96	.91	.86	.92	.88	.84	.86	.82	.79	.80	.77	.74	.75	.72	.70	.67
2.0	.82	.75	.68	.79	.73	.67	.74	.68	.63	.69	.64	.60	.64	.60	.57	.54
3.0	.72	.63	.56	.69	.61	.55	.64	.58	.52	.60	.54	.50	.56	.51	.47	.45
4.0	.63	.54	.47	.61	.52	.46	.57	.50	.44	.53	.47	.42	.50	.44	.40	.38
5.0	.56	.47	.40	.54	.46	.39	.51	.43	.38	.48	.41	.36	.44	.39	.35	.32
6.0	.50	.41	.35	.49	.40	.34	.46	.38	.33	.43	.36	.31	.40	.35	.30	.28
7.0	.45	.37	.30	.44	.36	.30	.41	.34	.29	.39	.33	.28	.37	.31	.27	.25
8.0	.41	.33	.27	.40	.32	.26	.38	.31	.26	.36	.29	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.21	.20
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.21	.30	.24	.20	.29	.23	.19	.18



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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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	.365	.208	.066	.355	.202	.064	.335	.192	.061	.316	.182	.059	.299	.173	.056	
2.0	.320	.176	.054	.311	.171	.053	.293	.163	.051	.276	.155	.048	.261	.147	.046	
3.0	.287	.153	.046	.278	.149	.045	.262	.142	.043	.247	.135	.041	.233	.129	.040	
4.0	.259	.135	.040	.251	.131	.039	.237	.125	.037	.223	.120	.036	.210	.114	.035	
5.0	.236	.120	.035	.229	.118	.034	.216	.112	.033	.203	.107	.032	.192	.103	.031	
6.0	.217	.109	.031	.210	.106	.031	.198	.102	.030	.187	.097	.029	.177	.093	.028	
7.0	.200	.099	.028	.195	.097	.028	.184	.093	.027	.173	.089	.026	.164	.085	.025	
8.0	.186	.091	.026	.181	.089	.025	.171	.085	.024	.161	.082	.024	.152	.078	.023	
9.0	.174	.084	.023	.169	.082	.023	.160	.079	.022	.151	.076	.022	.143	.073	.021	
10.0	.163	.078	.022	.158	.076	.021	.150	.073	.021	.142	.070	.020	.134	.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	.278	.278	.278	.238	.238	.238	.162	.162	.162	.093	.093	.093	.030	.030	.030	
1.0	.273	.245	.219	.234	.210	.189	.160	.145	.130	.092	.084	.076	.029	.027	.025	
2.0	.266	.222	.185	.228	.191	.160	.156	.132	.111	.090	.077	.065	.029	.025	.021	
3.0	.259	.206	.163	.222	.177	.141	.152	.123	.099	.088	.072	.058	.028	.023	.019	
4.0	.251	.193	.149	.215	.167	.129	.148	.116	.091	.086	.068	.054	.028	.022	.018	
5.0	.244	.183	.139	.209	.159	.121	.144	.111	.085	.083	.065	.051	.027	.021	.017	
6.0	.236	.175	.132	.203	.152	.115	.140	.106	.081	.081	.063	.048	.026	.020	.016	
7.0	.229	.169	.126	.197	.146	.110	.136	.103	.078	.079	.060	.046	.026	.020	.015	
8.0	.223	.163	.122	.192	.142	.107	.133	.099	.076	.077	.059	.045	.025	.019	.015	
9.0	.217	.158	.119	.187	.138	.104	.129	.097	.074	.075	.057	.044	.024	.019	.015	
10.0	.211	.154	.117	.182	.134	.102	.126	.094	.072	.074	.056	.043	.024	.018	.014	

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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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	15.3	16.8	15.8	17.2	17.6	13.4	14.8	13.8	15.2	15.7	
	3H	17.9	19.2	18.3	19.6	20.1	14.9	16.2	15.4	16.7	17.2
	4H	19.2	20.5	19.7	21.0	21.5	15.5	16.8	16.0	17.3	17.8
	6H	20.8	21.9	21.3	22.4	23.0	16.0	17.2	16.5	17.7	18.2
	8H	21.6	22.8	22.1	23.3	23.8	16.2	17.3	16.7	17.8	18.4
	12H	22.6	23.7	23.1	24.2	24.8	16.2	17.4	16.8	17.9	18.4
4H	2H	15.9	17.1	16.4	17.6	18.1	14.4	15.7	14.9	16.2	16.7
	3H	18.7	19.8	19.2	20.3	20.8	16.2	17.3	16.7	17.8	18.4
	4H	20.2	21.3	20.8	21.8	22.4	17.0	18.1	17.6	18.6	19.2
	6H	22.0	22.9	22.6	23.4	24.1	17.7	18.6	18.3	19.2	19.8
	8H	22.9	23.8	23.5	24.4	25.0	18.0	18.8	18.5	19.4	20.0
	12H	24.1	24.9	24.7	25.4	26.1	18.1	18.9	18.7	19.5	20.2
8H	4H	20.6	21.4	21.2	22.0	22.6	18.0	18.8	18.6	19.4	20.1
	6H	22.6	23.3	23.2	23.9	24.6	19.0	19.7	19.6	20.3	21.0
	8H	23.8	24.4	24.4	25.1	25.8	19.5	20.1	20.1	20.7	21.4
	12H	25.2	25.7	25.8	26.4	27.1	19.8	20.4	20.5	21.0	21.8
12H	4H	20.6	21.4	21.2	22.0	22.6	18.3	19.1	18.9	19.7	20.3
	6H	22.7	23.4	23.4	24.0	24.7	19.5	20.2	20.2	20.8	21.5
	8H	24.0	24.6	24.7	25.2	26.0	20.1	20.7	20.8	21.4	22.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 2214 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.8$)

