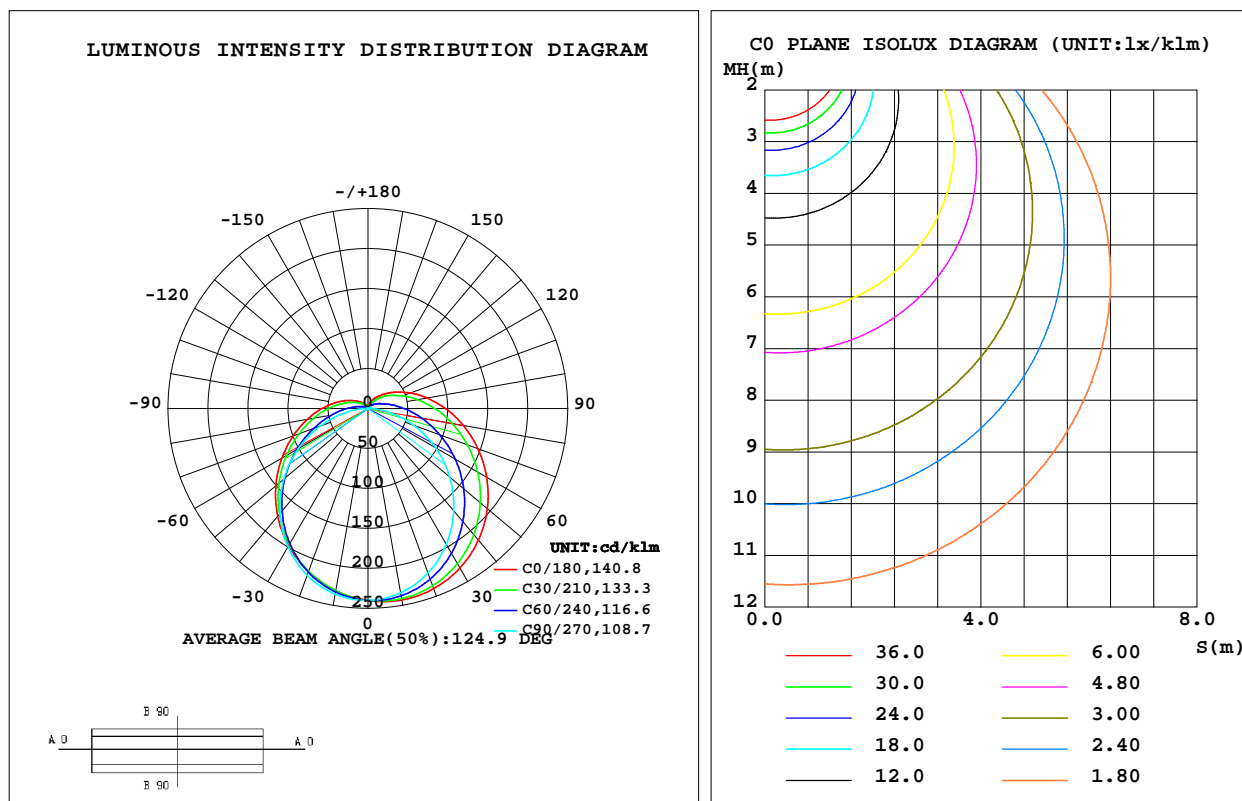


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.79 lm/W			
MODEL		I _{max} (cd/klm)	243.1	S/MH(C0/180)	1.24
NOMINAL POWER(W)	18	LOR(%)	94.1	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	940.57	h UP,DN(C0-180)	6.4,41.9
NOMINAL FLUX(lm)	2313.39	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.3,40.4
LAMPS INSIDE	1	h up(%)	11.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	82.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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	243.1	239.6	234.2	231.4	231.4	232.3	235.8	241.0	0- 10	22.72	22.72	2.42,2.27
20	239.7	231.6	219.0	215.2	217.1	217.4	222.1	234.0	10- 20	65.28	88.01	9.36,8.8
30	230.3	216.4	196.1	192.9	198.2	196.0	200.0	219.5	20- 30	99.66	187.7	20,18.8
40	215.0	195.3	166.9	166.1	175.7	169.9	171.1	198.5	30- 40	122.0	309.7	32.9,31
50	195.0	170.0	133.6	136.8	150.4	140.6	137.6	173.0	40- 50	130.4	440.1	46.8,44
60	171.5	142.1	97.72	106.7	124.5	110.4	100.9	144.5	50- 60	125.4	565.4	60.1,56.5
70	146.2	113.8	60.38	78.41	99.36	81.64	62.95	115.4	60- 70	109.3	674.7	71.7,67.5
80	120.9	87.30	25.13	54.23	76.68	57.05	26.22	87.82	70- 80	86.36	761.1	80.9,76.1
90	97.08	64.50	1.412	35.90	57.68	38.09	1.376	64.26	80- 90	62.25	823.3	87.5,82.3
100	75.71	46.45	0.5743	23.21	42.01	24.59	0.5068	44.84	90-100	43.19	866.5	92.1,86.7
110	57.36	32.39	0.9073	14.36	29.49	15.27	0.8236	30.90	100-110	29.31	895.8	95.2,89.6
120	41.33	22.55	1.254	9.505	19.60	9.963	1.182	21.59	110-120	18.96	914.8	97.3,91.5
130	29.33	14.86	1.610	6.396	12.85	6.553	1.514	14.77	120-130	11.99	926.8	98.5,92.7
140	20.00	9.557	1.889	4.256	7.900	4.299	1.802	8.943	130-140	6.921	933.7	99.3,93.4
150	13.15	6.088	2.187	3.090	4.711	3.010	2.090	5.934	140-150	3.753	937.4	99.7,93.7
160	8.138	4.401	2.419	2.545	2.732	2.465	2.318	4.189	150-160	1.947	939.4	99.9,93.9
170	3.274	3.137	2.544	2.601	2.534	2.583	2.506	3.136	160-170	0.9173	940.3	100,94
180	2.611	2.617	2.627	2.621	2.608	2.618	2.629	2.624	170-180	0.2585	940.6	100,94.1
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

