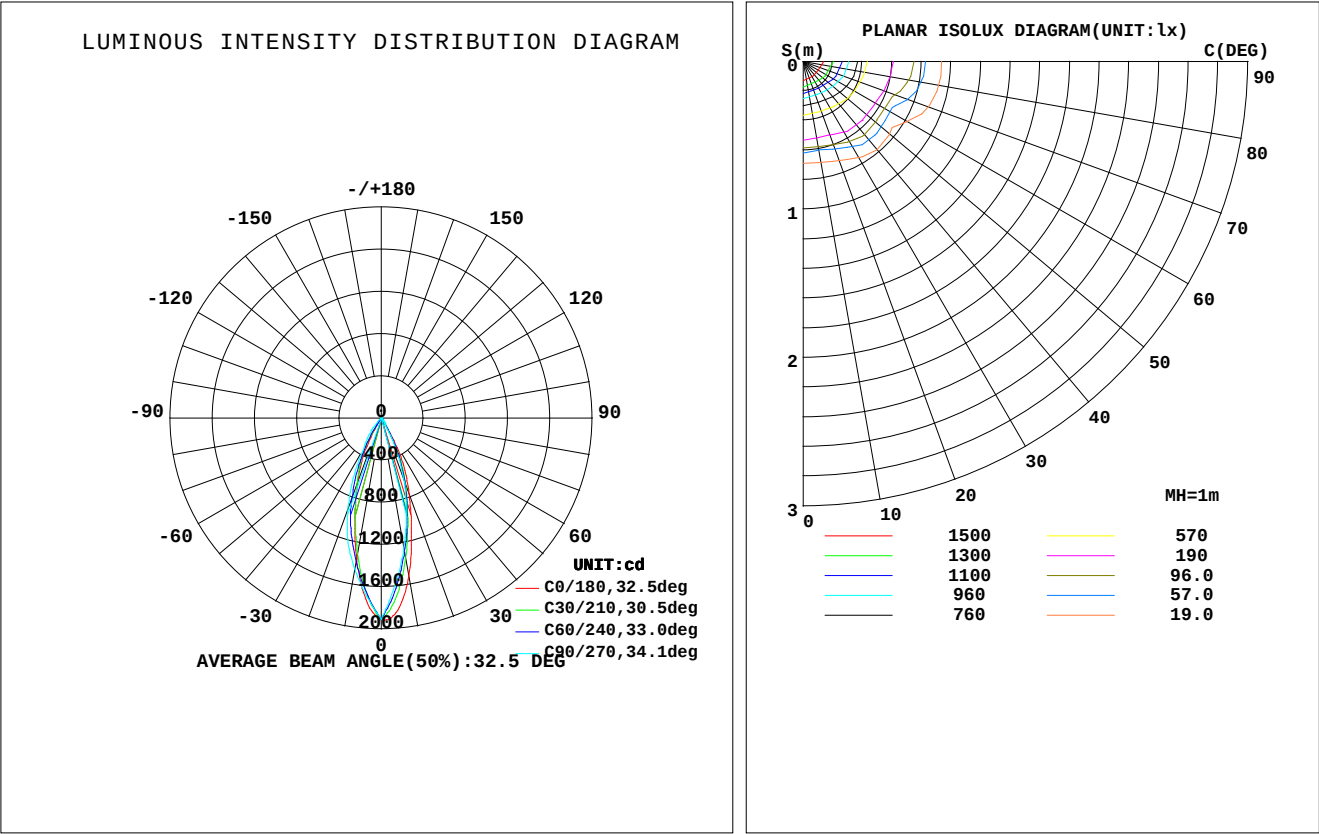


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.25 lm/W			
MODEL	TEEN	I _{max} (cd)	1917	S/MH(C0/180)	0.50
NOMINAL POWER(W)	12	LOR(%)	27.7	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	222	TOTAL FLUX(lm)	698.99	h UP, DN(C0-180)	0.1, 15.3
NOMINAL FLUX(lm)	1260	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.1, 12.3
LAMPS INSIDE	2	h up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	221.2	h down(%)	27.6	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