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

UTILIZATION FACTORS TABLE

Test:U:120.23V I:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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	50	38	30	49	37	30	47	36	30	23
0.80	59	46	39	57	46	38	55	45	38	30
1.00	66	54	46	65	53	46	62	54	45	37
1.25	73	61	53	71	60	53	68	58	51	43
1.50	78	67	59	76	65	58	72	63	56	47
2.00	85	75	67	83	73	66	78	70	64	53
2.50	90	80	73	87	78	71	81	74	68	57
3.00	93	84	78	90	82	76	84	78	73	61
4.00	98	90	84	94	88	82	88	83	78	66
5.00	100	94	89	97	91	86	90	86	82	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

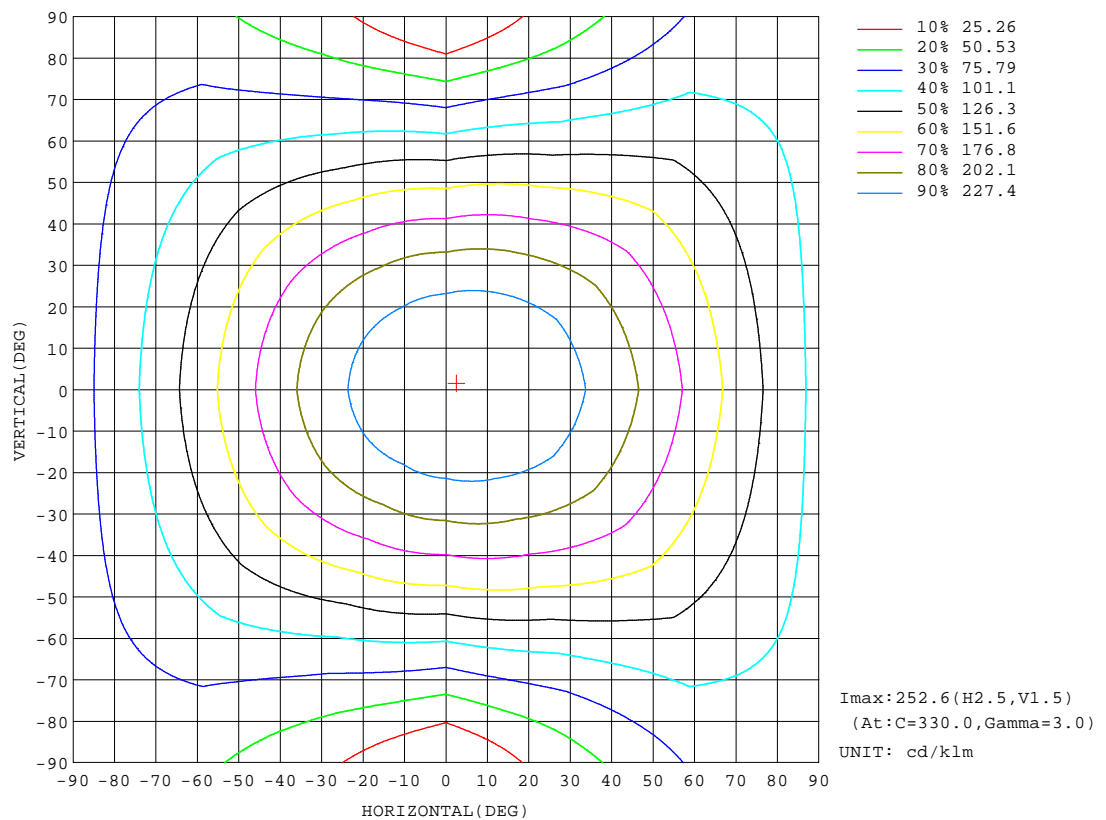
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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