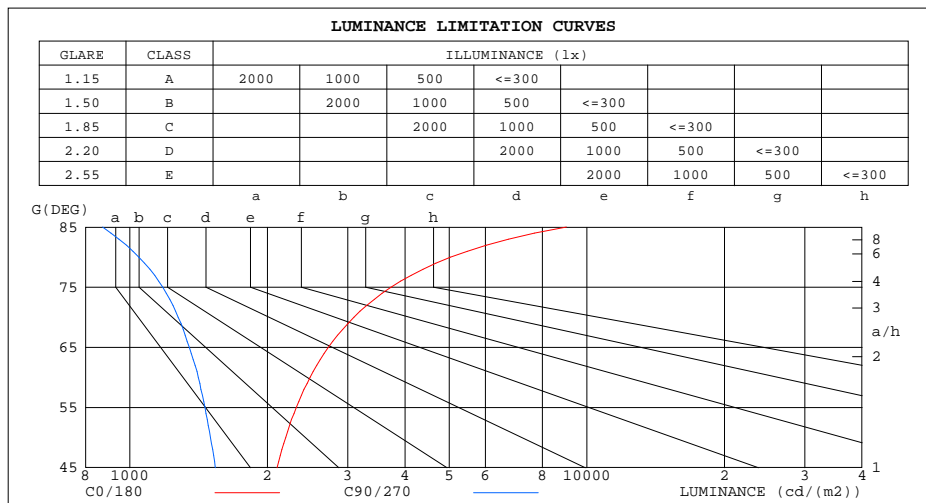
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9017	872
80	5031	1046
75	3727	1180
70	3090	1276
65	2719	1350
60	2479	1413
55	2313	1462
50	2193	1503
45	2101	1539

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-10-17

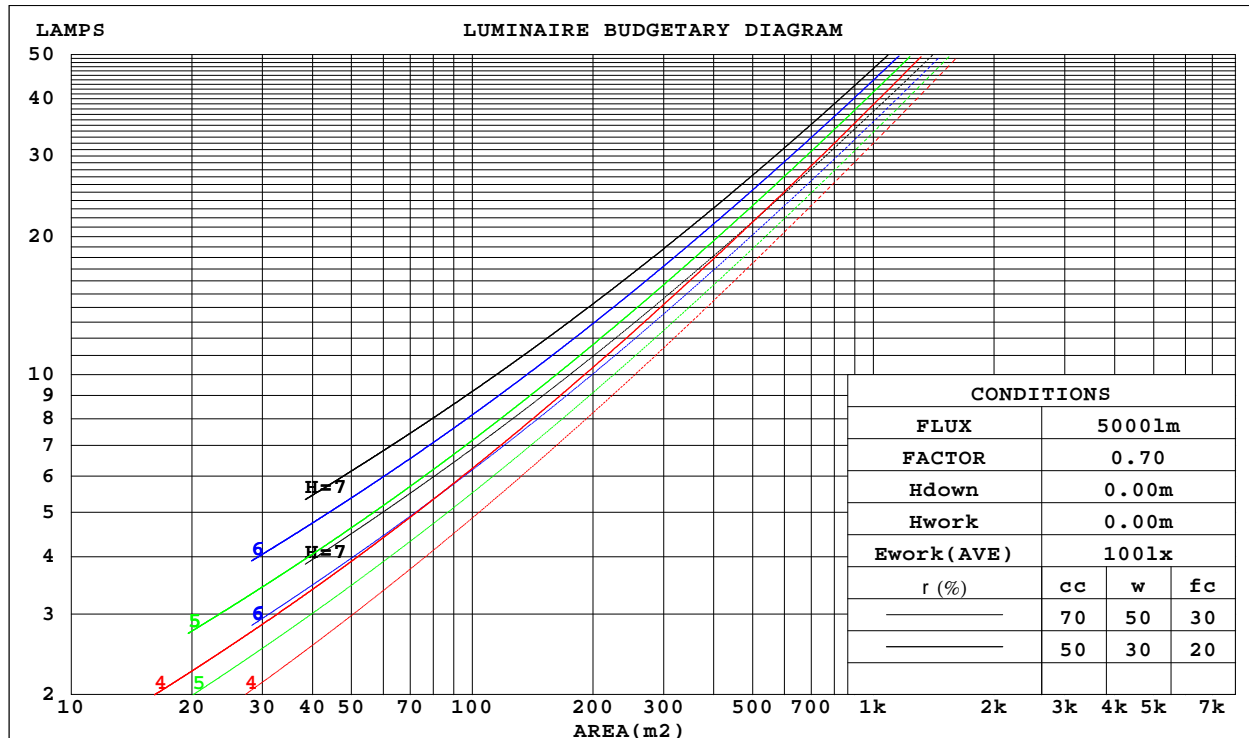
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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	1.09	1.09	1.09	1.05	1.05	1.05	.98	.98	.98	.91	.91	.91	.85	.85	.85	.82
1.0	.92	.87	.83	.88	.84	.80	.82	.79	.75	.76	.74	.71	.71	.69	.67	.64
2.0	.79	.72	.65	.76	.69	.64	.71	.65	.60	.66	.61	.57	.61	.58	.54	.52
3.0	.69	.60	.54	.66	.58	.52	.62	.55	.50	.57	.52	.47	.53	.49	.45	.43
4.0	.60	.52	.45	.58	.50	.44	.54	.47	.42	.51	.45	.40	.47	.42	.38	.36
5.0	.54	.45	.38	.52	.44	.37	.49	.41	.36	.45	.39	.34	.42	.37	.33	.31
6.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.41	.35	.30	.38	.33	.29	.27
7.0	.43	.35	.29	.42	.34	.28	.40	.33	.27	.37	.31	.26	.35	.30	.25	.23
8.0	.40	.31	.26	.38	.31	.25	.36	.29	.24	.34	.28	.24	.32	.27	.23	.21
9.0	.36	.28	.23	.35	.28	.23	.33	.27	.22	.31	.25	.21	.30	.24	.20	.19
10.0	.33	.26	.21	.32	.25	.20	.31	.24	.20	.29	.23	.19	.27	.22	.19	.17



