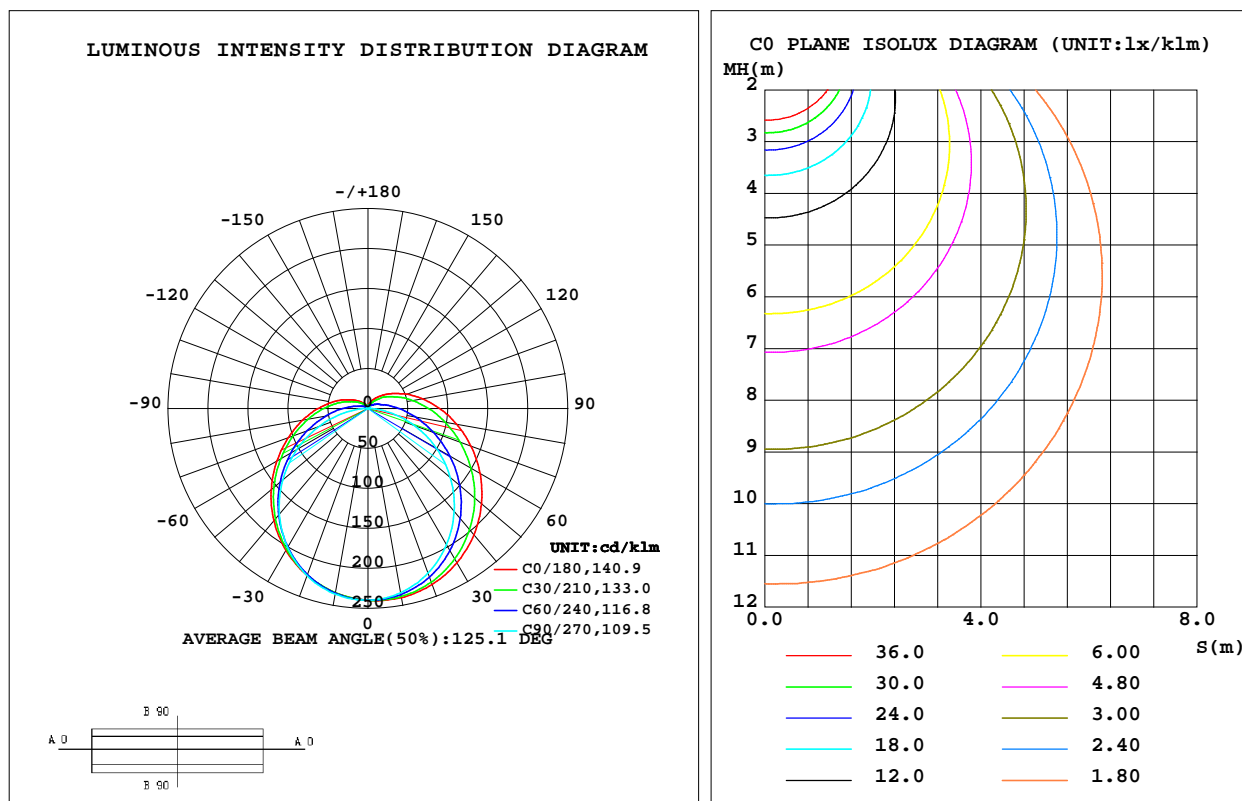


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.08 lm/W			
MODEL		I _{max} (cd/klm)	240.8	S/MH(C0/180)	1.27
NOMINAL POWER(W)	20	LOR(%)	93.7	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	936.63	h UP,DN(C0-180)	6.2,41.4
NOMINAL FLUX(lm)	2578.98	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	5.3,40.8
LAMPS INSIDE	1	h up(%)	11.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	h down(%)	82.2	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	240.2	237.6	234.4	233.0	234.1	234.3	235.8	238.8	0- 10	22.71	22.71	2.42,2.27
20	234.2	227.9	219.2	218.8	222.4	221.5	222.5	230.1	10- 20	65.26	87.97	9.39,8.8
30	222.7	211.0	196.7	198.4	205.2	201.9	200.9	214.2	20- 30	99.72	187.7	20,18.8
40	206.3	188.6	167.8	172.9	183.2	176.8	172.4	192.0	30- 40	122.1	309.8	33.1,31
50	185.5	162.2	134.7	144.2	158.1	148.6	139.3	165.2	40- 50	130.5	440.3	47,44
60	161.7	133.3	98.77	114.5	131.7	118.8	102.7	135.9	50- 60	125.3	565.6	60.4,56.6
70	136.9	104.7	61.07	86.00	105.8	90.05	64.56	106.4	60- 70	109.0	674.6	72,67.5
80	112.4	78.76	25.34	60.89	82.83	64.26	27.27	79.28	70- 80	85.84	760.4	81.2,76
90	89.84	57.41	1.380	40.99	62.58	43.63	1.634	56.97	80- 90	61.47	821.9	87.7,82.2
100	69.81	41.17	0.6863	26.57	46.07	28.41	0.5999	39.55	90-100	42.33	864.2	92.3,86.4
110	52.72	28.84	1.027	16.25	32.59	17.38	0.9222	27.59	100-110	28.62	892.8	95.3,89.3
120	38.04	20.40	1.367	10.51	21.66	11.11	1.274	19.59	110-120	18.46	911.3	97.3,91.1
130	27.06	13.79	1.731	6.882	14.08	7.099	1.611	13.72	120-130	11.68	923.0	98.5,92.3
140	18.65	9.163	2.000	4.448	8.452	4.516	1.897	8.565	130-140	6.777	929.8	99.3,93
150	12.55	6.139	2.296	3.178	4.868	3.098	2.184	5.852	140-150	3.711	933.5	99.7,93.3
160	8.035	4.504	2.515	2.605	2.802	2.518	2.404	4.250	150-160	1.962	935.4	99.9,93.5
170	3.385	3.234	2.635	2.669	2.596	2.642	2.596	3.245	160-170	0.9386	936.4	100,93.6
180	2.700	2.698	2.714	2.709	2.696	2.698	2.717	2.706	170-180	0.2663	936.6	100,93.7
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