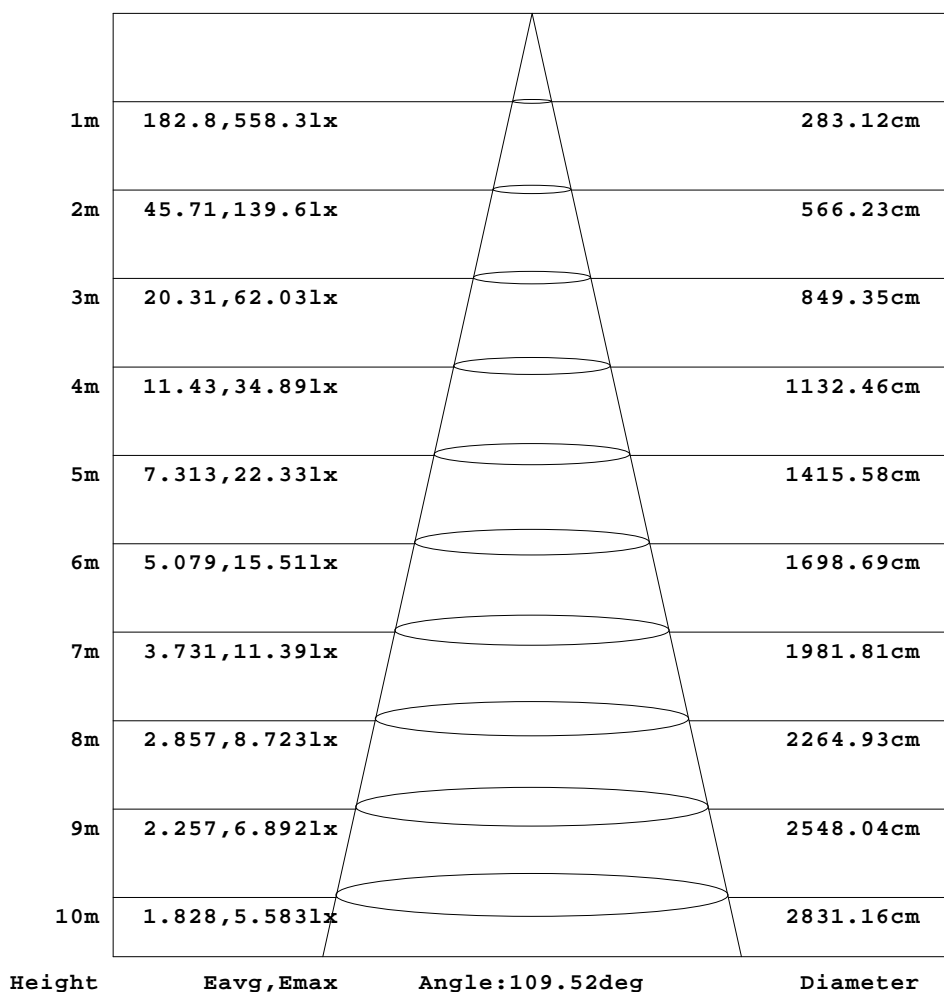
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.23V I:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1172 lm



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

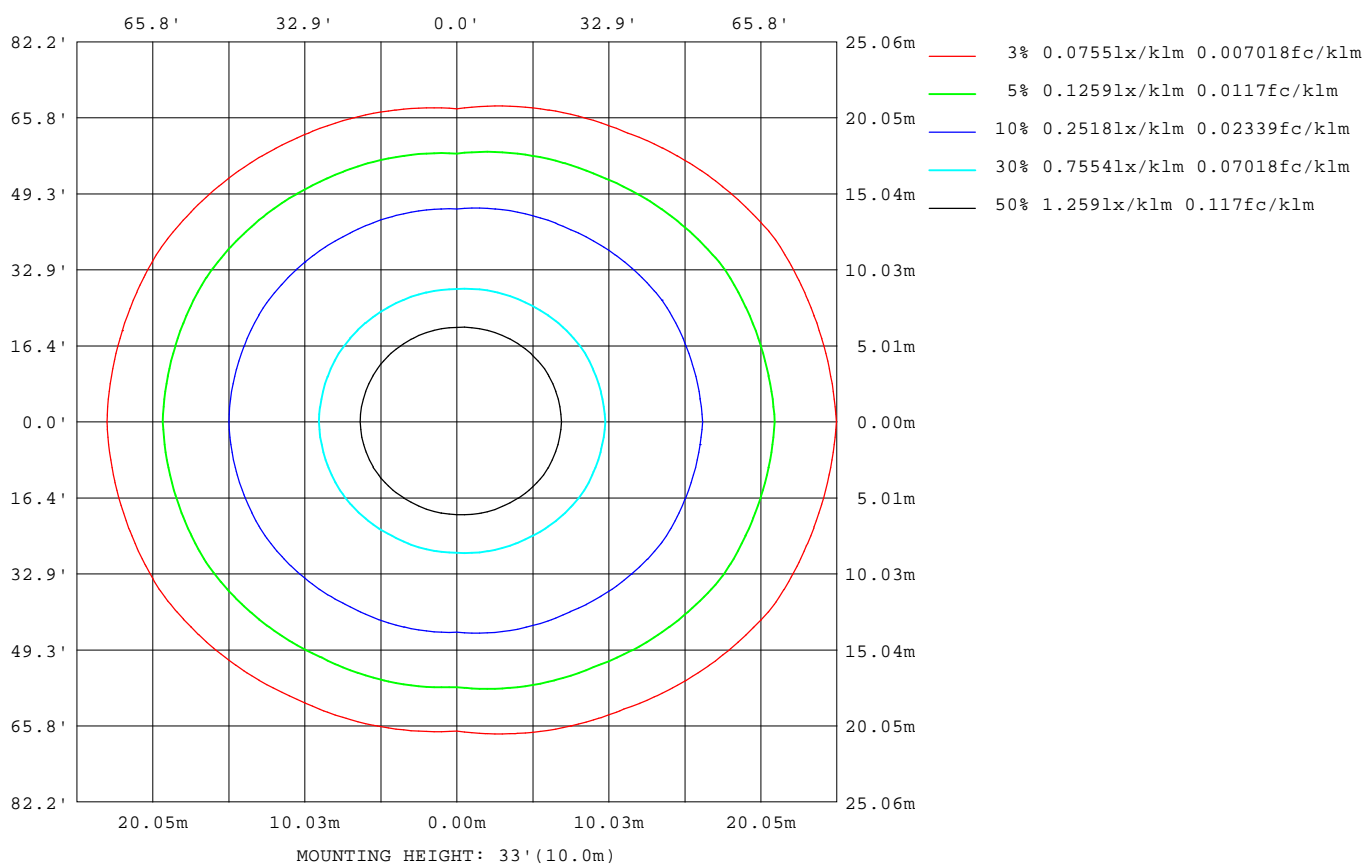
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-18