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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	.351	.199	.063	.340	.194	.062	.321	.184	.059	.303	.175	.056	.287	.166	.054	
2.0	.307	.168	.052	.298	.164	.051	.281	.156	.048	.264	.148	.046	.250	.141	.044	
3.0	.275	.146	.044	.266	.143	.043	.251	.136	.041	.236	.129	.040	.223	.123	.038	
4.0	.248	.129	.038	.241	.126	.037	.227	.120	.036	.213	.115	.035	.201	.109	.033	
5.0	.226	.115	.033	.219	.113	.033	.207	.108	.032	.195	.103	.031	.184	.098	.029	
6.0	.208	.104	.030	.202	.102	.029	.190	.097	.028	.179	.093	.027	.169	.089	.026	
7.0	.192	.095	.027	.186	.093	.026	.176	.089	.026	.166	.085	.025	.156	.081	.024	
8.0	.178	.087	.024	.173	.085	.024	.163	.082	.023	.154	.078	.023	.146	.075	.022	
9.0	.166	.080	.022	.162	.079	.022	.153	.076	.021	.144	.072	.021	.136	.069	.020	
10.0	.156	.075	.021	.151	.073	.020	.143	.070	.020	.136	.067	.019	.128	.065	.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	.268	.268	.268	.229	.229	.229	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.264	.236	.212	.226	.203	.182	.154	.140	.126	.089	.081	.073	.028	.026	.024	
2.0	.257	.215	.179	.220	.185	.155	.151	.128	.108	.087	.074	.063	.028	.024	.021	
3.0	.250	.199	.158	.214	.172	.137	.147	.119	.096	.085	.070	.057	.027	.023	.019	
4.0	.243	.187	.144	.208	.161	.125	.143	.113	.088	.083	.066	.052	.027	.021	.017	
5.0	.235	.177	.135	.202	.154	.117	.139	.107	.083	.081	.063	.049	.026	.021	.016	
6.0	.228	.170	.128	.196	.147	.111	.135	.103	.079	.079	.061	.047	.025	.020	.015	
7.0	.222	.164	.123	.191	.142	.107	.132	.099	.076	.077	.059	.045	.025	.019	.015	
8.0	.215	.158	.119	.185	.137	.104	.128	.096	.074	.075	.057	.044	.024	.019	.015	
9.0	.209	.154	.116	.180	.133	.101	.125	.094	.072	.073	.055	.043	.024	.018	.014	
10.0	.204	.150	.114	.176	.130	.099	.122	.092	.071	.071	.054	.042	.023	.018	.014	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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	15.7	17.1	16.1	17.6	18.0	13.6	15.0	14.0	15.4	15.9	
	3H	18.3	19.6	18.7	20.0	20.5	15.1	16.4	15.6	16.9	17.4
	4H	19.7	20.9	20.2	21.4	21.9	15.8	17.0	16.2	17.5	18.0
	6H	21.2	22.4	21.7	22.9	23.4	16.2	17.4	16.7	17.9	18.4
	8H	22.1	23.2	22.6	23.7	24.3	16.4	17.5	16.9	18.0	18.6
	12H	23.1	24.2	23.6	24.7	25.3	16.5	17.6	17.0	18.1	18.7
4H	2H	16.3	17.5	16.8	18.0	18.5	14.7	16.0	15.2	16.5	17.0
	3H	19.1	20.2	19.6	20.7	21.3	16.6	17.7	17.1	18.2	18.7
	4H	20.7	21.7	21.3	22.2	22.8	17.4	18.4	18.0	19.0	19.6
	6H	22.5	23.4	23.0	23.9	24.6	18.1	19.0	18.7	19.6	20.2
	8H	23.4	24.3	24.0	24.9	25.5	18.4	19.2	18.9	19.8	20.4
	12H	24.6	25.3	25.2	25.9	26.6	18.5	19.3	19.1	19.9	20.6
8H	4H	21.1	21.9	21.6	22.5	23.1	18.4	19.3	19.0	19.9	20.5
	6H	23.1	23.8	23.7	24.5	25.1	19.5	20.2	20.1	20.8	21.5
	8H	24.3	25.0	25.0	25.6	26.3	20.0	20.6	20.6	21.3	22.0
	12H	25.7	26.3	26.4	26.9	27.6	20.4	21.0	21.1	21.6	22.3
12H	4H	21.1	21.9	21.7	22.5	23.1	18.8	19.5	19.4	20.1	20.8
	6H	23.3	23.9	23.9	24.5	25.2	20.1	20.7	20.7	21.3	22.0
	8H	24.6	25.1	25.2	25.8	26.5	20.7	21.3	21.4	21.9	22.7
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, 2313 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.9$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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	47	36	29	46	36	29	45	35	29	22
0.80	56	44	37	55	44	36	53	43	36	29
1.00	64	52	44	62	51	44	59	52	43	35
1.25	70	59	51	68	58	50	65	56	49	41
1.50	75	64	56	73	62	55	69	60	54	45
2.00	82	72	64	79	70	63	74	67	61	51
2.50	86	76	69	83	75	68	78	71	65	55
3.00	89	81	74	86	79	73	81	74	69	58
4.00	93	86	80	90	84	78	84	79	75	63
5.00	96	90	85	93	87	82	86	82	78	66
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