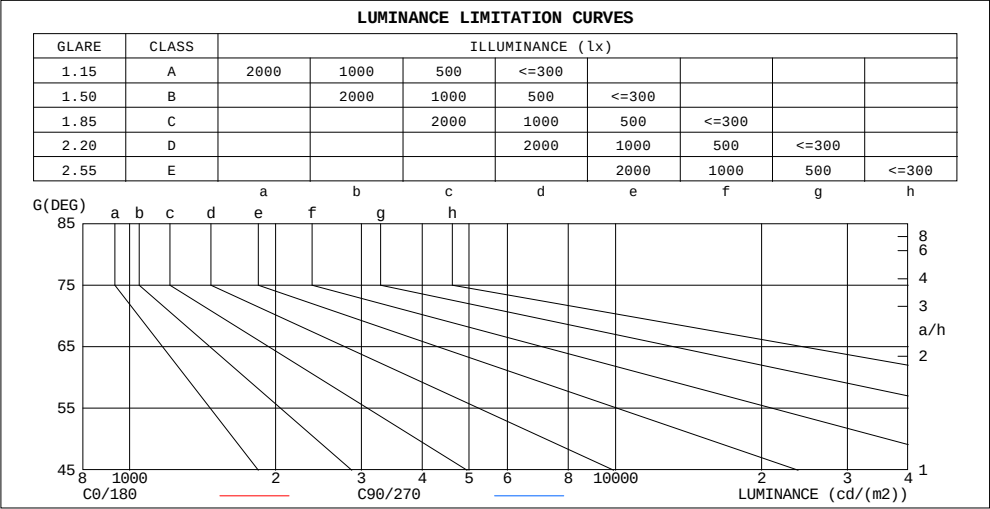
g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
5	1725	1656	1684	1721	1830	1652	1582	1587	0- 5	42.10	42.10	6.02,1.67
10	1356	1338	1457	1433	1515	1312	1252	1220	5- 10	107.0	149.1	21.3,5.92
15	973.7	1028	1230	1120	1122	971.1	922.7	884.5	10- 15	138.9	288.0	41.2,11.4
20	672.2	773.1	931.5	844.7	784.4	685.6	644.2	621.3	15- 20	142.4	430.4	61.6,17.1
25	431.2	498.4	633.3	556.6	522.9	438.1	365.6	390.1	20- 25	123.9	554.3	79.3,22
30	151.1	268.5	335.1	307.6	215.5	230.7	87.09	201.3	25- 30	83.95	638.2	91.3,25.3
35	24.04	100.5	224.4	118.5	34.89	68.23	58.28	59.15	30- 35	36.56	674.8	96.5,26.8
40	5.261	10.10	113.6	11.06	6.517	4.593	29.47	3.822	35- 40	14.01	688.8	98.5,27.3
45	1.239	4.048	2.899	4.252	1.540	1.996	0.6587	1.645	40- 45	4.954	693.7	99.2,27.5
50	0.5130	1.428	2.038	1.437	0.4491	0.7572	0.4823	0.6500	45- 50	0.6870	694.4	99.3,27.6
55	0.3271	0.3674	1.178	0.3455	0.2728	0.2355	0.3059	0.2457	50- 55	0.2429	694.7	99.4,27.6
60	0.2118	0.2790	0.3176	0.2506	0.1647	0.1557	0.1294	0.1743	55- 60	0.1451	694.8	99.4,27.6
65	0.1389	0.2164	0.3353	0.1809	0.0965	0.0851	0.1078	0.1132	60- 65	0.0907	694.9	99.4,27.6
70	0.0894	0.2078	0.3530	0.1624	0.0564	0.0442	0.0863	0.0748	65- 70	0.0764	695.0	99.4,27.6
75	0.0565	0.2532	0.3706	0.2108	0.0259	0.0308	0.0647	0.0552	70- 75	0.0725	695.0	99.4,27.6
80	0.0353	0.2986	0.3883	0.2673	0.0094	0.0196	0.0431	0.0361	75- 80	0.0752	695.1	99.4,27.6
85	0.0165	0.3477	0.4060	0.3279	0.0047	0.0095	0.0216	0.0178	80- 85	0.0845	695.2	99.5,27.6
90	0	0.3999	0.4237	0.3906	0.0029	0.0000	0	0.0000	85- 90	0.1022	695.3	99.5,27.6
95	0.0353	0.3463	0.3868	0.3443	0	0	0.0004	0	90- 95	0.1012	695.4	99.5,27.6
100	0.0612	0.2972	0.3499	0.2983	0	0	0.0008	0	95-100	0.0787	695.5	99.5,27.6
105	0.0965	0.2486	0.3130	0.2534	0	0	0.0012	0	100-105	0.0627	695.5	99.5,27.6
110	0.0965	0.2019	0.2761	0.2122	0	0	0.0016	0	105-110	0.0545	695.6	99.5,27.6
115	0.0965	0.1626	0.2392	0.2007	0	0.0077	0.0019	0.0018	110-115	0.0502	695.7	99.5,27.6
120	0.0965	0.1395	0.2024	0.2318	0	0.0300	0.0023	0.0133	115-120	0.0479	695.7	99.5,27.6
125	0.1200	0.1290	0.3027	0.2901	0.0141	0.0689	0.1498	0.0438	120-125	0.0633	695.8	99.5,27.6
130	0.1600	0.2852	0.4031	0.4532	0.0540	0.2138	0.2972	0.2111	125-130	0.0947	695.9	99.6,27.6
135	0.2591	0.4735	0.5035	0.6731	0.1222	0.4171	0.4447	0.4413	130-135	0.1400	696.0	99.6,27.6
140	0.4474	0.6030	0.8839	0.9732	0.3035	0.6932	0.8894	0.7380	135-140	0.2124	696.2	99.6,27.6
145	0.7769	0.8587	1.264	1.345	0.6398	1.062	1.334	1.124	140-145	0.2977	696.5	99.6,27.6
150	1.233	1.328	1.645	1.785	1.105	1.514	1.779	1.597	145-150	0.3804	696.9	99.7,27.7
155	1.762	1.934	2.122	2.244	1.667	2.040	2.268	2.144	150-155	0.4467	697.3	99.8,27.7
160	2.335	2.500	2.598	2.745	2.299	2.592	2.758	2.705	155-160	0.4776	697.8	99.8,27.7
165	2.906	2.879	3.075	3.066	2.913	3.000	3.247	3.087	160-165	0.4581	698.3	99.9,27.7
170	3.381	3.250	3.324	3.368	3.435	3.378	3.471	3.436	165-170	0.3782	698.6	100,27.7
175	3.708	3.580	3.572	3.619	3.786	3.694	3.694	3.728	170-175	0.2512	698.9	100,27.7
180	3.821	3.821	3.821	3.821	3.918	3.918	3.918	3.918	175-180	0.0896	699.0	100,27.7
DEG	LUMINOUS INTENSITY:cd									UNIT: Lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	9	233
80	10	112
75	11	72
70	13	52
65	16	40
60	21	32
55	29	103
50	40	159
45	88	205