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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

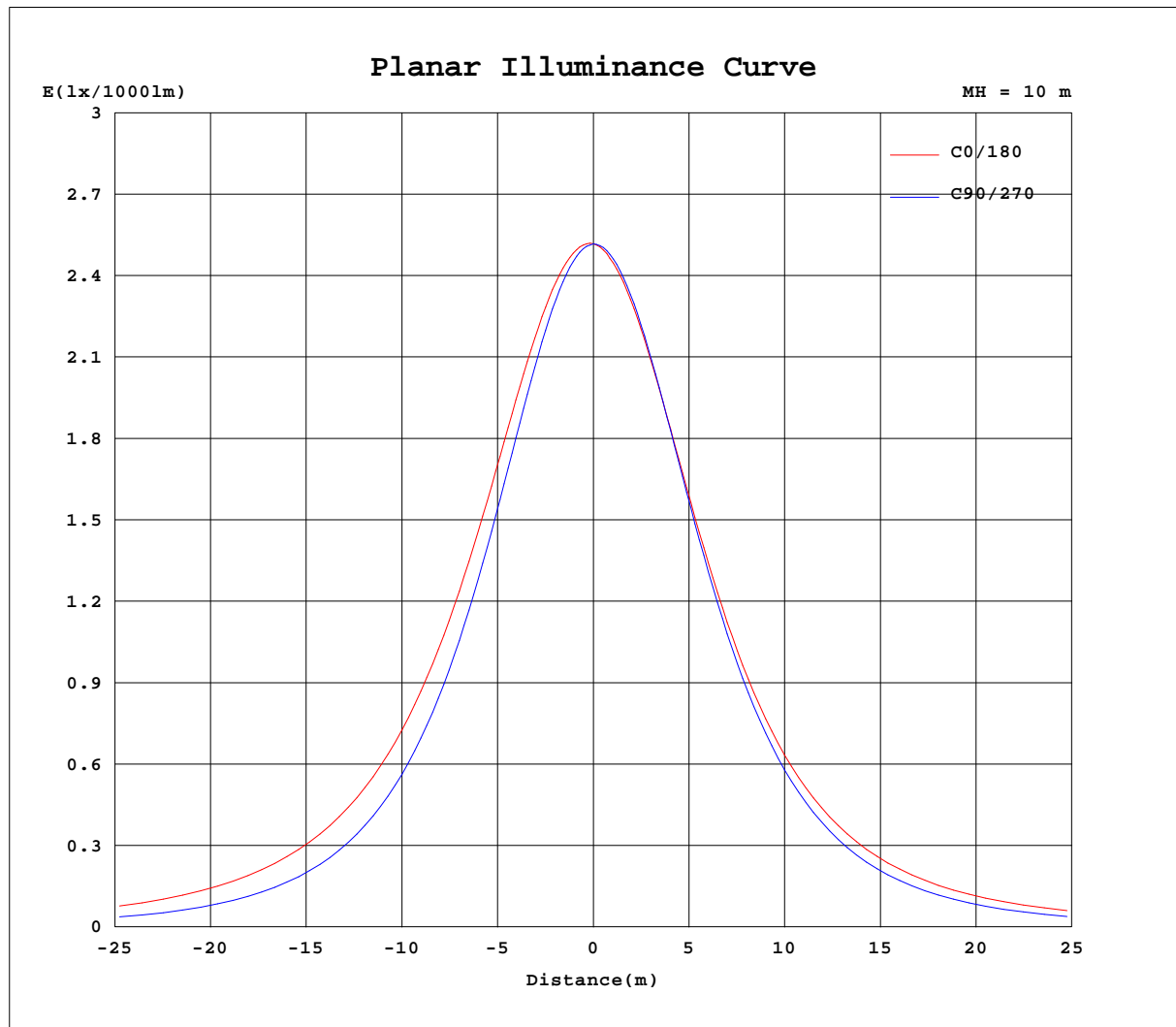
AvgL	cd/m2
L_0~180(65)av	2298
L_0~180(75)av	3059
L_0~180(85)av	7189
L_90~270(65)av	1405
L_90~270(75)av	1237
L_90~270(85)av	918
L_45(65)av	1912
L_45(75)av	2355
L_45(85)av	5070