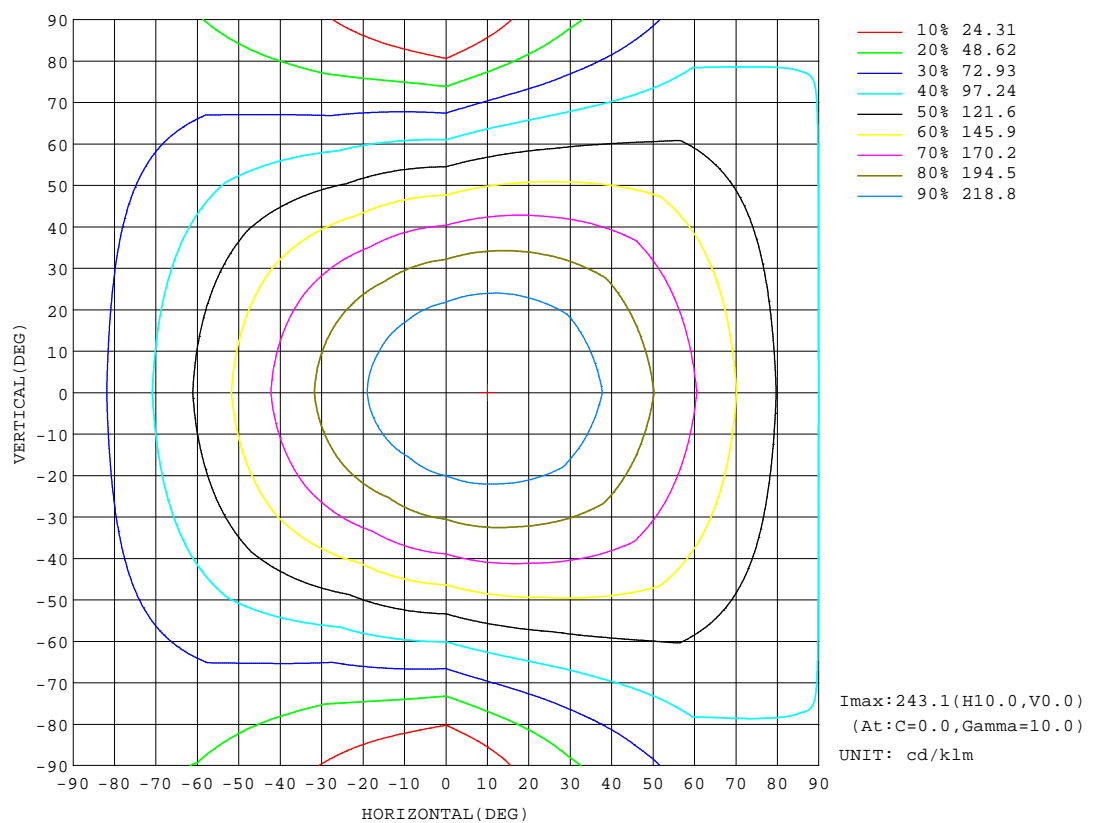
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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: 2022-10-17

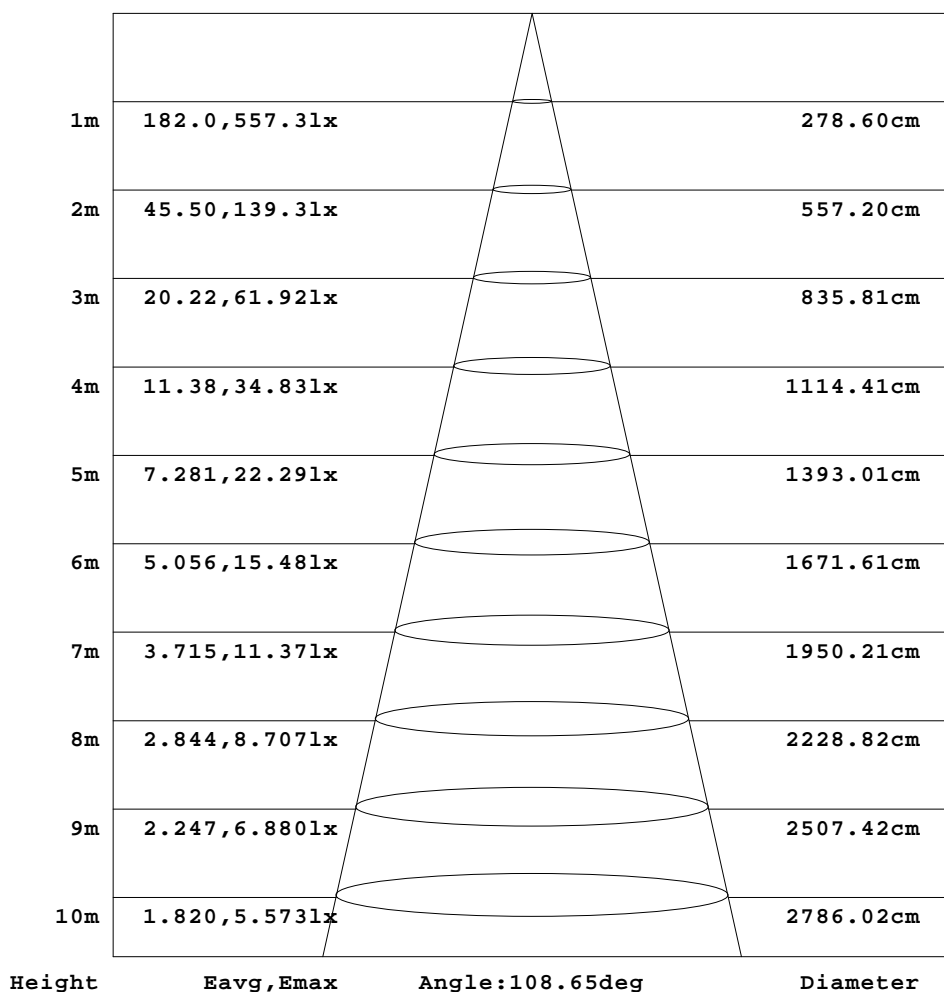
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1166 lm