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

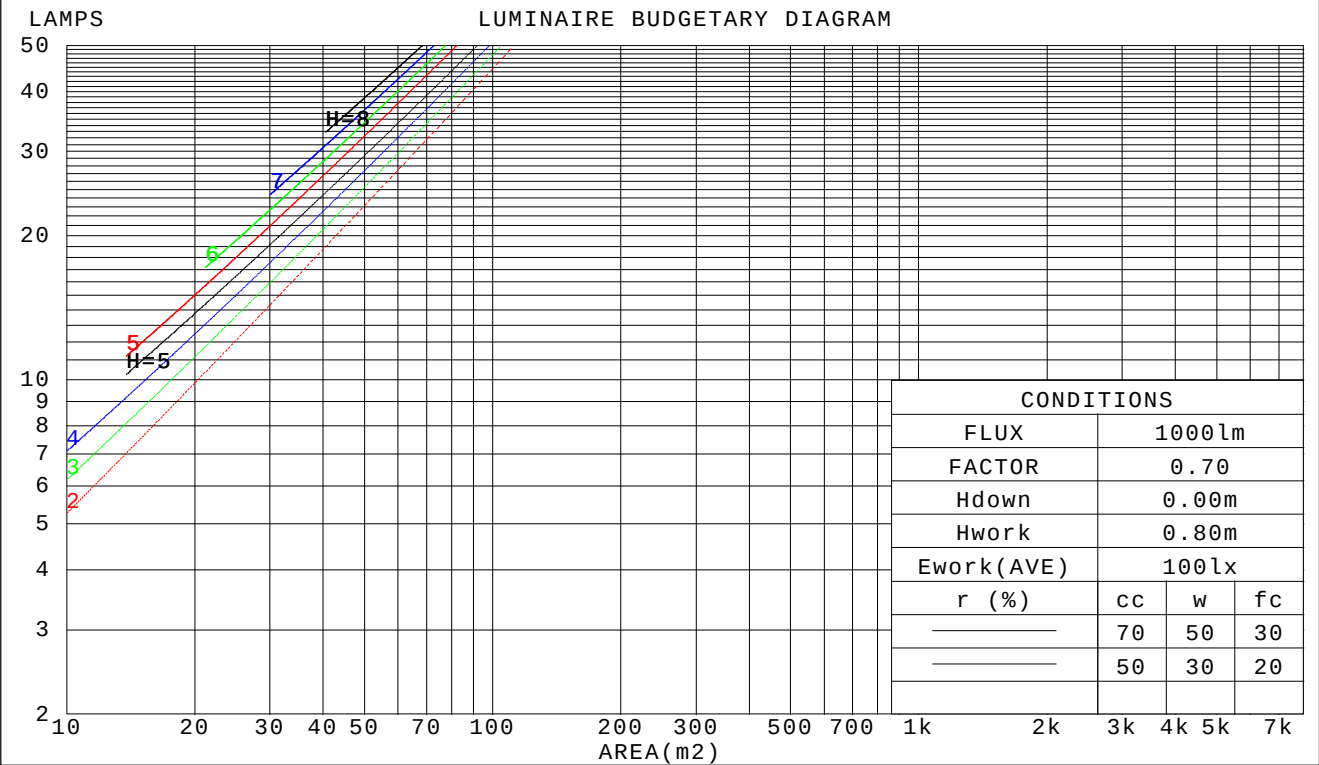
g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	.33	.33	.33	.32	.32	.32	.31	.31	.31	.29	.29	.29	.28	.28	.28	.28
1.0	.31	.30	.30	.30	.30	.29	.29	.29	.29	.28	.28	.28	.27	.27	.27	.26
2.0	.29	.28	.28	.29	.28	.27	.28	.27	.27	.27	.27	.26	.26	.26	.26	.25
3.0	.28	.27	.26	.27	.26	.26	.27	.26	.25	.26	.25	.25	.25	.25	.24	.24
4.0	.26	.25	.24	.26	.25	.24	.26	.25	.24	.25	.24	.24	.25	.24	.23	.23
5.0	.25	.24	.23	.25	.24	.23	.25	.23	.23	.24	.23	.22	.24	.23	.22	.22
6.0	.24	.23	.22	.24	.23	.22	.24	.22	.22	.23	.22	.21	.23	.22	.21	.21
7.0	.23	.22	.21	.23	.22	.21	.23	.21	.21	.22	.21	.21	.22	.21	.20	.20
8.0	.22	.21	.20	.22	.21	.20	.22	.21	.20	.21	.20	.20	.21	.20	.20	.19
9.0	.21	.20	.19	.21	.20	.19	.21	.20	.19	.21	.20	.19	.20	.19	.19	.19
10.0	.20	.19	.18	.20	.19	.18	.20	.19	.18	.20	.19	.18	.20	.19	.18	.18



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.042 .024 .008	.040 .023 .007	.037 .021 .007	.033 .019 .006	.030 .018 .006	
2.0	.040 .022 .007	.038 .021 .006	.035 .019 .006	.032 .018 .006	.030 .017 .005	
3.0	.037 .020 .006	.036 .019 .006	.033 .018 .006	.031 .017 .005	.029 .016 .005	
4.0	.035 .018 .005	.034 .018 .005	.032 .017 .005	.030 .016 .005	.028 .015 .005	
5.0	.033 .017 .005	.032 .017 .005	.031 .016 .005	.029 .015 .005	.027 .015 .004	