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:0.1610A P:18.503W PF:0.9556 Freq:50.80Hz Lamp Flux:2213.56x1 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	252	252	251	252	252	252	252	252	251	252	252	252					
5	253	252	251	250	249	249	249	250	250	251	252	253					
10	252	250	248	246	245	245	246	246	246	247	250	252					
15	250	247	243	239	238	239	240	240	240	242	245	249					
20	246	242	235	230	229	232	233	233	232	233	239	244					
25	240	236	226	219	218	222	225	224	222	223	230	238					
30	233	228	215	207	206	212	215	213	210	211	219	230					
35	225	218	202	192	192	200	204	202	197	197	207	220					
40	216	207	188	176	177	187	192	189	182	181	193	209					
45	206	195	173	159	161	173	179	175	167	164	178	197					
50	194	183	157	142	145	159	166	161	151	146	161	184					
55	182	169	140	123	128	144	152	147	134	127	144	171					
60	169	156	124	104	112	130	138	132	117	108	127	157					
65	156	142	107	83.8	95.1	116	124	118	101	87.8	110	143					
70	143	128	90.8	64.1	79.3	102	111	104	84.5	67.7	93.3	129					
75	130	115	75.8	44.8	64.6	89.0	98.7	91.5	69.5	47.7	77.2	115					
80	118	102	62.2	26.6	51.4	77.1	86.5	79.4	55.7	28.6	62.8	102					
85	105	90.5	50.4	11.0	39.7	66.3	75.7	68.4	43.7	12.2	50.4	90.4					
90	94.0	79.3	40.3	1.35	30.1	56.4	65.7	58.3	33.4	1.65	39.9	79.0					
95	83.1	69.3	32.4	0.47	22.2	47.5	56.6	49.2	25.0	0.39	30.4	68.2					
100	72.9	60.1	25.8	0.63	16.2	39.7	48.4	40.9	18.5	0.55	23.8	58.7					
105	63.6	51.8	19.3	0.82	10.9	32.8	41.0	33.8	12.7	0.73	18.0	50.3					
110	55.2	44.0	16.2	0.99	8.31	25.8	34.2	26.7	9.57	0.89	15.2	42.3					
115	46.5	36.7	13.9	1.16	6.38	20.8	27.7	21.6	7.34	1.08	12.0	35.6					
120	39.6	31.3	11.3	1.35	5.00	16.9	22.7	17.4	5.66	1.27	10.4	30.4					
125	33.6	26.6	9.45	1.54	4.09	13.6	18.4	13.9	4.48	1.44	8.70	25.8					
130	28.3	21.4	7.48	1.72	3.48	10.8	14.7	11.0	3.70	1.62	7.36	21.2					
135	23.4	16.7	6.84	1.88	3.00	8.40	11.5	8.49	3.16	1.77	6.34	16.0					
140	19.5	13.2	6.04	2.01	2.62	6.53	8.77	6.54	2.72	1.92	5.59	12.2					
145	16.0	10.4	5.39	2.18	2.38	5.14	6.63	5.09	2.38	2.06	4.96	9.66					
150	13.1	7.98	4.85	2.32	2.42	4.06	5.01	3.97	2.35	2.22	4.33	7.78					
155	10.4	6.70	4.59	2.44	2.51	3.21	3.77	3.11	2.40	2.33	4.09	6.23					
160	8.36	5.48	3.91	2.56	2.60	2.71	2.85	2.65	2.49	2.45	3.78	5.00					
165	6.47	4.52	3.66	2.65	2.68	2.69	2.58	2.64	2.59	2.56	3.60	4.30					
170	3.48	3.66	3.01	2.69	2.75	2.71	2.64	2.71	2.70	2.66	2.95	3.73					
175	2.92	2.95	2.76	2.75	2.77	2.78	2.71	2.78	2.74	2.74	2.75	2.86					
180	2.75	2.76	2.77	2.78	2.78	2.76	2.75	2.76	2.77	2.78	2.78	2.76					