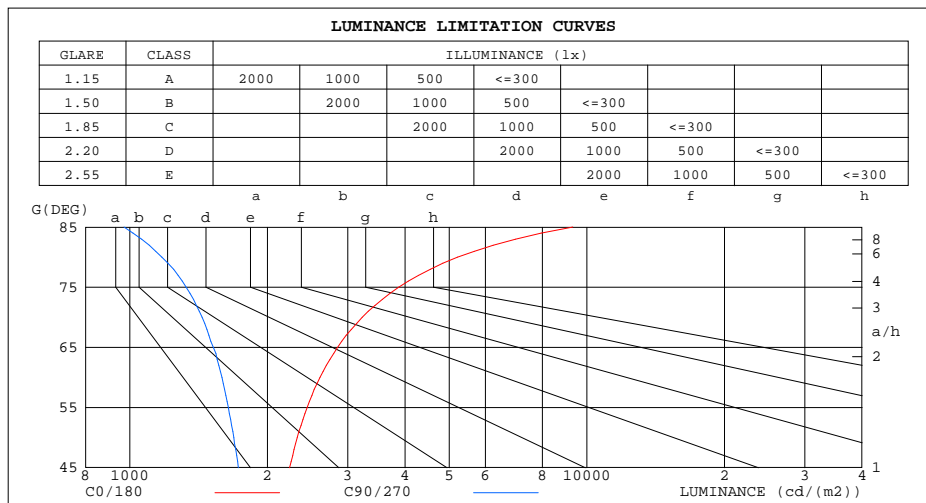
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9323	971
80	5215	1176
75	3876	1328
70	3227	1439
65	2848	1524
60	2606	1592
55	2442	1643
50	2326	1689
45	2237	1728

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

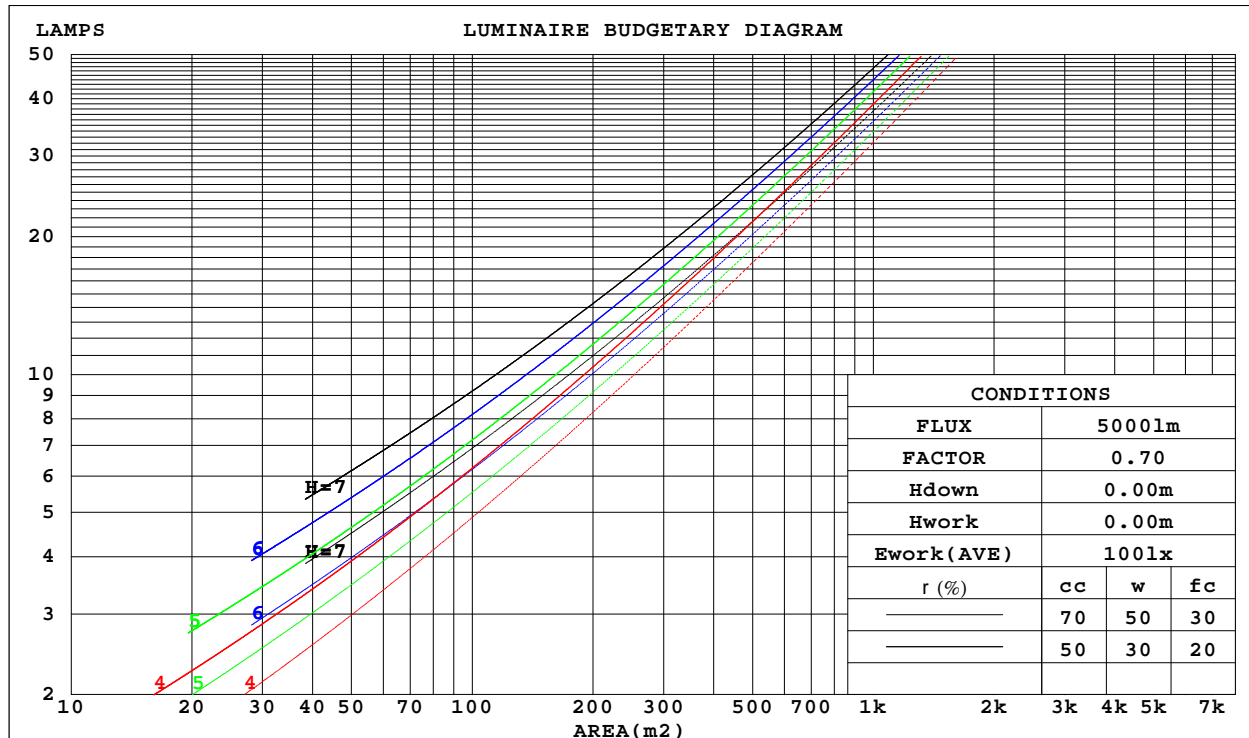
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.040m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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	.91	.87	.82	.88	.84	.80	.82	.78	.75	.76	.73	.71	.71	.69	.67	.64
2.0	.79	.71	.65	.76	.69	.64	.70	.65	.60	.66	.61	.57	.61	.58	.54	.52
3.0	.68	.60	.53	.66	.58	.52	.61	.55	.50	.57	.52	.47	.53	.49	.45	.43
4.0	.60	.51	.45	.58	.50	.44	.54	.47	.42	.51	.45	.40	.47	.42	.38	.36
5.0	.53	.45	.38	.52	.44	.37	.48	.41	.36	.45	.39	.34	.42	.37	.33	.31
6.0	.48	.39	.33	.46	.38	.32	.44	.36	.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	.39	.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:2022-10-18