6.0	.032 .016 .005	.031 .016 .005	.029 .015 .004	.028 .015 .004	.027 .014 .004	
7.0	.030 .015 .004	.030 .015 .004	.028 .014 .004	.027 .014 .004	.026 .013 .004	
8.0	.029 .014 .004	.029 .014 .004	.027 .014 .004	.026 .013 .004	.025 .013 .004	
9.0	.028 .014 .004	.027 .013 .004	.026 .013 .004	.025 .013 .004	.024 .012 .004	
10.0	.027 .013 .004	.026 .013 .004	.025 .012 .004	.024 .012 .003	.024 .012 .003	

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.054 .054 .054	.046 .046 .046	.031 .031 .031	.018 .018 .018	.006 .006 .006	
1.0	.048 .045 .042	.041 .038 .036	.028 .026 .025	.016 .015 .014	.005 .005 .005	
2.0	.043 .038 .033	.037 .033 .029	.025 .023 .020	.015 .013 .012	.005 .004 .004	
3.0	.040 .033 .027	.034 .028 .023	.023 .020 .016	.013 .011 .010	.004 .004 .003	
4.0	.036 .028 .022	.031 .025 .019	.021 .017 .014	.012 .010 .008	.004 .003 .003	
5.0	.034 .025 .019	.029 .022 .016	.020 .015 .012	.012 .009 .007	.004 .003 .002	
6.0	.031 .022 .016	.027 .019 .014	.019 .014 .010	.011 .008 .006	.003 .003 .002	
7.0	.029 .020 .014	.025 .017 .012	.017 .012 .008	.010 .007 .005	.003 .002 .002	
8.0	.028 .018 .012	.024 .016 .010	.017 .011 .007	.010 .007 .004	.003 .002 .001	
9.0	.026 .017 .011	.023 .015 .009	.016 .010 .007	.009 .006 .004	.003 .002 .001	
10.0	.025 .016 .009	.022 .014 .008	.015 .010 .006	.009 .006 .003	.003 .002 .001	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