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	251.8	251.6	251.5	251.8	251.7	252.0	251.8	251.6	251.5	251.8
3.0	252.4	251.8	251.3	251.0	250.6	250.7	250.5	250.6	250.8	251.5
6.0	252.5	251.8	250.5	249.3	248.5	248.7	248.8	248.9	249.4	250.3
9.0	252.0	250.9	248.6	246.8	245.6	246.2	246.6	246.5	246.9	248.3
12.0	251.1	249.4	246.1	243.5	242.1	243.0	243.5	243.5	243.9	245.4
15.0	249.5	247.3	242.7	239.2	237.8	239.1	240.2	240.0	240.1	241.7
18.0	247.4	244.6	238.6	234.1	232.6	234.7	236.2	235.8	235.4	237.0
21.0	244.7	241.2	233.8	228.4	226.7	229.7	231.8	231.0	230.1	231.5
24.0	241.4	237.2	228.2	221.7	220.3	224.2	226.8	225.7	224.1	225.5
27.0	237.6	232.7	221.9	214.4	213.3	218.1	221.3	219.9	217.6	218.5
30.0	233.3	227.7	215.1	206.5	205.7	211.5	215.3	213.5	210.2	210.8
33.0	228.6	222.2	207.8	198.1	197.6	204.6	208.9	206.6	202.5	202.5
36.0	223.4	216.1	199.7	189.1	189.1	197.3	202.1	199.3	194.1	193.5
39.0	217.9	209.5	191.3	179.6	180.1	189.4	194.7	191.5	185.3	184.2
42.0	211.9	202.6	182.4	169.7	170.9	181.3	187.2	183.7	176.3	174.3
45.0	205.5	195.3	173.1	159.4	161.3	172.9	179.5	175.5	166.9	163.9
48.0	198.8	187.8	163.5	148.8	151.6	164.5	171.3	167.0	157.1	153.2
51.0	191.7	180.1	153.6	137.9	141.6	155.9	163.2	158.5	147.4	142.3
54.0	184.5	172.0	143.7	126.7	131.6	147.1	154.9	149.7	137.4	131.0
57.0	177.0	163.9	133.5	115.3	121.6	138.4	146.4	141.0	127.2	119.4
60.0	169.4	155.7	123.5	103.8	111.5	129.8	138.2	132.3	117.3	107.7
63.0	161.6	147.3	113.4	91.84	101.6	121.3	129.9	123.7	107.3	95.75
66.0	153.7	139.1	103.5	79.85	91.76	112.9	121.7	115.2	97.57	83.70
69.0	145.9	131.1	93.92	68.18	82.37	104.8	113.9	107.1	87.66	71.71
72.0	138.1	123.0	84.65	56.37	73.23	96.93	106.1	99.08	78.37	59.64
75.0	130.3	115.1	75.75	44.80	64.59	88.95	98.67	91.45	69.46	47.74
78.0	122.7	107.5	67.50	33.76	56.56	81.76	91.29	84.17	61.05	36.04
81.0	115.2	100.1	59.72	23.18	48.98	74.90	84.31	77.22	53.20	25.05
84.0	107.8	92.94	52.58	13.78	42.06	68.37	77.78	70.51	45.95	15.14
87.0	100.8	85.84	46.22	6.159	35.70	62.26	71.57	64.24	39.35	6.991
90.0	93.99	79.34	40.35	1.346	30.08	56.40	65.72	58.29	33.41	1.654
93.0	87.38	73.14	35.34	0.3757	25.13	50.92	60.16	52.68	28.14	0.3327
96.0	81.00	67.36	30.96	0.4832	20.90	45.86	54.86	47.49	23.56	0.4206
99.0	74.91	61.81	27.03	0.6001	17.28	41.15	49.91	42.53	19.66	0.4920
102.0	69.08	56.59	23.57	0.7188	13.72	36.80	45.31	37.93	15.92	0.6248
105.0	63.61	51.77	19.30	0.8201	10.93	32.80	40.97	33.84	12.70	0.7278
108.0	58.40	47.23	17.37	0.9183	9.258	29.01	36.88	29.75	10.68	0.8369
111.0	53.50	42.06	15.71	1.018	7.882	24.46	32.47	25.55	9.073	0.9318
114.0	47.96	37.91	14.43	1.124	6.749	21.64	28.83	22.57	7.738	1.046
117.0	43.61	34.52	12.87	1.238	5.750	19.16	25.64	19.86	6.597	1.158
120.0	39.56	31.32	11.34	1.350	5.001	16.92	22.71	17.44	5.657	1.270
123.0	35.91	28.41	10.09	1.467	4.413	14.90	20.06	15.28	4.894	1.373
126.0	32.47	25.73	9.137	1.577	3.949	13.02	17.62	13.31	4.293	1.479
129.0	29.28	22.67	7.740	1.683	3.588	11.32	15.40	11.53	3.832	1.582
132.0	26.37	19.32	7.340	1.790	3.280	9.783	13.39	9.914	3.468	1.677
135.0	23.43	16.74	6.842	1.880	2.995	8.397	11.50	8.485	3.161	1.772
138.0	20.99	14.59	6.350	1.960	2.762	7.207	9.803	7.240	2.892	1.863
141.0	18.75	12.53	5.903	2.040	2.555	6.214	8.308	6.212	2.645	1.946
144.0	16.68	10.85	5.507	2.148	2.400	5.379	7.004	5.347	2.433	2.032
147.0	14.79	9.463	5.161	2.251	2.388	4.672	5.925	4.609	2.327	2.146
150.0	13.11	7.978	4.854	2.324	2.421	4.058	5.007	3.966	2.347	2.219
153.0	11.58	7.232	4.658	2.393	2.464	3.520	4.227	3.425	2.368	2.288
156.0	9.735	6.419	4.524	2.469	2.527	3.069	3.554	2.962	2.412	2.353
159.0	8.811	5.705	3.978	2.537	2.581	2.739	3.005	2.662	2.468	2.426
162.0	7.761	4.919	3.797	2.594	2.635	2.690	2.640	2.621	2.529	2.500
165.0	6.473	4.521	3.658	2.646	2.684	2.690	2.584	2.637	2.591	2.562
168.0	4.118	3.884	3.443	2.667	2.713	2.698	2.602	2.684	2.656	2.614
171.0	3.347	3.560	3.015	2.705	2.768	2.722	2.657	2.722	2.714	2.670
174.0	2.958	2.969	2.776	2.738	2.757	2.768	2.695	2.766	2.727	2.722
177.0	2.751	2.766	2.766	2.765	2.779	2.759	2.724	2.758	2.759	2.758
180.0	2.754	2.755	2.770	2.778	2.782	2.763	2.751	2.755	2.768	2.779
G/C	300.0	330.0								
0.0	251.7	252.0								
3.0	252.1	252.7								
6.0	251.7	252.5								
9.0	250.4	252.0								
12.0	248.3	250.7								
15.0	245.4	248.8								
18.0	241.7	246.2								
21.0	237.2	242.9								
24.0	232.0	239.1								
27.0	226.0	234.6								
30.0	219.4	229.6								