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

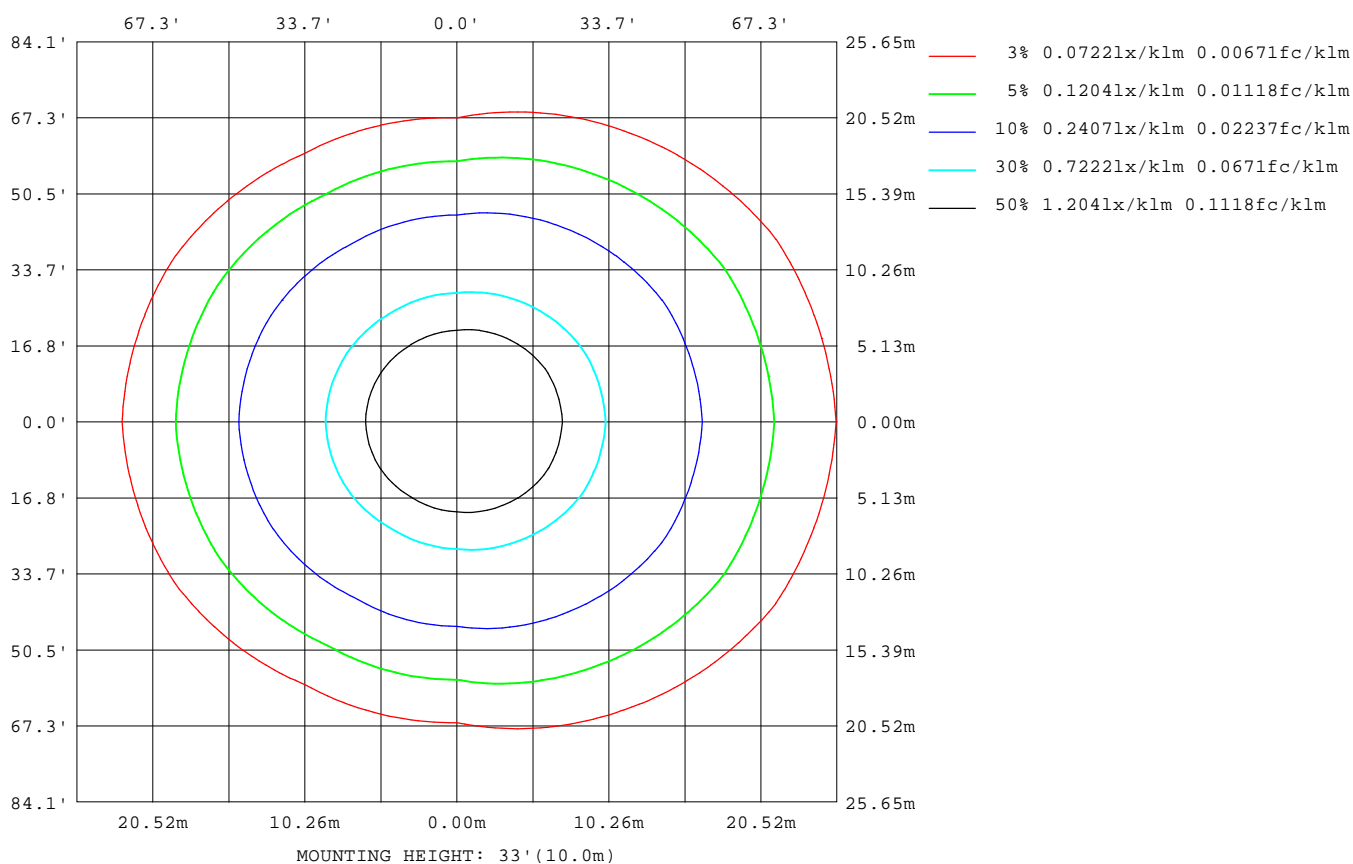
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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: 2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

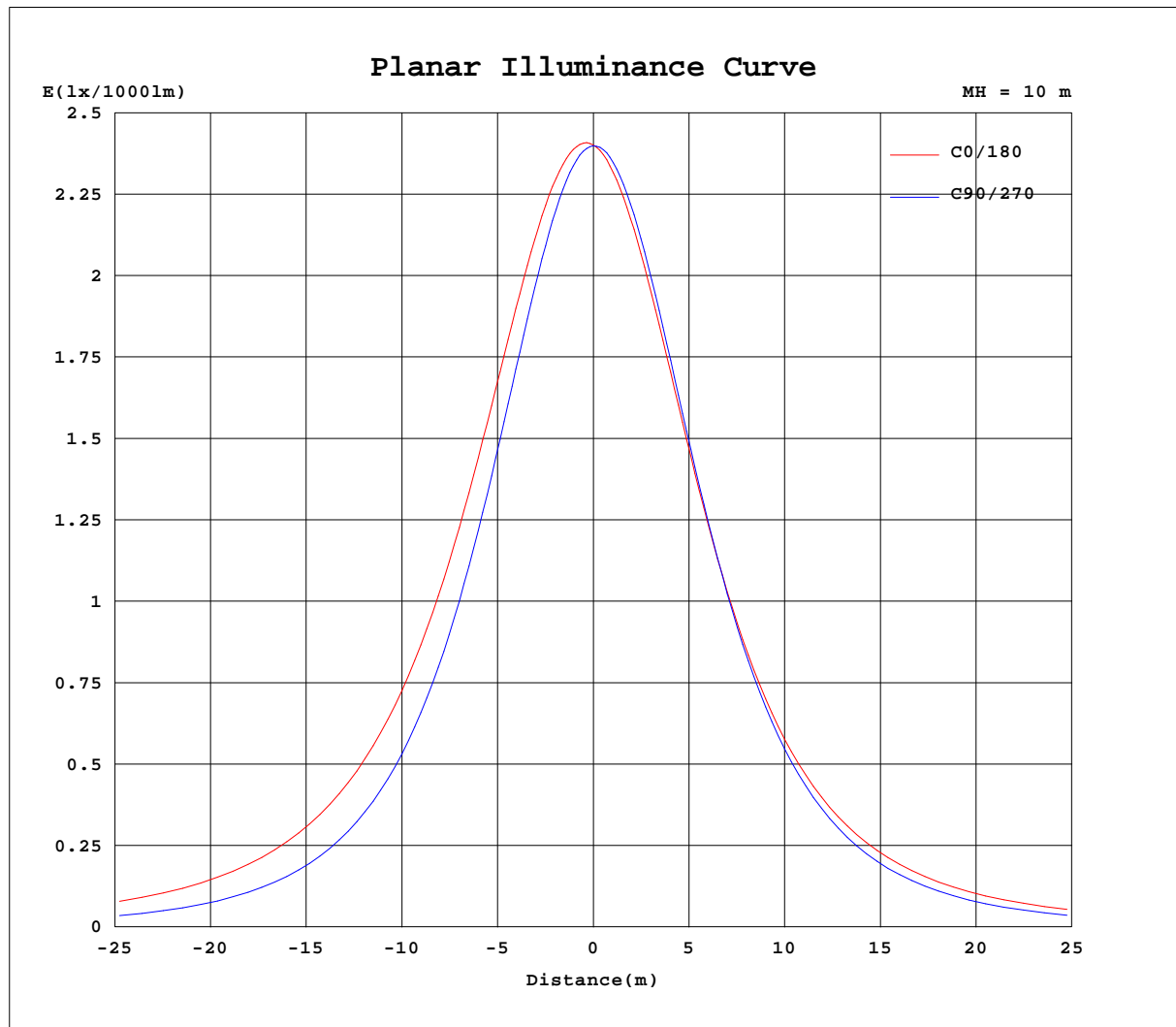
AvgL	cd/m2
L_0~180(65)av	2315
L_0~180(75)av	3087
L_0~180(85)av	7278
L_90~270(65)av	1377
L_90~270(75)av	1207
L_90~270(85)av	893
L_45(65)av	1913
L_45(75)av	2368
L_45(85)av	5136