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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	.349	.198	.063	.338	.193	.061	.319	.183	.058	.302	.174	.056	.285	.165	.053	
2.0	.306	.168	.051	.296	.163	.050	.279	.155	.048	.263	.148	.046	.249	.141	.044	
3.0	.273	.145	.044	.265	.142	.043	.250	.135	.041	.235	.129	.040	.222	.123	.038	
4.0	.247	.128	.038	.240	.125	.037	.226	.120	.036	.213	.114	.034	.200	.109	.033	
5.0	.225	.115	.033	.219	.112	.033	.206	.107	.032	.194	.102	.030	.183	.098	.029	
6.0	.207	.104	.030	.201	.101	.029	.189	.097	.028	.179	.093	.027	.168	.089	.026	
7.0	.191	.094	.027	.186	.092	.026	.175	.089	.025	.165	.085	.025	.156	.081	.024	
8.0	.177	.087	.024	.172	.085	.024	.163	.081	.023	.154	.078	.022	.145	.075	.022	
9.0	.166	.080	.022	.161	.078	.022	.152	.075	.021	.144	.072	.021	.136	.069	.020	
10.0	.155	.074	.021	.151	.073	.020	.143	.070	.020	.135	.067	.019	.128	.064	.018	

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	.266	.266	.266	.227	.227	.227	.155	.155	.155	.089	.089	.089	.028	.028	.028	
1.0	.261	.234	.209	.223	.201	.180	.153	.138	.125	.088	.080	.072	.028	.026	.023	
2.0	.254	.212	.177	.218	.183	.153	.149	.126	.106	.086	.073	.062	.028	.024	.020	
3.0	.247	.196	.156	.212	.169	.135	.146	.118	.095	.084	.069	.056	.027	.022	.018	
4.0	.240	.185	.142	.206	.159	.124	.142	.111	.087	.082	.065	.051	.026	.021	.017	
5.0	.233	.175	.133	.200	.152	.115	.138	.106	.082	.080	.062	.048	.026	.020	.016	
6.0	.226	.168	.126	.194	.145	.110	.134	.102	.078	.078	.060	.046	.025	.020	.015	
7.0	.219	.161	.121	.188	.140	.105	.130	.098	.075	.076	.058	.044	.024	.019	.015	
8.0	.213	.156	.117	.183	.135	.102	.127	.095	.072	.074	.056	.043	.024	.018	.014	
9.0	.207	.152	.114	.178	.131	.099	.124	.092	.071	.072	.055	.042	.023	.018	.014	
10.0	.201	.148	.112	.174	.128	.097	.121	.090	.069	.070	.053	.041	.023	.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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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	17.5	18.0	13.7	15.2	14.2	15.6	16.0	
	3H	18.2	19.5	18.7	20.0	20.5	15.3	16.6	15.8	17.1	17.5
	4H	19.6	20.9	20.1	21.3	21.9	15.9	17.2	16.4	17.6	18.2
	6H	21.1	22.3	21.6	22.8	23.4	16.4	17.6	16.9	18.1	18.6
	8H	22.0	23.1	22.5	23.6	24.2	16.5	17.7	17.0	18.2	18.7
	12H	23.0	24.1	23.5	24.6	25.1	16.6	17.7	17.1	18.2	18.8
4H	2H	16.3	17.5	16.7	18.0	18.5	14.8	16.1	15.3	16.5	17.1
	3H	19.0	20.1	19.6	20.6	21.2	16.6	17.7	17.1	18.2	18.8
	4H	20.6	21.6	21.2	22.2	22.8	17.4	18.4	18.0	19.0	19.6
	6H	22.4	23.3	22.9	23.8	24.5	18.1	19.0	18.7	19.6	20.2
	8H	23.3	24.2	23.9	24.8	25.4	18.3	19.2	18.9	19.8	20.4
	12H	24.4	25.2	25.0	25.8	26.5	18.5	19.3	19.1	19.9	20.6
8H	4H	20.9	21.8	21.5	22.4	23.0	18.4	19.2	19.0	19.8	20.4
	6H	23.0	23.7	23.6	24.3	25.0	19.4	20.1	20.0	20.7	21.4
	8H	24.2	24.8	24.8	25.5	26.2	19.9	20.5	20.5	21.1	21.8
	12H	25.6	26.1	26.2	26.8	27.5	20.2	20.8	20.9	21.4	22.2
12H	4H	21.0	21.8	21.6	22.3	23.0	18.7	19.5	19.3	20.1	20.7
	6H	23.1	23.8	23.7	24.4	25.1	19.9	20.6	20.5	21.2	21.9
	8H	24.4	25.0	25.1	25.6	26.3	20.5	21.1	21.2	21.7	22.5
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, 2579 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.3$)

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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	35	29	45	35	29	22
0.80	56	44	37	55	44	36	52	42	36	29
1.00	63	52	44	62	51	44	59	52	43	35
1.25	70	58	51	68	57	50	64	55	49	41
1.50	75	64	56	72	62	55	68	60	54	45
2.00	81	71	64	79	70	63	74	67	61	51
2.50	85	76	69	83	74	68	77	71	65	55
3.00	89	81	74	86	78	72	80	74	69	58
4.00	93	86	80	90	84	78	84	79	75	63
5.00	96	90	84	92	87	82	86	82	78	66
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