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

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

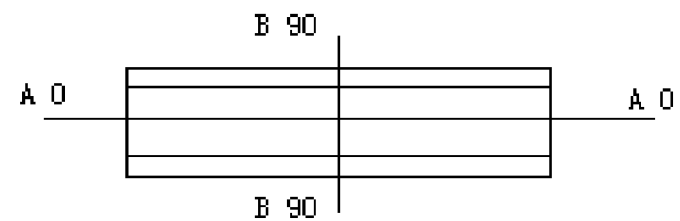
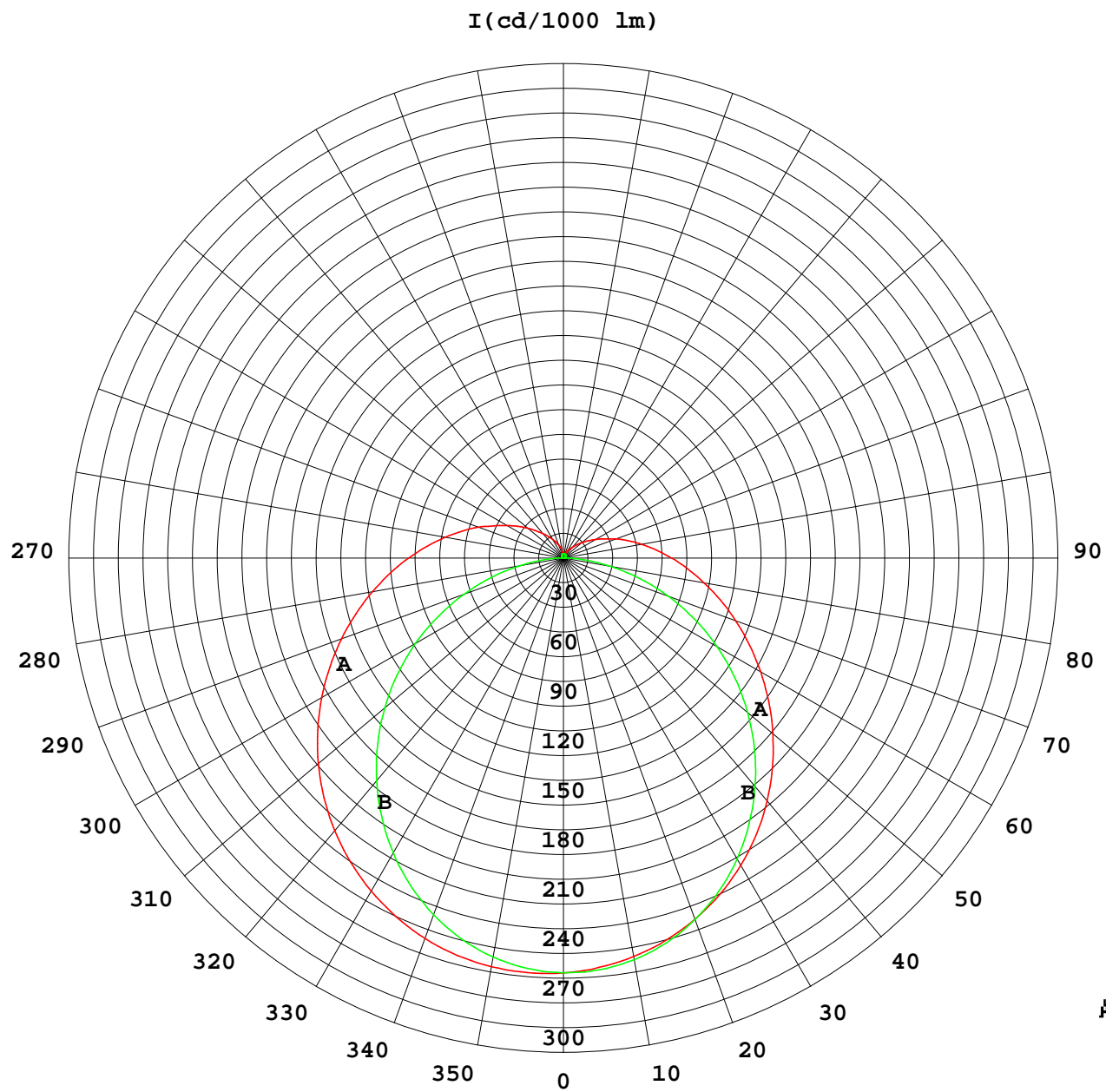
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd/klm]