NAME: 653L01新 (3000)						TYPE:		WEIGHT:		
DIM.:						SPEC.:		SERIAL No.:2025020402		
MFR.:						SUR.:		PROTECTION 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				
x = 2H y = 2H						Viewed endwise				
3H						9.9	10.7	10.1	10.9	11.0
4H						9.8	10.5	10.0	10.7	10.9
6H						9.7	10.4	10.0	10.6	10.8
8H						9.6	10.2	9.9	10.5	10.7
12H						9.6	10.2	9.9	10.4	10.7
2H						9.5	10.1	9.9	10.4	10.7
3H						9.7	10.4	10.0	10.6	10.8
4H						9.5	10.1	9.8	10.4	10.6
6H						9.4	9.9	9.8	10.2	10.6
8H						9.3	9.8	9.7	10.1	10.5
12H						9.3	9.7	9.7	10.1	10.5
2H						9.3	9.7	9.7	10.1	10.5
3H						9.3	9.7	9.7	10.1	10.5
4H						9.2	9.5	9.6	9.9	10.4
6H						9.1	9.5	9.6	9.9	10.3
8H						9.1	9.4	9.6	9.9	10.3
12H						9.1	9.4	9.6	9.8	10.3
2H						9.2	9.6	9.6	10.0	10.4
3H						9.1	9.4	9.6	9.9	10.3
4H						9.1	9.4	9.6	9.8	10.3
6H						9.1	9.4	9.6	9.8	10.3
8H						9.1	9.4	9.6	9.8	10.3
12H						9.1	9.4	9.6	9.8	10.3
Variations with the observer position at spacings:										
S = 1.0H		+ 2.7 / - 6.1					+ 5.4 / -14.0			
1.5H		+ 5.3 / - 5.9					+ 8.2 / -14.1			
2.0H		+ 1.5 / - 0.6					+ 1.0 / - 1.9			

CIE Pub.117 Corrected 2520 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:

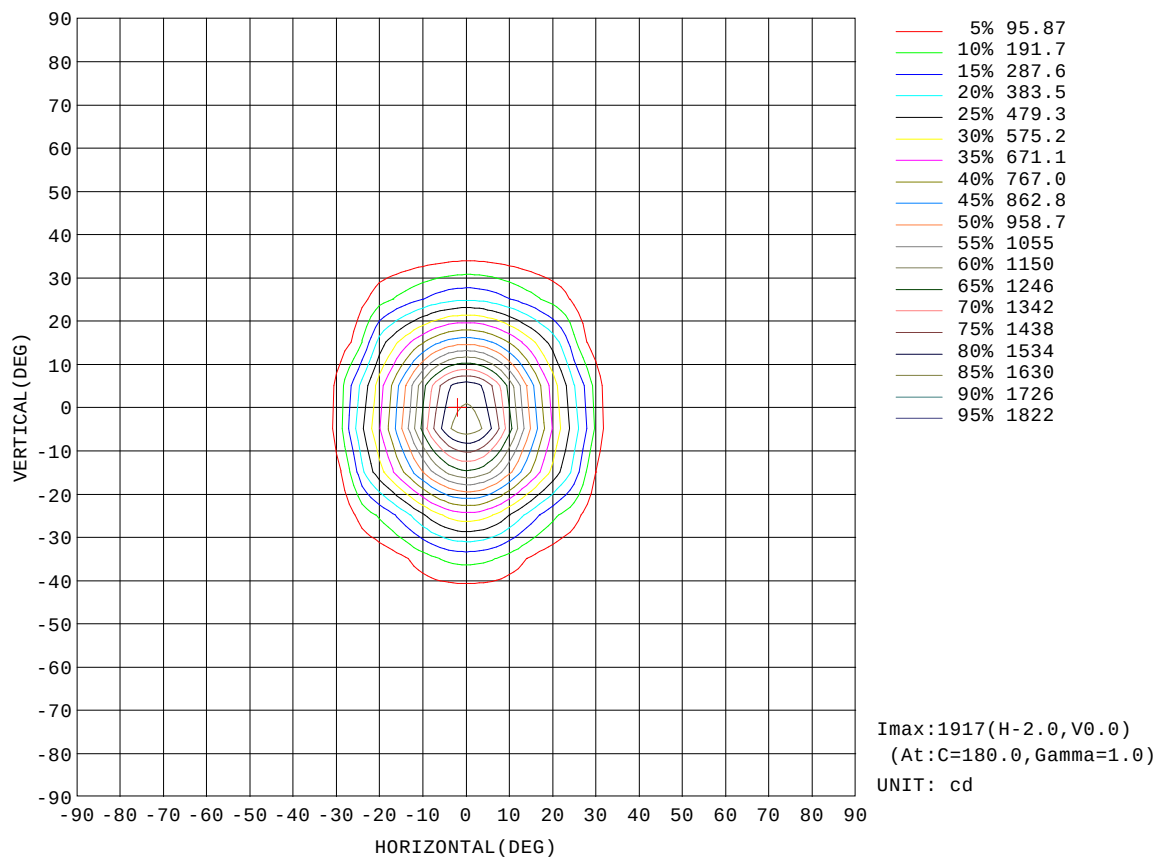
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	25	24	23	25	24	23	25	23	23	22
0.80	27	26	25	27	26	25	27	25	25	24
1.00	28	27	26	28	27	26	27	27	26	25
1.25	29	28	27	29	28	27	28	27	27	26
1.50	30	29	28	29	28	28	29	28	27	26
2.00	30	29	29	30	29	28	29	28	28	26
2.50	31	30	29	30	30	29	30	29	28	27
3.00	31	30	30	31	30	29	30	29	29	27
4.00	32	31	30	31	31	30	30	30	29	27
5.00	32	31	31	31	31	31	30	30	30	28
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:

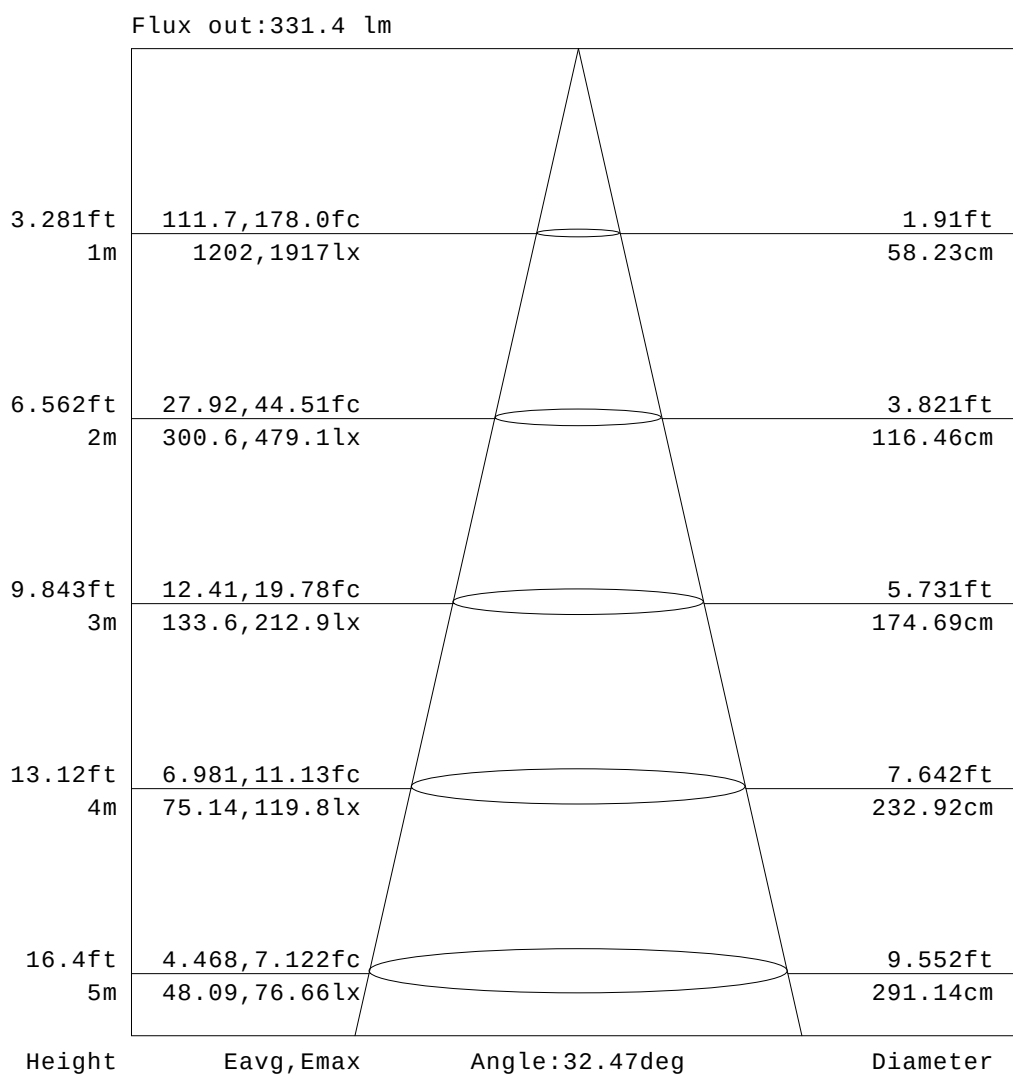


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 5.0DEG	g Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Temperature:30DEG	Humidity:65.0%
Operators:	Test Distance:5.835m [K=1.0000]