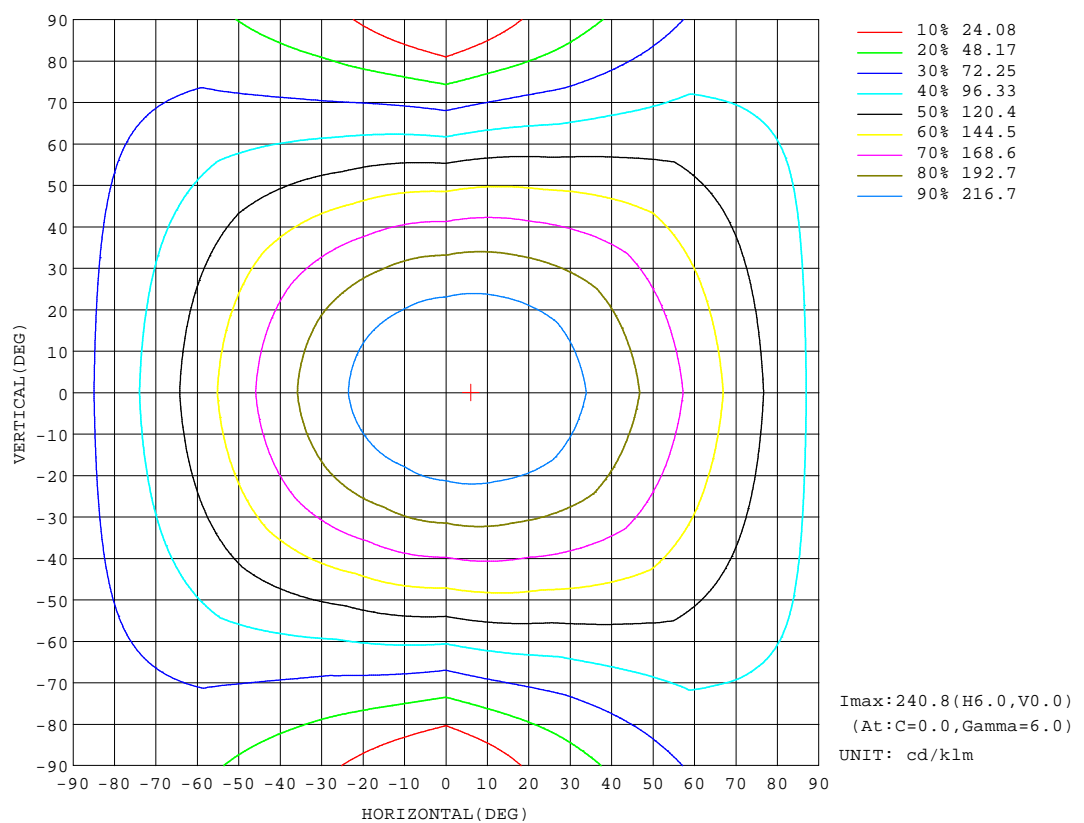
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-10-18

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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

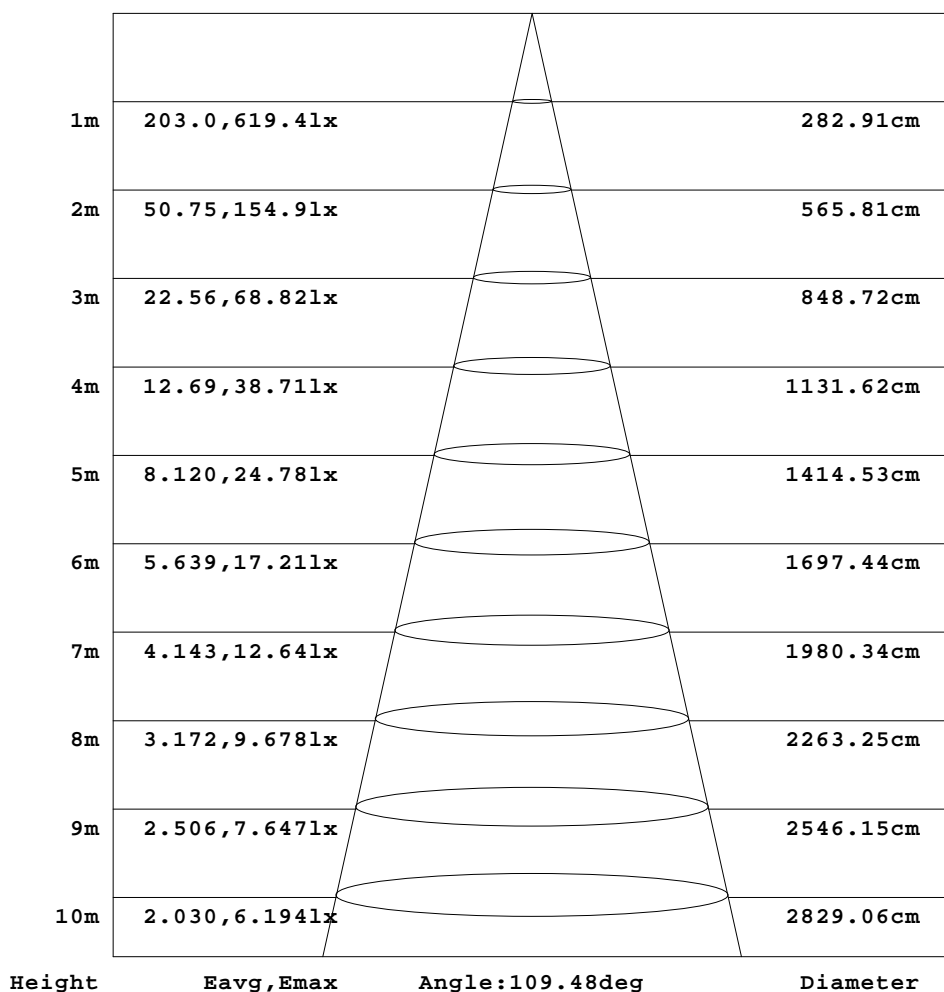
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.040m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