33.0	212.2	224.0
36.0	204.3	218.1
39.0	195.6	211.5
42.0	186.9	204.6
45.0	177.5	197.3
48.0	167.9	189.6
51.0	158.0	181.8
54.0	147.8	173.6
57.0	137.4	165.3
60.0	127.1	156.9
63.0	116.7	148.5
66.0	106.5	140.0
69.0	96.65	131.7
72.0	86.47	123.4
75.0	77.18	115.4
78.0	68.41	107.6
81.0	60.24	100.1
84.0	52.67	92.73
87.0	45.91	85.78
90.0	39.85	79.03
93.0	34.06	72.40
96.0	28.64	66.14
99.0	24.90	60.50
102.0	21.79	55.15
105.0	17.97	50.32
108.0	16.24	45.90
111.0	14.41	40.42
114.0	11.93	36.73
117.0	11.60	33.46
120.0	10.44	30.40
123.0	9.337	27.59
126.0	8.398	25.02
129.0	7.602	21.98
132.0	6.933	19.17
135.0	6.335	16.04
138.0	5.854	13.49
141.0	5.457	11.85
144.0	5.076	10.16
147.0	4.759	8.855
150.0	4.331	7.784
153.0	4.283	6.803
156.0	4.005	5.966
159.0	3.887	5.248
162.0	3.688	4.512
165.0	3.603	4.296
168.0	3.109	3.816
171.0	2.948	3.581
174.0	2.746	2.931
177.0	2.763	2.759
180.0	2.779	2.762

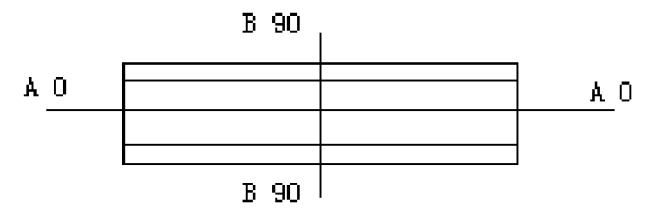
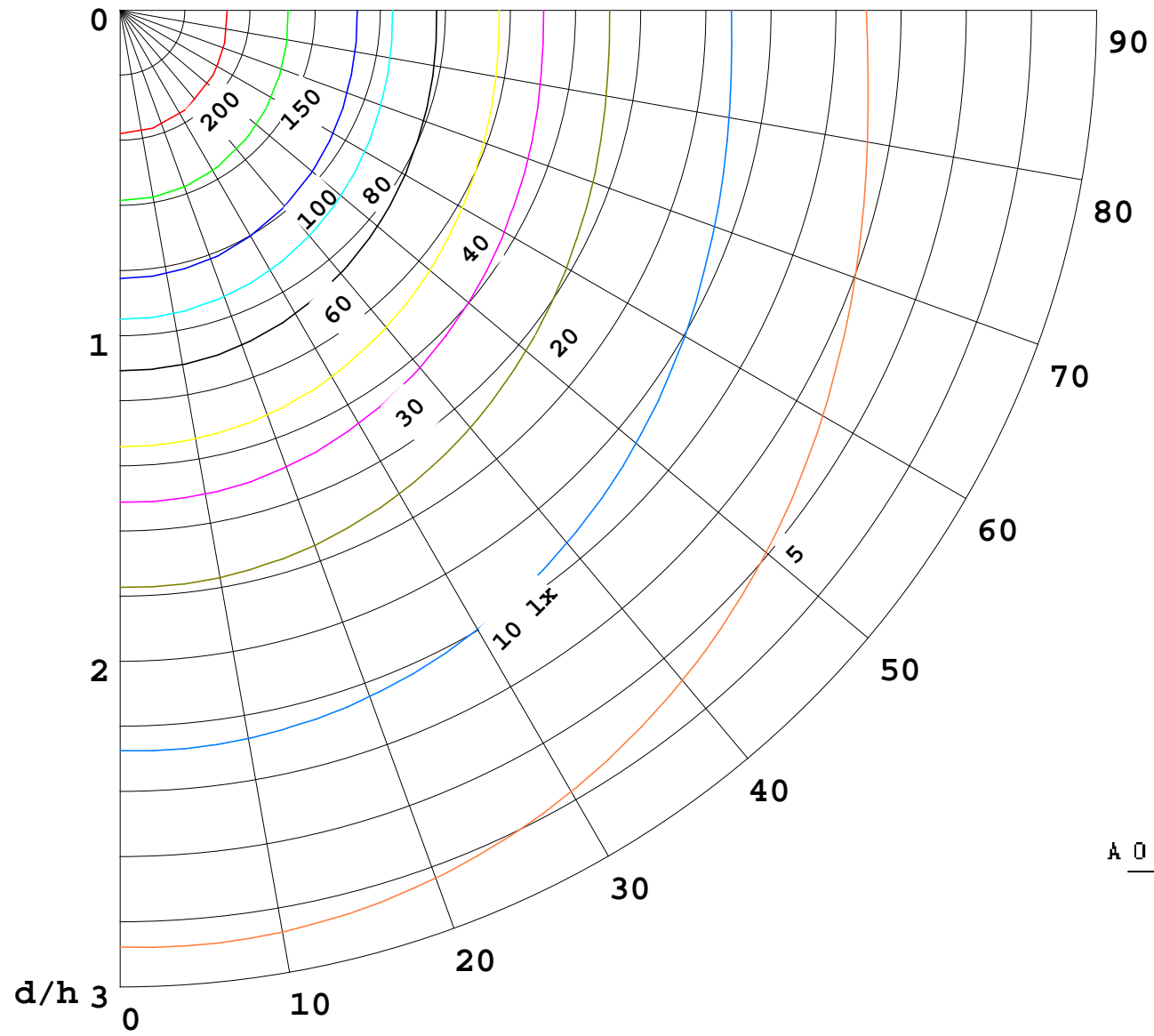
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-18

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