Test Date:2025-02-24	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:



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

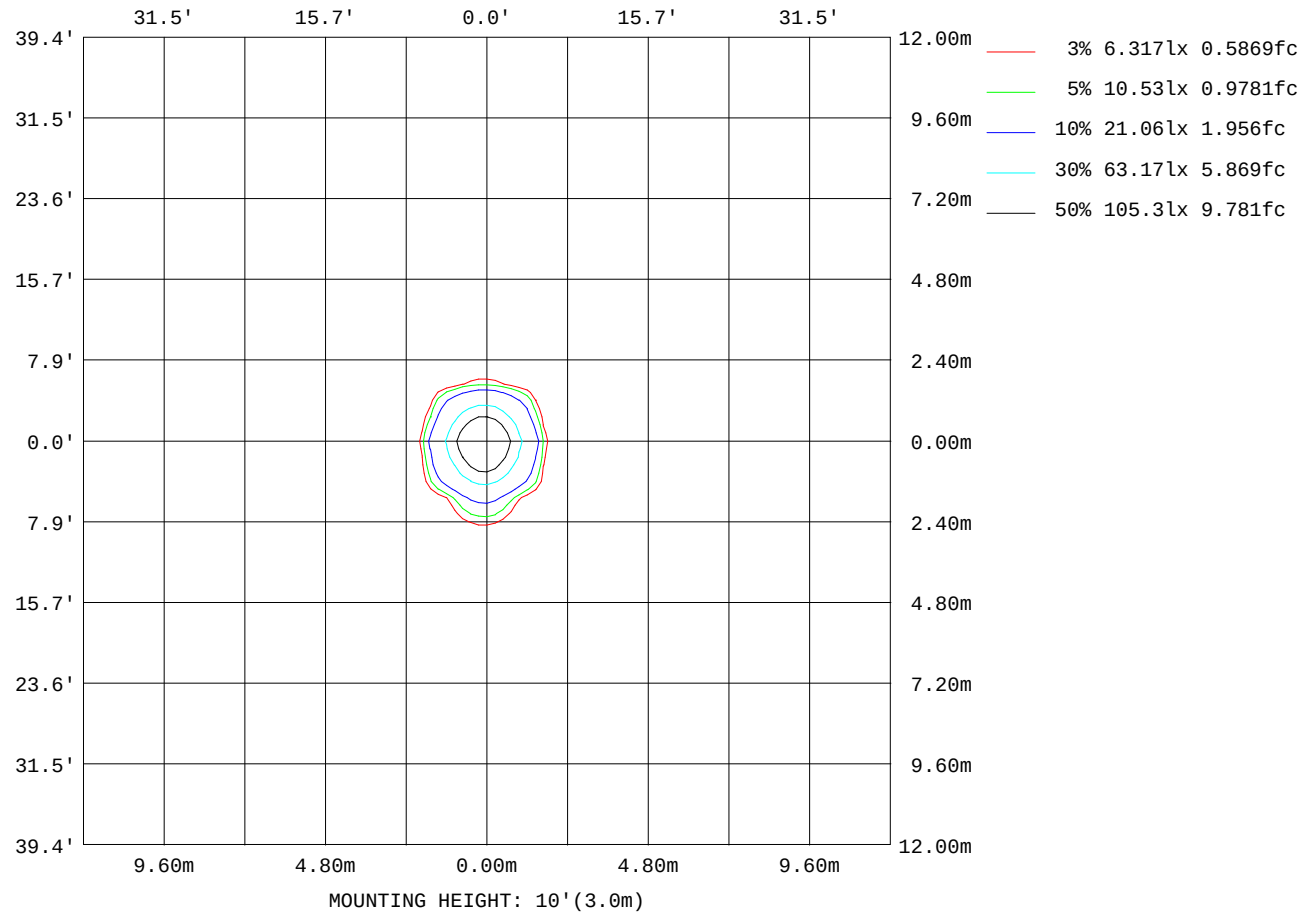
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