Flux out:1301 lm



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

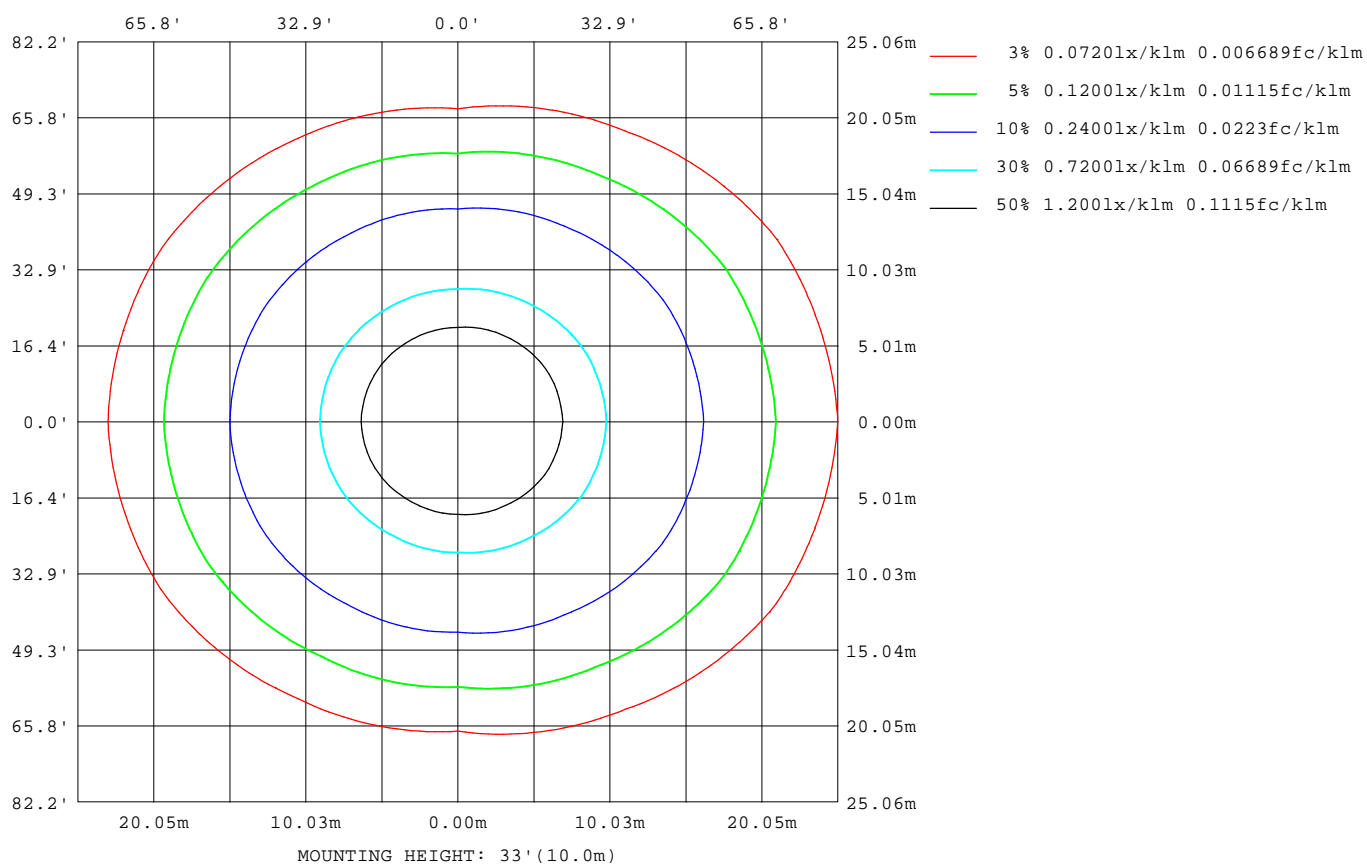
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-10-18

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DURALED	SUR.:	Shielding Angle:

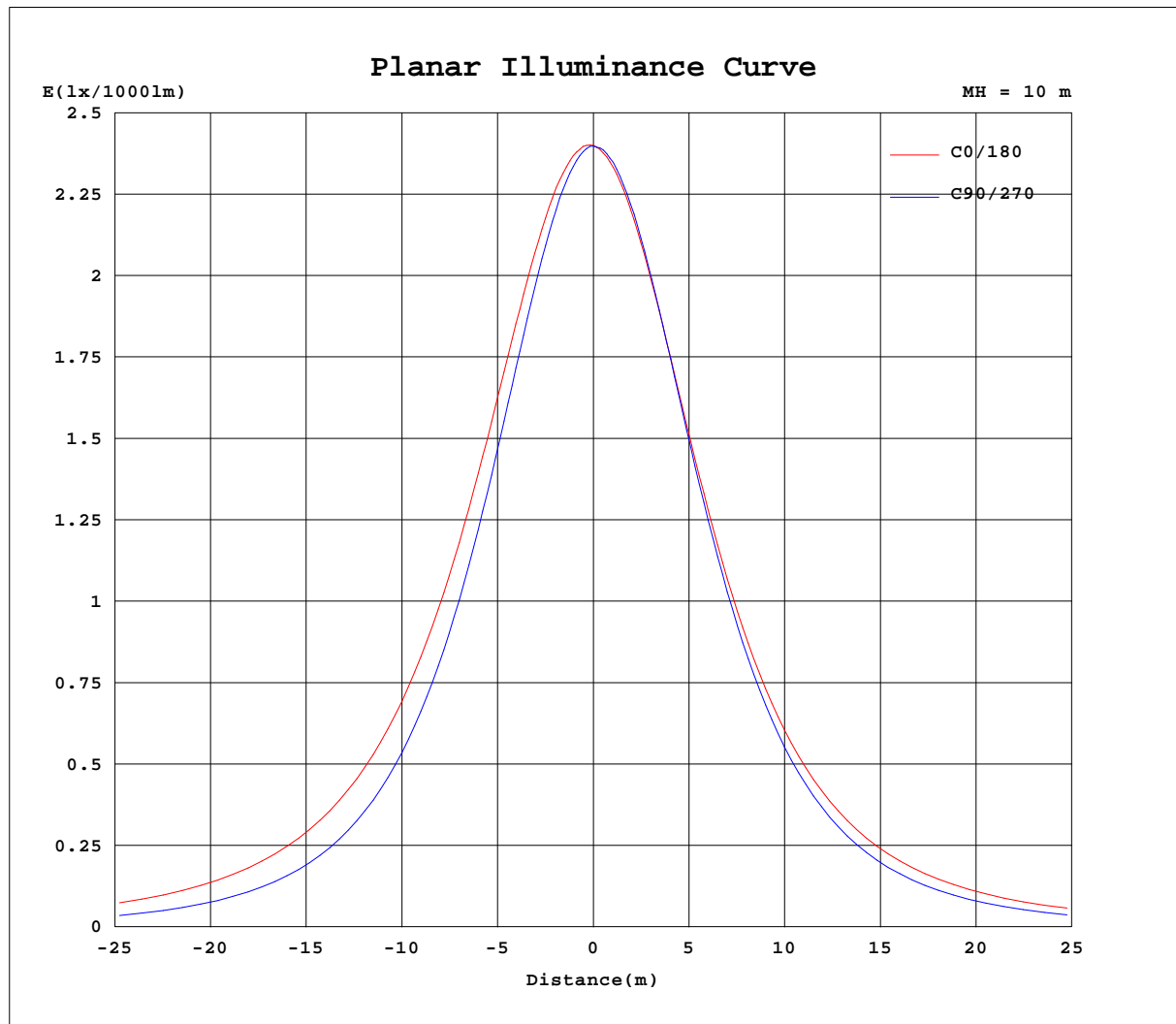
AvgL	cd/m2
L_0~180(65)av	2554
L_0~180(75)av	3400
L_0~180(85)av	7996
L_90~270(65)av	1561
L_90~270(75)av	1373
L_90~270(85)av	1024
L_45(65)av	2123
L_45(75)av	2619
L_45(85)av	5642

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:120.24V I:0.1809A P:20.809W PF:0.9566 Freq:50.80Hz Lamp Flux:2578.98x1 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	241	240	239	238	237	237	238	238	238	239	240	241					
10	240	239	236	234	233	233	234	234	235	236	238	240					
15	238	236	231	228	226	227	229	229	229	230	234	237					
20	234	231	225	219	218	220	222	222	221	223	228	233					
25	229	225	216	209	208	211	214	213	212	213	219	227					
30	223	217	205	197	196	201	205	203	200	201	209	219					
35	215	208	193	183	182	190	195	192	188	187	197	210					
40	206	198	179	168	168	177	183	180	174	172	184	200					
45	196	186	165	152	153	164	171	167	159	156	170	188					
50	186	174	150	135	138	151	158	154	143	139	154	176					
55	174	162	134	117	122	137	145	140	128	121	138	163					
60	162	149	118	98.8	106	123	132	126	112	103	122	150					
65	149	135	102	79.9	90.1	110	119	112	95.9	83.8	105	137					
70	137	122	87.0	61.1	75.1	96.9	106	99.5	80.6	64.6	89.5	123					
75	124	110	72.7	42.7	61.2	84.7	93.9	87.1	66.0	45.5	74.1	111					
80	112	97.8	59.7	25.3	48.6	73.1	82.8	75.7	52.8	27.3	60.4	98.1					
85	101	86.6	48.4	10.5	37.8	62.9	72.1	65.1	41.4	11.6	48.5	86.5					
90	89.8	75.8	39.0	1.38	28.5	53.5	62.6	55.5	31.7	1.63	38.4	75.5					
95	79.4	66.2	31.2	0.54	21.1	45.1	53.9	46.9	23.8	0.44	29.1	65.2					
100	69.8	57.4	24.9	0.69	15.4	37.7	46.1	39.2	17.6	0.60	22.9	56.2					
105	60.8	49.5	18.6	0.87	10.4	31.2	39.0	32.3	12.1	0.77	17.3	48.2					
110	52.7	42.1	15.6	1.03	7.97	24.5	32.6	25.6	9.18	0.92	14.6	40.6					
115	44.5	35.1	13.4	1.19	6.14	19.8	26.4	20.7	7.06	1.10	11.5	34.1					
120	38.0	29.9	10.9	1.37	4.85	16.2	21.7	16.7	5.49	1.27	10.0	29.1					
125	32.1	25.4	9.06	1.55	3.99	13.0	17.6	13.4	4.37	1.45	8.37	24.8					
130	27.1	20.4	7.16	1.73	3.42	10.3	14.1	10.6	3.63	1.61	7.10	20.3					
135	22.3	15.9	6.54	1.87	2.95	8.08	11.0	8.21	3.11	1.76	6.11	15.4					
140	18.7	12.5	5.79	2.00	2.59	6.30	8.45	6.35	2.68	1.90	5.40	11.7					
145	15.3	9.85	5.16	2.15	2.35	4.98	6.42	4.97	2.35	2.03	4.79	9.32					
150	12.6	7.61	4.66	2.30	2.39	3.96	4.87	3.89	2.31	2.18	4.19	7.51					
155	9.93	6.37	4.42	2.40	2.46	3.15	3.68	3.07	2.36	2.29	3.96	6.03					
160	8.03	5.22	3.79	2.51	2.55	2.66	2.80	2.60	2.44	2.40	3.67	4.83					
165	6.22	4.33	3.54	2.59	2.63	2.63	2.55	2.59	2.53	2.51	3.48	4.17					
170	3.39	3.54	2.93	2.64	2.69	2.65	2.60	2.65	2.63	2.60	2.87	3.62					
175	2.87	2.88	2.69	2.69	2.70	2.72	2.66	2.71	2.67	2.68	2.69	2.79					
180	2.70	2.69	2.70	2.71	2.72	2.70	2.70	2.69	2.70	2.72	2.71	2.70					

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	240.0	239.7	239.6	239.9	239.7	239.9	240.0	239.7	239.6	239.9
3.0	240.8	240.1	239.7	239.1	238.5	238.5	238.7	238.7	239.2	239.6
6.0	240.8	239.9	238.6	237.4	236.6	236.6	237.2	237.2	237.8	238.7
9.0	240.2	239.3	237.1	235.1	233.7	234.2	234.9	234.8	235.5	236.5
12.0	239.3	237.8	234.6	231.7	230.4	231.0	232.1	232.1	232.6	234.0
15.0	237.8	235.8	231.4	227.7	226.2	227.4	228.9	228.6	229.0	230.3
18.0	236.0	233.3	227.6	222.8	221.1	223.0	225.2	224.7	224.4	225.9
21.0	233.2	230.2	222.8	217.3	215.6	218.5	220.7	220.1	219.2	220.7
24.0	230.2	226.3	217.6	211.2	209.7	213.1	215.9	215.1	213.6	214.8
27.0	226.7	222.0	211.7	204.1	202.9	207.4	210.7	209.6	207.3	208.1
30.0	222.7	217.0	205.0	196.7	195.6	201.2	205.2	203.4	200.4	200.9
33.0	218.1	211.9	198.1	188.6	187.8	194.4	198.9	197.1	193.1	193.0
36.0	213.2	206.1	190.4	180.1	179.6	187.3	192.4	189.9	185.0	184.5
39.0	208.1	199.8	182.4	170.8	171.2	179.8	185.6	182.7	176.6	175.6
42.0	202.4	193.2	173.9	161.5	162.4	172.3	178.3	175.1	167.9	166.2
45.0	196.2	186.2	165.3	151.6	153.2	164.2	170.9	167.3	159.0	156.3
48.0	189.8	179.2	155.9	141.6	144.0	156.2	163.1	159.1	149.6	146.1
51.0	183.0	171.7	146.7	131.2	134.5	147.9	155.4	150.9	140.4	135.6
54.0	176.3	164.2	137.2	120.4	124.9	139.6	147.4	142.7	130.8	124.9
57.0	169.2	156.5	127.7	109.6	115.3	131.5	139.5	134.4	121.0	113.8
60.0	161.7	148.6	118.0	98.77	105.8	123.3	131.7	126.1	111.6	102.7
63.0	154.5	140.7	108.6	87.55	96.37	115.1	123.6	117.9	102.1	91.38
66.0	146.9	132.8	99.03	75.85	87.00	107.1	115.9	109.8	92.70	79.81
69.0	139.5	125.2	89.98	64.88	78.01	99.51	108.4	102.0	83.68	68.36
72.0	131.8	117.4	81.09	53.64	69.36	91.94	101.1	94.39	74.40	56.90
75.0	124.5	109.9	72.68	42.65	61.16	84.72	93.88	87.13	65.97	45.54
78.0	117.3	102.6	64.75	32.16	53.51	77.71	87.11	80.15	57.94	34.49
81.0	110.1	95.62	57.34	22.12	46.34	71.06	80.61	73.58	50.50	23.92
84.0	103.0	88.78	50.55	13.19	39.83	64.83	74.10	67.20	43.57	14.47
87.0	96.30	82.35	44.44	5.954	33.78	59.05	68.19	61.19	37.33	6.709
90.0	89.84	75.81	39.01	1.380	28.48	53.50	62.58	55.54	31.72	1.634
93.0	83.56	69.94	34.05	0.4434	23.82	48.31	57.25	50.22	26.71	0.3889
96.0	77.41	64.35	29.84	0.5479	19.81	43.55	52.23	45.26	22.38	0.4697
99.0	71.61	59.09	26.06	0.6590	16.42	39.06	47.52	40.66	18.70	0.5378
102.0	66.03	54.15	22.71	0.7691	13.08	34.97	43.13	36.33	15.17	0.6694
105.0	60.83	49.50	18.63	0.8656	10.44	31.18	39.03	32.32	12.13	0.7686
108.0	55.86	45.16	16.75	0.9607	8.867	27.58	35.15	28.44	10.23	0.8732
111.0	51.16	40.20	15.15	1.058	7.571	23.27	30.94	24.42	8.712	0.9614
114.0	45.87	36.21	13.89	1.152	6.491	20.62	27.47	21.61	7.450	1.067
117.0	41.82	32.95	12.39	1.258	5.552	18.27	24.44	19.04	6.377	1.168
120.0	38.04	29.91	10.89	1.367	4.848	16.16	21.66	16.74	5.485	1.274
123.0	34.35	27.15	9.685	1.481	4.296	14.23	19.14	14.66	4.763	1.381
126.0	31.06	24.58	8.747	1.587	3.862	12.47	16.83	12.81	4.185	1.482
129.0	28.03	21.63	7.405	1.692	3.520	10.86	14.74	11.10	3.750	1.581
132.0	25.22	18.41	6.029	1.789	3.225	9.409	12.82	9.573	3.402	1.669
135.0	22.35	15.92	4.537	1.875	2.954	8.081	11.04	8.211	3.107	1.756
138.0	20.08	13.85	3.074	1.944	2.724	6.947	9.426	7.022	2.845	1.843
141.0	17.95	11.92	1.649	2.027	2.534	6.011	8.009	6.045	2.610	1.922
144.0	15.97	10.29	0.266	2.122	2.382	5.213	6.772	5.210	2.408	2.005
147.0	14.16	8.978	4.936	2.218	2.355	4.541	5.743	4.508	2.292	2.115
150.0	12.55	7.615	4.664	2.296	2.393	3.963	4.868	3.886	2.309	2.184
153.0	11.08	6.905	4.479	2.360	2.430	3.447	4.121	3.368	2.328	2.244
156.0	9.371	6.107	4.362	2.428	2.484	3.013	3.482	2.924	2.372	2.310
159.0	8.420	5.438	3.849	2.496	2.532	2.687	2.951	2.614	2.418	2.376
162.0	7.437	4.700	3.675	2.546	2.582	2.637	2.604	2.582	2.482	2.454
165.0	6.224	4.331	3.537	2.595	2.626	2.634	2.546	2.586	2.531	2.506
168.0	3.997	3.758	3.368	2.624	2.662	2.643	2.559	2.630	2.595	2.560
171.0	3.255	3.441	2.938	2.649	2.699	2.664	2.614	2.662	2.650	2.613
174.0	2.900	2.896	2.706	2.676	2.694	2.706	2.646	2.703	2.661	2.661
177.0	2.695	2.695	2.692	2.703	2.711	2.695	2.677	2.695	2.691	2.698
180.0	2.700	2.694	2.703	2.714	2.719	2.698	2.696	2.692	2.703	2.717

G/C	300.0	330.0
0.0	239.7	239.9
3.0	240.0	240.6
6.0	239.6	240.6
9.0	238.6	240.1
12.0	236.4	238.8
15.0	233.8	237.0
18.0	230.4	234.7
21.0	226.2	231.7
24.0	221.3	228.0
27.0	215.5	223.9
30.0	209.3	219.1

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:

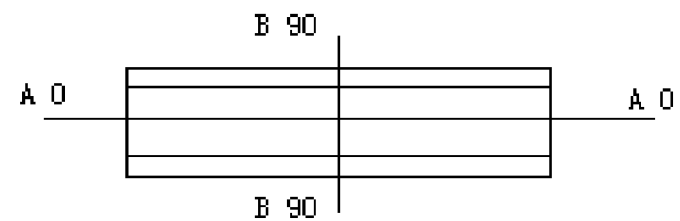
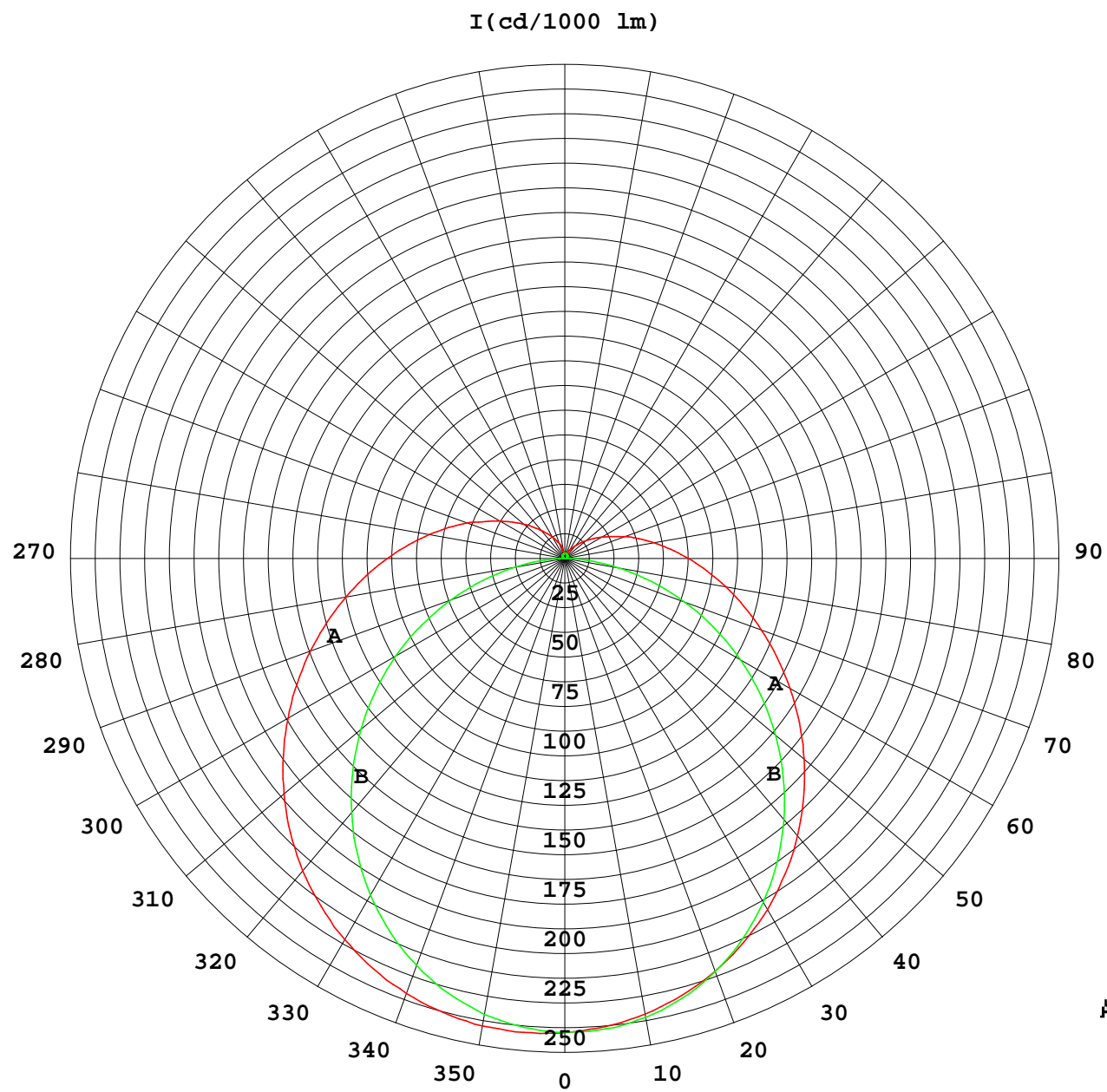
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

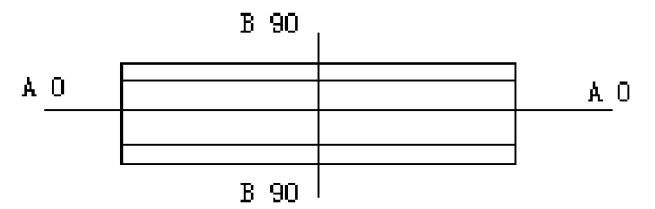
Photometric Data Table [cd/klm]

33.0	202.4	213.8
36.0	194.9	208.0
39.0	186.7	202.0
42.0	178.5	195.4
45.0	169.6	188.5
48.0	160.4	181.1
51.0	151.0	173.7
54.0	141.2	165.9
57.0	131.5	158.1
60.0	121.7	150.1
63.0	111.8	142.0
66.0	102.1	133.8
69.0	92.54	126.1
72.0	83.36	118.2
75.0	74.12	110.5
78.0	65.75	103.1
81.0	57.94	95.85
84.0	50.76	88.86
87.0	44.25	82.14
90.0	38.40	75.55
93.0	32.66	69.09
96.0	27.58	63.32
99.0	23.96	57.90
102.0	20.98	52.80
105.0	17.32	48.24
108.0	15.65	44.02
111.0	13.88	38.94
114.0	11.48	35.19
117.0	11.14	32.07
120.0	10.04	29.13
123.0	8.989	26.44
126.0	8.094	23.98
129.0	7.330	21.10
132.0	6.689	18.38
135.0	6.111	15.42
138.0	5.649	12.99
141.0	5.270	11.41
144.0	4.905	9.796
147.0	4.602	8.550
150.0	4.194	7.509
153.0	4.138	6.572
156.0	3.879	5.770
159.0	3.766	5.078
162.0	3.590	4.383
165.0	3.484	4.165
168.0	3.038	3.717
171.0	2.864	3.480
174.0	2.679	2.855
177.0	2.694	2.694
180.0	2.714	2.698

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:



$$K = 1$$


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