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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: 2022-10-17

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:120.24V I:0.1607A P:18.473W PF:0.9558 Freq:50.80Hz Lamp Flux:2313.39x1 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	240	240	240	240	240	240	240	240	240	240	240	240					
5	242	242	240	238	237	237	236	237	238	239	241	242					
10	243	241	238	234	232	231	231	231	233	236	240	243					
15	242	240	234	228	224	224	225	225	226	230	236	241					
20	240	236	227	219	215	216	217	217	218	222	230	238					
25	236	231	219	208	204	206	208	207	207	212	223	233					
30	230	224	209	196	191	195	198	197	195	200	213	226					
35	223	215	197	182	177	183	187	185	182	186	202	218					
40	215	206	185	167	162	170	176	172	167	171	189	208					
45	206	195	171	151	147	157	163	159	152	155	175	197					
50	195	184	156	134	131	143	150	145	136	138	161	185					
55	184	171	141	116	114	129	137	131	119	120	145	173					
60	171	158	126	97.7	98.0	115	125	118	103	101	129	160					
65	159	145	110	78.9	82.2	102	112	104	87.0	82.0	113	146					
70	146	132	95.3	60.4	67.4	89.4	99.4	91.5	71.8	63.0	97.8	133					
75	133	119	81.0	42.2	53.8	77.3	87.6	79.6	57.9	44.2	82.4	120					
80	121	107	67.7	25.1	41.9	66.6	76.7	68.6	45.5	26.2	68.4	107					
85	109	95.1	55.7	10.5	31.8	56.8	66.8	58.7	35.0	11.0	55.8	95.1					
90	97.1	83.6	45.4	1.41	23.8	48.1	57.7	49.7	26.5	1.38	44.8	83.8					
95	86.0	73.3	36.5	0.43	17.5	40.3	49.4	41.6	19.7	0.35	34.8	72.8					
100	75.7	63.7	29.2	0.57	12.9	33.5	42.0	34.5	14.6	0.51	27.1	62.6					
105	66.1	55.0	21.7	0.75	8.88	27.7	35.5	28.5	10.2	0.67	20.2	53.8					
110	57.4	46.8	18.0	0.91	6.92	21.8	29.5	22.6	7.93	0.82	16.8	45.0					
115	48.4	39.0	15.1	1.07	5.49	17.7	23.9	18.3	6.26	1.01	12.9	37.7					
120	41.3	33.1	12.0	1.25	4.48	14.5	19.6	14.9	5.02	1.18	11.1	32.1					
125	34.9	28.0	9.70	1.44	3.80	11.8	16.0	12.0	4.11	1.35	9.02	27.1					
130	29.3	22.2	7.50	1.61	3.30	9.49	12.9	9.63	3.48	1.51	7.50	22.0					
135	24.4	17.1	6.68	1.76	2.87	7.54	10.2	7.61	3.01	1.66	6.31	16.7					
140	20.0	13.3	5.80	1.89	2.52	5.99	7.90	5.99	2.61	1.80	5.46	12.4					
145	16.3	10.3	5.10	2.05	2.28	4.81	6.11	4.76	2.28	1.94	4.77	9.79					
150	13.2	7.62	4.55	2.19	2.32	3.86	4.71	3.77	2.25	2.09	4.14	7.73					
155	10.5	6.39	4.29	2.31	2.40	3.07	3.59	2.98	2.29	2.20	3.87	6.11					
160	8.14	5.15	3.65	2.42	2.48	2.61	2.73	2.55	2.39	2.32	3.55	4.83					
165	6.19	4.23	3.43	2.50	2.56	2.58	2.49	2.53	2.47	2.42	3.38	4.08					
170	3.27	3.44	2.83	2.54	2.61	2.59	2.53	2.59	2.57	2.51	2.76	3.51					
175	2.78	2.81	2.60	2.60	2.62	2.65	2.58	2.64	2.60	2.59	2.59	2.70					
180	2.61	2.61	2.63	2.63	2.63	2.61	2.61	2.61	2.62	2.63	2.63	2.62					

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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	240.2	239.9	239.9	239.9	239.9	240.3	240.2	239.9	239.9	239.9
3.0	241.7	241.1	240.2	239.2	238.3	238.4	238.1	238.0	238.8	239.7
6.0	242.8	241.7	239.7	237.6	236.0	235.6	235.5	235.7	236.9	238.6
9.0	243.1	241.6	238.4	235.1	232.8	232.3	232.5	232.6	234.2	236.7
12.0	243.0	240.8	236.4	231.9	228.8	228.5	229.0	228.9	230.8	233.8
15.0	242.3	239.6	233.6	227.8	224.1	224.1	224.9	224.8	226.5	230.1
18.0	241.1	237.7	230.0	222.8	218.7	219.1	220.3	220.1	221.7	225.6
21.0	239.0	235.1	225.6	217.0	212.7	213.7	215.5	214.9	215.9	220.3
24.0	236.7	232.0	220.7	210.8	205.9	207.9	210.2	209.3	209.8	214.2
27.0	233.7	228.2	215.2	203.8	198.8	201.5	204.4	203.3	202.8	207.4
30.0	230.3	223.8	209.0	196.1	190.9	194.9	198.2	196.7	195.4	200.0
33.0	226.2	219.0	202.3	188.0	182.8	187.7	191.8	189.8	187.5	192.0
36.0	221.7	213.6	195.0	179.3	174.2	180.3	185.2	182.5	179.1	183.3
39.0	216.7	207.9	187.4	170.1	165.3	172.6	178.1	174.9	170.3	174.3
42.0	211.3	201.8	179.4	160.5	156.0	164.8	170.8	167.2	161.2	164.7
45.0	205.5	195.1	170.9	150.5	146.6	156.6	163.3	159.1	151.9	154.8
48.0	199.3	188.3	162.3	140.5	137.0	148.4	155.6	150.8	142.3	144.5
51.0	192.7	181.1	153.4	130.1	127.2	140.1	147.9	142.6	132.6	133.9
54.0	185.9	173.6	144.2	119.4	117.4	131.8	140.1	134.2	122.8	123.2
57.0	178.8	166.1	135.0	108.7	107.6	123.5	132.2	126.0	112.8	112.0
60.0	171.5	158.4	125.8	97.72	98.00	115.4	124.5	117.7	103.2	100.9
63.0	164.0	150.5	116.5	86.48	88.45	107.3	116.7	109.6	93.52	89.63
66.0	156.4	142.6	107.3	75.15	79.15	99.47	109.1	101.6	83.78	78.11
69.0	148.9	134.9	98.31	64.19	70.27	92.02	101.7	94.01	74.78	66.82
72.0	141.0	127.1	89.49	53.15	61.75	84.26	94.66	86.57	66.07	55.37
75.0	133.4	119.4	80.98	42.25	53.78	77.30	87.61	79.57	57.87	44.21
78.0	125.9	111.9	72.94	31.84	46.44	70.79	80.90	72.93	50.26	33.18
81.0	118.4	104.5	65.21	21.98	39.69	64.55	74.70	66.62	43.27	22.95
84.0	111.1	97.42	57.98	13.14	33.63	58.69	68.71	60.60	36.98	13.71
87.0	104.0	90.65	51.43	6.007	28.40	53.23	63.01	54.97	31.39	6.223
90.0	97.08	83.58	45.41	1.412	23.75	48.05	57.68	49.70	26.48	1.376
93.0	90.33	77.27	39.93	0.3383	19.79	43.27	52.60	44.75	22.19	0.2939
96.0	83.85	71.27	35.00	0.4366	16.45	38.86	47.87	40.01	18.54	0.3813
99.0	77.67	65.51	30.55	0.5469	13.66	34.76	43.43	35.83	15.52	0.4481
102.0	71.74	60.08	26.60	0.6605	10.95	31.07	39.27	31.99	12.68	0.5722
105.0	66.08	55.02	21.72	0.7529	8.877	27.67	35.45	28.54	10.19	0.6691
108.0	60.73	50.21	19.45	0.8438	7.619	24.48	31.87	25.10	8.730	0.7720
111.0	55.63	44.70	17.42	0.9361	6.600	20.69	28.03	21.57	7.556	0.8613
114.0	49.95	40.21	15.82	1.038	5.771	18.40	24.86	19.12	6.566	0.9689
117.0	45.53	36.59	13.83	1.144	5.021	16.36	22.11	16.89	5.724	1.076
120.0	41.33	33.14	11.96	1.254	4.480	14.53	19.60	14.91	5.016	1.182
123.0	37.39	29.98	10.48	1.368	4.043	12.86	17.36	13.15	4.434	1.284
126.0	33.76	27.02	9.349	1.471	3.684	11.33	15.28	11.54	3.961	1.381
129.0	30.39	23.70	7.949	1.569	3.387	9.937	13.45	10.09	3.585	1.481
132.0	27.30	19.94	7.149	1.671	3.124	8.679	11.75	8.782	3.282	1.572
135.0	24.39	17.12	6.685	1.760	2.874	7.542	10.18	7.607	3.011	1.659
138.0	21.59	14.81	6.141	1.834	2.655	6.564	8.767	6.573	2.767	1.747
141.0	19.21	12.62	5.641	1.916	2.453	5.732	7.515	5.722	2.539	1.828
144.0	16.99	10.82	5.221	2.019	2.299	5.020	6.424	4.981	2.334	1.911
147.0	14.95	9.302	4.862	2.117	2.293	4.407	5.506	4.346	2.229	2.021
150.0	13.15	7.621	4.555	2.187	2.318	3.861	4.711	3.771	2.249	2.090
153.0	11.51	6.782	4.357	2.257	2.365	3.368	4.015	3.274	2.267	2.153
156.0	9.566	6.099	4.226	2.332	2.423	2.935	3.396	2.836	2.308	2.218
159.0	8.589	5.374	3.713	2.396	2.468	2.626	2.876	2.560	2.361	2.286
162.0	7.475	4.616	3.549	2.449	2.514	2.582	2.547	2.526	2.417	2.356
165.0	6.191	4.235	3.429	2.500	2.558	2.579	2.490	2.533	2.475	2.420
168.0	3.860	3.652	3.227	2.518	2.585	2.573	2.503	2.574	2.534	2.474
171.0	3.141	3.357	2.824	2.558	2.626	2.599	2.546	2.602	2.588	2.526
174.0	2.809	2.791	2.618	2.588	2.618	2.635	2.574	2.639	2.596	2.576
177.0	2.604	2.605	2.611	2.614	2.633	2.621	2.596	2.623	2.618	2.609
180.0	2.611	2.608	2.626	2.627	2.629	2.614	2.608	2.612	2.623	2.629
G/C	300.0	330.0								
0.0	239.9	240.3								
3.0	240.8	241.8								
6.0	240.8	242.5								
9.0	240.0	242.7								
12.0	238.4	242.1								
15.0	236.1	241.0								
18.0	232.9	239.2								
21.0	229.0	236.9								
24.0	224.3	233.9								
27.0	219.1	230.2								
30.0	213.1	225.9								

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-10-17

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:

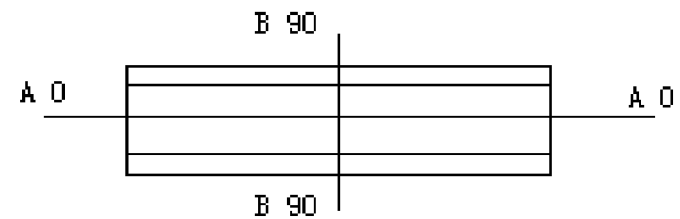
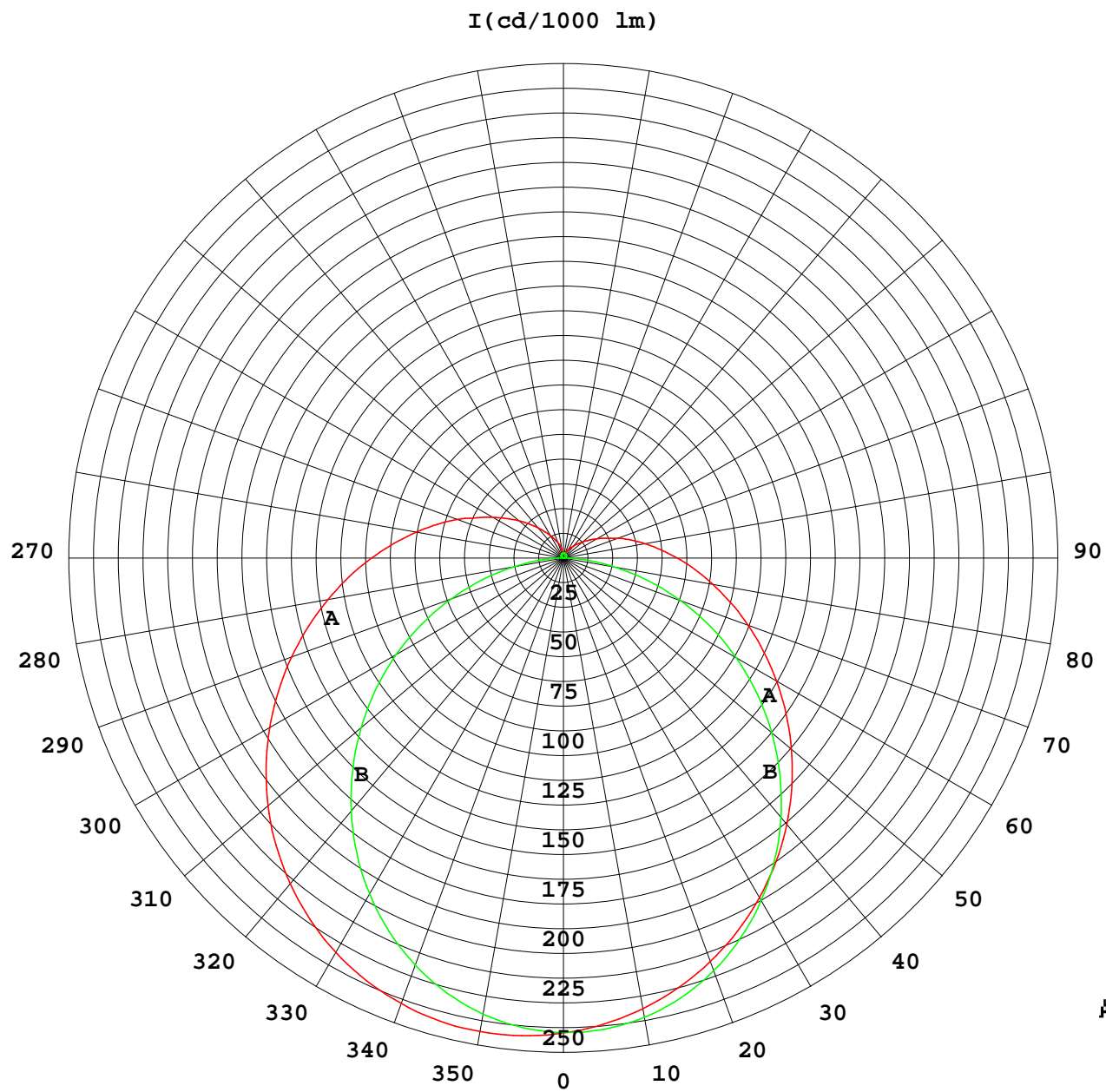
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

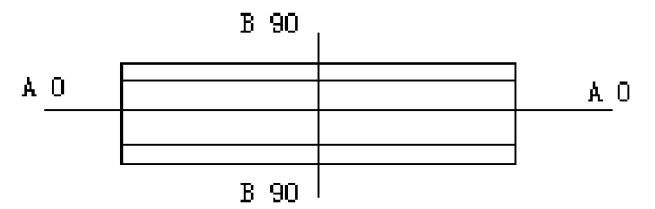
Photometric Data Table [cd/klm]

33.0	206.6	221.2
36.0	199.5	215.8
39.0	191.9	209.9
42.0	183.8	203.8
45.0	175.3	197.2
48.0	166.4	190.1
51.0	157.5	182.9
54.0	148.3	175.4
57.0	138.7	167.6
60.0	129.3	159.8
63.0	119.7	151.8
66.0	110.2	143.6
69.0	100.9	135.7
72.0	91.72	127.8
75.0	82.38	120.0
78.0	73.90	112.3
81.0	65.82	104.8
84.0	58.19	97.53
87.0	51.20	90.49
90.0	44.76	83.76
93.0	38.73	77.12
96.0	32.80	70.70
99.0	28.30	64.53
102.0	24.67	58.91
105.0	20.25	53.76
108.0	18.13	48.97
111.0	15.88	43.18
114.0	12.99	38.98
117.0	12.46	35.42
120.0	11.09	32.08
123.0	9.766	29.00
126.0	8.692	26.19
129.0	7.776	22.81
132.0	7.016	19.93
135.0	6.305	16.66
138.0	5.750	13.90
141.0	5.303	12.13
144.0	4.892	10.34
147.0	4.552	8.900
150.0	4.143	7.726
153.0	4.050	6.698
156.0	3.786	5.819
159.0	3.606	5.078
162.0	3.435	4.331
165.0	3.381	4.083
168.0	2.937	3.592
171.0	2.759	3.389
174.0	2.585	2.750
177.0	2.606	2.605
180.0	2.632	2.615

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-10-17

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:



$$K = 1$$


F = 5000 lm
K = 0.7
Hcc = 0.0 m
Hfc = 0.0 m
Eave = 100 lx

<hr/>	Pcc	Pw	Pfc
<hr/>	70	50	30
<hr/>	50	30	20