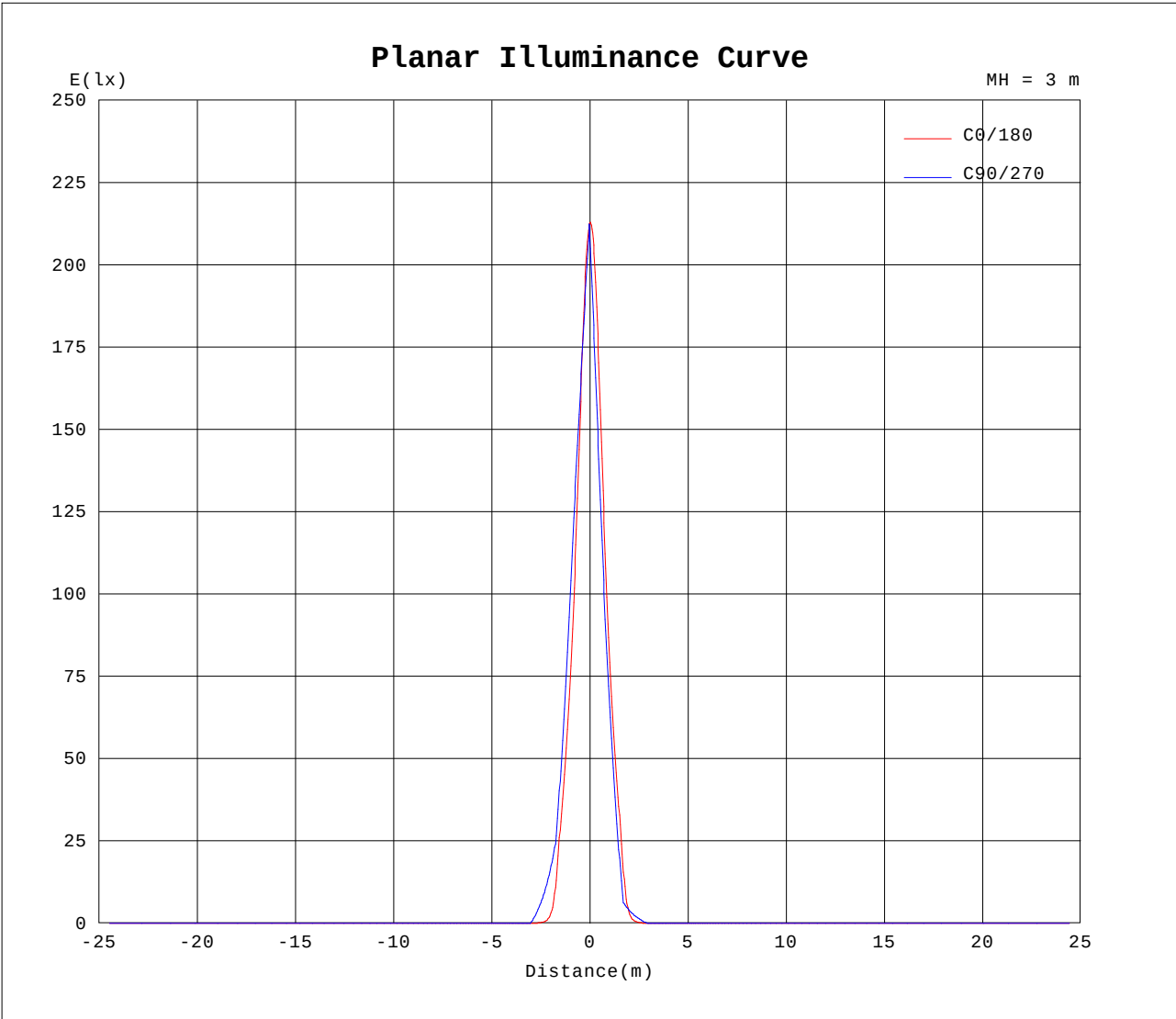
NAME: 653L01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025020402
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators:
Test Date: 2025-02-24

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 5.835m [K=1.0000]
Remarks: