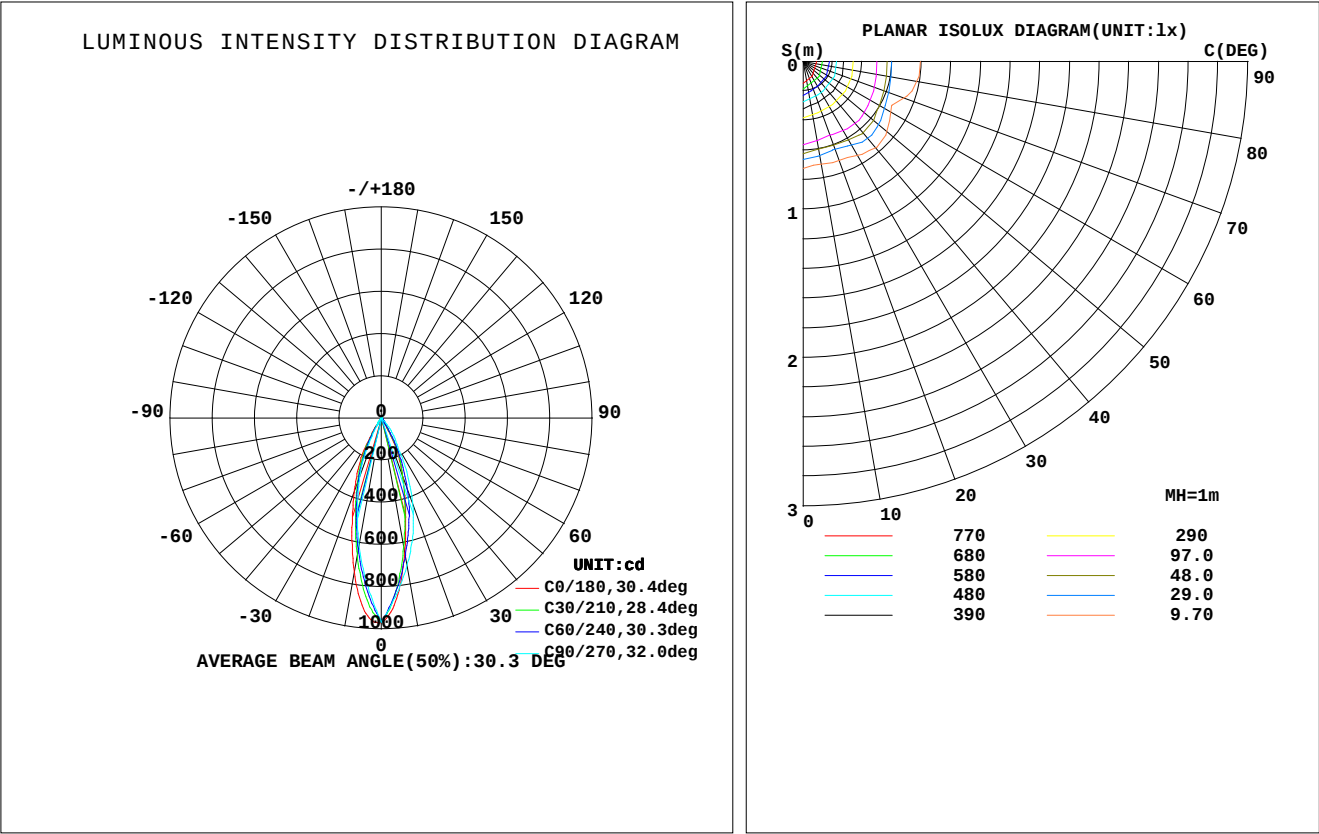


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.78 lm/W			
MODEL	TEEN	I _{max} (cd)	971.9	S/MH(C0/180)	0.54
NOMINAL POWER(W)	7	LOR(%)	45.4	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	222	TOTAL FLUX(lm)	333.57	h UP, DN(C0-180)	0.0, 20.3
NOMINAL FLUX(lm)	735	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 25.0
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	221.3	h down(%)	45.4	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

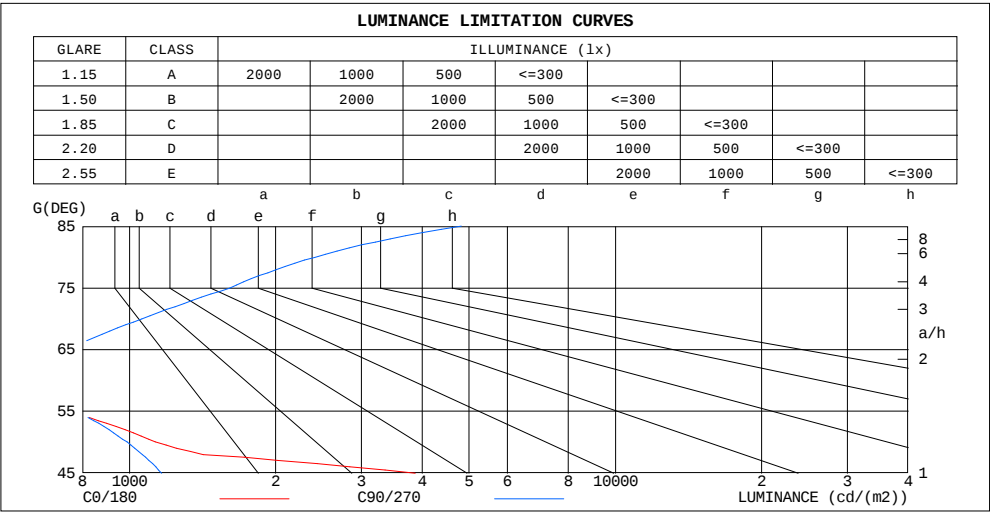
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

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	918.9	826.8	790.2	788.8	858.5	820.3	839.5	861.1	0- 5	21.14	21.14	6.34,2.88
10	741.5	644.4	611.8	587.3	648.6	638.3	710.4	704.5	5- 10	52.64	73.77	22.1,10
15	539.1	470.2	433.4	412.8	448.7	470.2	581.3	542.3	10- 15	66.48	140.3	42,19.1
20	377.3	334.3	303.9	285.0	303.2	340.8	440.2	406.5	15- 20	66.93	207.2	62.1,28.2
25	255.8	217.7	174.4	179.0	195.2	217.8	299.0	269.5	20- 25	58.22	265.4	79.6,36.1
30	126.2	120.0	44.94	89.94	59.29	117.4	157.9	151.8	25- 30	40.00	305.4	91.6,41.6
35	20.91	41.73	30.05	23.55	10.41	42.10	105.8	62.08	30- 35	17.97	323.4	96.9,44
40	4.000	2.573	15.17	1.689	2.230	4.449	53.68	7.219	35- 40	6.997	330.4	99,44.9
45	0.9297	1.095	0.2800	0.7171	0.4928	1.741	1.569	2.736	40- 45	2.481	332.9	99.8,45.3
50	0.2471	0.3968	0.2157	0.2743	0.1999	0.6006	1.075	0.8810	45- 50	0.3500	333.2	99.9,45.3
55	0.1506	0.1028	0.1514	0.1101	0.1129	0.1587	0.5812	0.1508	50- 55	0.1154	333.3	99.9,45.3
60	0.0941	0.0902	0.0871	0.0836	0.0635	0.0983	0.0871	0.1035	55- 60	0.0642	333.4	99.9,45.4
65	0.0565	0.0821	0.1051	0.0590	0.0329	0.0458	0.0596	0.0651	60- 65	0.0360	333.4	100,45.4
70	0.0353	0.0930	0.1231	0.0629	0.0094	0.0173	0.0322	0.0398	65- 70	0.0283	333.4	100,45.4
75	0.0188	0.1161	0.1412	0.0969	0.0023	0.0107	0.0047	0.0171	70- 75	0.0260	333.5	100,45.4
80	0.0094	0.1377	0.1420	0.1330	0.0000	0.0066	0.0031	0	75- 80	0.0274	333.5	100,45.4
85	0.0000	0.1628	0.1427	0.1591	0.0000	0.0033	0.0016	0	80- 85	0.0326	333.5	100,45.4
90	0	0.1882	0.1435	0.1859	0.0013	0.0000	0	0	85- 90	0.0413	333.6	100,45.4
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	1	4817
80	159	2404
75	214	1604
70	303	1059
65	393	731
60	554	512
55	772	776
50	1131	987
45	3867	1165

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

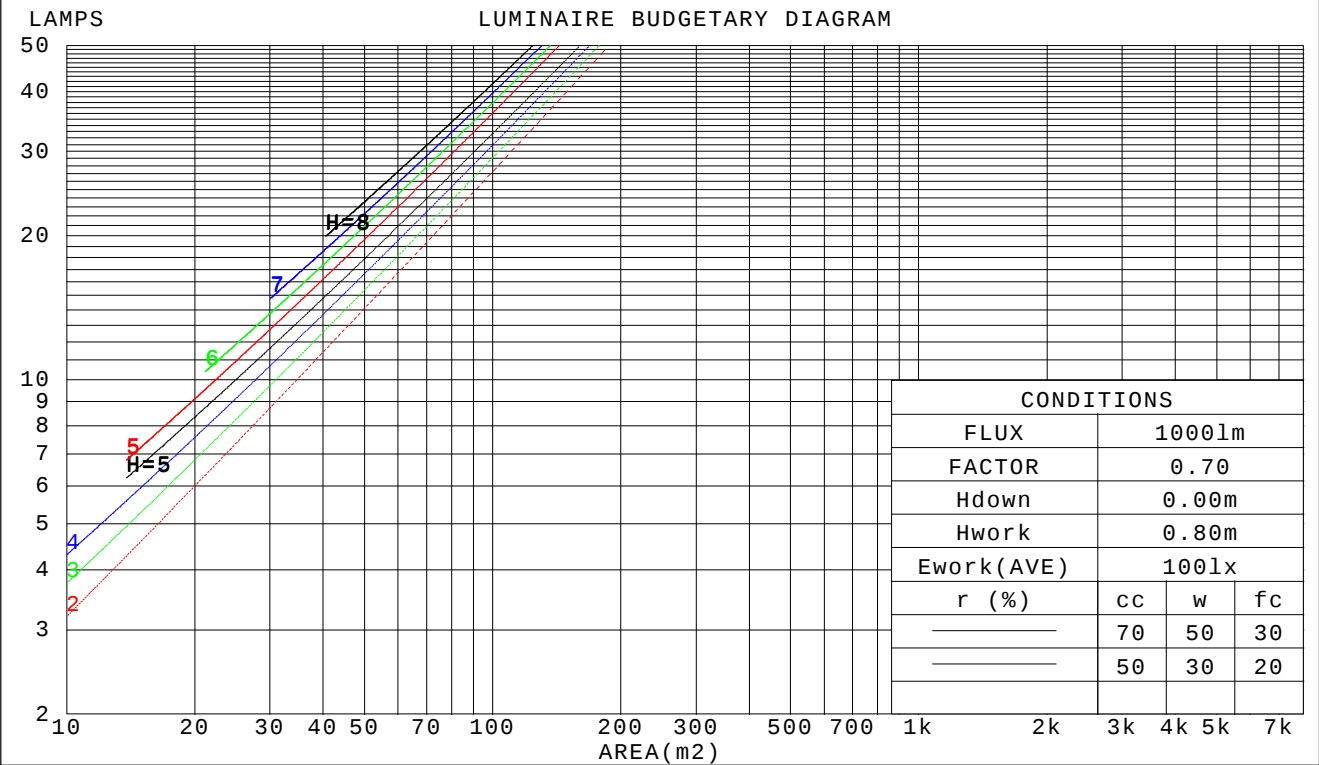
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
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	.54	.54	.54	.53	.53	.53	.50	.50	.50	.48	.48	.48	.46	.46	.46	.45
1.0	.51	.50	.49	.50	.49	.48	.48	.47	.47	.46	.46	.45	.45	.45	.44	.43
2.0	.48	.47	.45	.47	.46	.45	.46	.45	.44	.45	.44	.43	.43	.43	.42	.41
3.0	.46	.44	.42	.45	.43	.42	.44	.43	.41	.43	.42	.41	.42	.41	.40	.39
4.0	.43	.41	.40	.43	.41	.40	.42	.40	.39	.41	.40	.39	.40	.39	.38	.38
5.0	.41	.39	.38	.41	.39	.38	.40	.39	.37	.40	.38	.37	.39	.38	.37	.36
6.0	.40	.37	.36	.39	.37	.36	.39	.37	.36	.38	.37	.35	.38	.36	.35	.35
7.0	.38	.36	.34	.38	.36	.34	.37	.35	.34	.37	.35	.34	.36	.35	.34	.33
8.0	.36	.34	.33	.36	.34	.33	.36	.34	.33	.35	.34	.32	.35	.33	.32	.32
9.0	.35	.33	.31	.35	.33	.31	.34	.33	.31	.34	.32	.31	.34	.32	.31	.31
10.0	.34	.32	.30	.33	.31	.30	.33	.31	.30	.33	.31	.30	.33	.31	.30	.29



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

g Range: 0 - 90DEG
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: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
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 Coeffcients(WEC)												
0.0																
1.0	.069	.039	.012	.066	.037	.012	.060	.034	.011	.055	.032	.010	.050	.029	.009	
2.0	.064	.035	.011	.062	.034	.010	.057	.032	.010	.053	.030	.009	.049	.028	.009	
3.0	.061	.032	.010	.058	.031	.009	.055	.030	.009	.051	.028	.009	.048	.026	.008	
4.0	.057	.030	.009	.056	.029	.009	.052	.028	.008	.049	.026	.008	.046	.025	.008	
5.0	.054	.028	.008	.053	.027	.008	.050	.026	.008	.047	.025	.007	.045	.024	.007	
6.0	.052	.026	.007	.051	.026	.007	.048	.025	.007	.046	.024	.007	.043	.023	.007	
7.0	.050	.024	.007	.048	.024	.007	.046	.023	.007	.044	.023	.007	.042	.022	.006	
8.0	.047	.023	.007	.046	.023	.006	.044	.022	.006	.043	.022	.006	.041	.021	.006	
9.0	.046	.022	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.040	.020	.006	
10.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.040	.020	.006	.039	.019	.006	

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	.086	.086	.086	.074	.074	.074	.050	.050	.050	.029	.029	.029	.009	.009	.009	
1.0	.077	.071	.067	.066	.061	.057	.045	.042	.040	.026	.024	.023	.008	.008	.007	
2.0	.069	.060	.053	.059	.052	.046	.041	.036	.032	.023	.021	.019	.008	.007	.006	
3.0	.063	.051	.042	.054	.044	.037	.037	.031	.026	.021	.018	.015	.007	.006	.005	
4.0	.057	.045	.035	.049	.039	.030	.034	.027	.021	.020	.016	.013	.006	.005	.004	
5.0	.053	.039	.029	.046	.034	.025	.031	.024	.018	.018	.014	.011	.006	.005	.003	
6.0	.049	.035	.024	.042	.030	.021	.029	.021	.015	.017	.012	.009	.005	.004	.003	
7.0	.046	.031	.021	.040	.027	.018	.027	.019	.013	.016	.011	.008	.005	.004	.003	
8.0	.043	.028	.018	.037	.024	.015	.026	.017	.011	.015	.010	.007	.005	.003	.002	
9.0	.041	.026	.015	.035	.022	.013	.024	.016	.010	.014	.009	.006	.005	.003	.002	
10.0	.039	.024	.013	.033	.020	.012	.023	.014	.008	.014	.009	.005	.004	.003	.002	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

g Range: 0 - 90DEG
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: 653M01新 (3000)						TYPE:			WEIGHT:		
DIM.:						SPEC.:			SERIAL No.:2025022404		
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					Viewed endwise				
x = 2H y = 2H	2H	14.7	15.4	14.9	15.6	15.7	13.2	14.0	13.5	14.2	14.3
	3H	14.5	15.2	14.7	15.4	15.6	13.1	13.8	13.3	14.0	14.2
	4H	14.4	15.1	14.7	15.3	15.5	13.0	13.7	13.3	13.9	14.1
	6H	14.3	15.0	14.6	15.2	15.4	13.0	13.6	13.3	13.8	14.1
	8H	14.3	14.9	14.6	15.1	15.4	12.9	13.6	13.2	13.8	14.1
	12H	14.2	14.8	14.6	15.1	15.3	12.9	13.5	13.3	13.8	14.1
	4H	2H	14.4	15.1	14.7	15.3	15.5	13.0	13.7	13.3	13.9
	3H	14.2	14.8	14.6	15.1	15.4	12.8	13.4	13.2	13.7	14.0
	4H	14.1	14.7	14.5	15.0	15.3	12.8	13.3	13.1	13.6	13.9
	6H	14.0	14.5	14.4	14.8	15.2	12.7	13.2	13.1	13.5	13.9
	8H	14.0	14.4	14.4	14.8	15.1	12.7	13.2	13.1	13.5	13.9
	12H	13.9	14.3	14.3	14.7	15.1	12.8	13.2	13.2	13.5	13.9
8H	4H	14.0	14.4	14.4	14.8	15.1	12.6	13.1	13.0	13.4	13.8
	6H	13.9	14.3	14.3	14.6	15.1	12.6	13.0	13.0	13.4	13.8
	8H	13.9	14.2	14.3	14.6	15.0	12.6	13.0	13.1	13.4	13.8
	12H	13.8	14.1	14.3	14.5	15.0	12.7	13.0	13.2	13.5	13.9
12H	4H	14.0	14.3	14.4	14.7	15.1	12.6	13.0	13.0	13.3	13.7
	6H	13.9	14.2	14.3	14.6	15.0	12.6	12.9	13.0	13.3	13.7
	8H	13.8	14.1	14.3	14.5	15.0	12.6	12.9	13.1	13.3	13.8
Variations with the observer position at spacings:											
S = 1.0H		+ 4.9 / - 7.6					+ 4.8 / - 9.2				
1.5H		+ 7.7 / - 7.5					+ 7.6 / - 9.3				
2.0H		+ 3.3 / - 0.9					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 735.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.1)

C Range: 0 - 360DEG	g Range: 0 - 90DEG
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:2024-11-15	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

NAME: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
MFR.:	SUR.:	PROTECTION ANGLE:

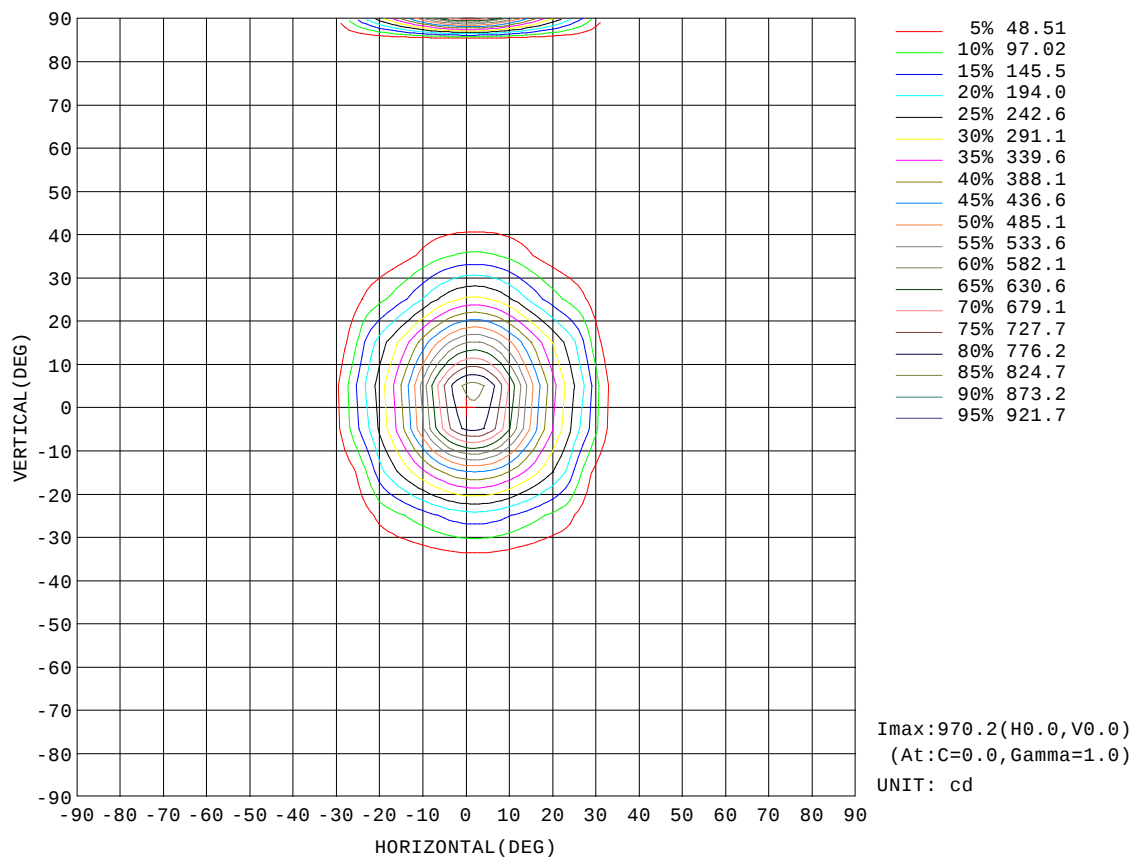
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	41	39	37	41	39	37	41	38	37	36
0.80	44	42	41	44	42	41	44	42	40	39
1.00	46	44	42	46	44	42	45	44	42	40
1.25	48	46	44	47	45	44	46	45	44	42
1.50	49	47	46	48	47	45	47	46	45	43
2.00	50	48	47	49	48	46	48	47	46	44
2.50	51	49	48	50	48	47	48	47	46	44
3.00	51	50	49	50	49	48	49	48	47	44
4.00	52	51	50	51	50	49	49	49	48	45
5.00	53	52	51	52	51	50	50	49	49	45
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:2024-11-15

g Range: 0 - 90DEG
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: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
MFR.:	SUR.:	PROTECTION ANGLE:

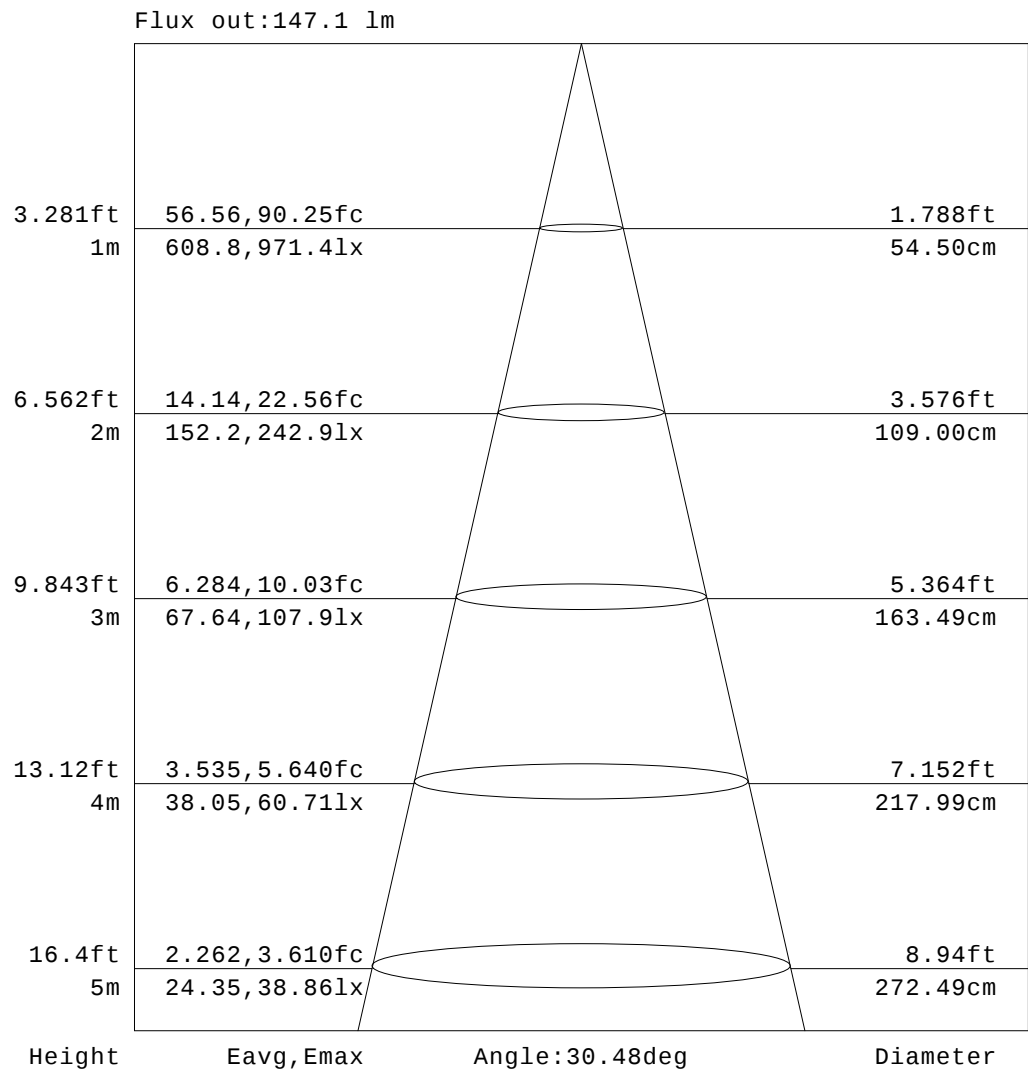


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

g Range: 0 - 90DEG
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:

AAI Figure

NAME: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
MFR.:	SUR.:	PROTECTION ANGLE:



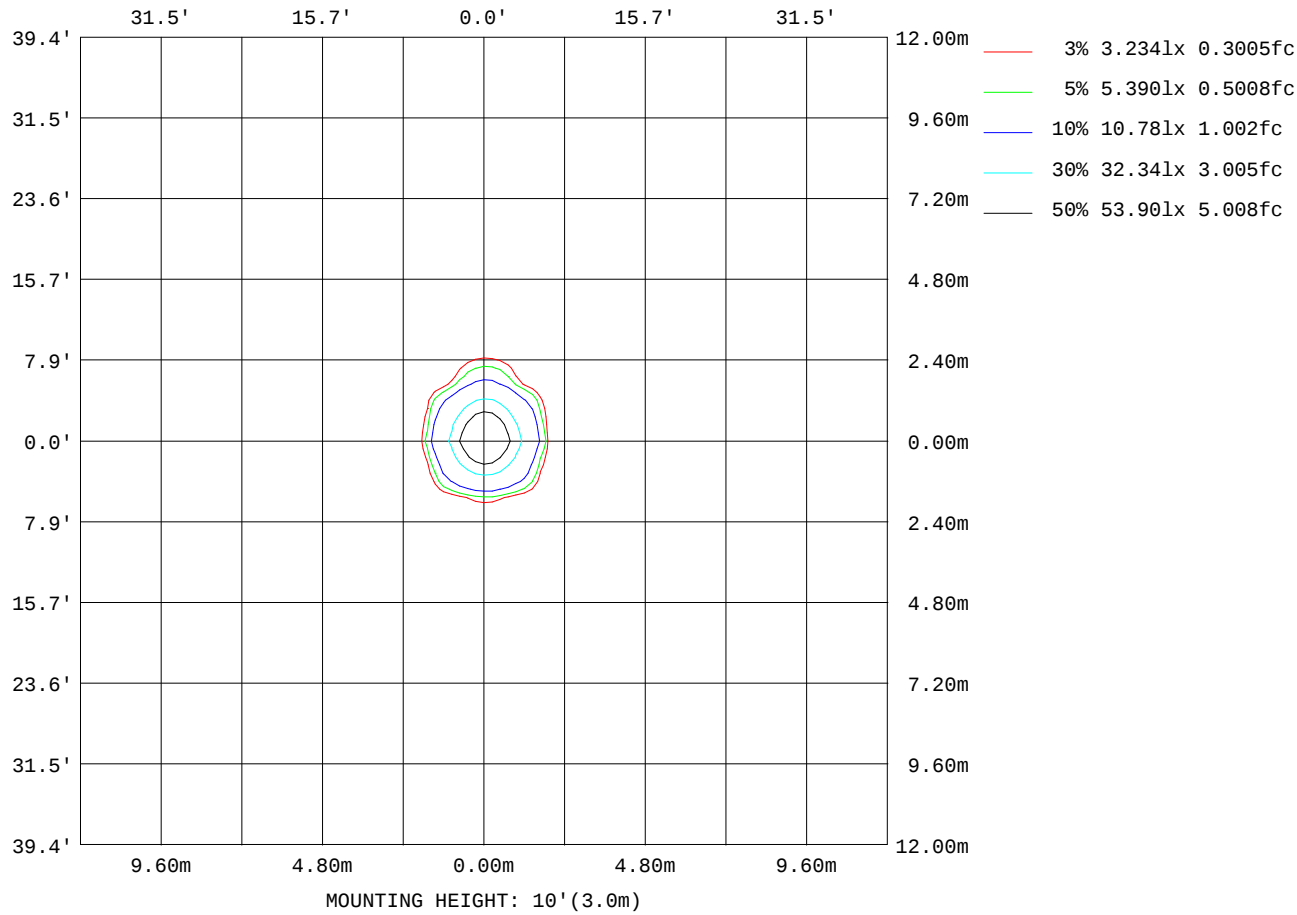
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG	g Range: 0 - 90DEG
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:2024-11-15	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

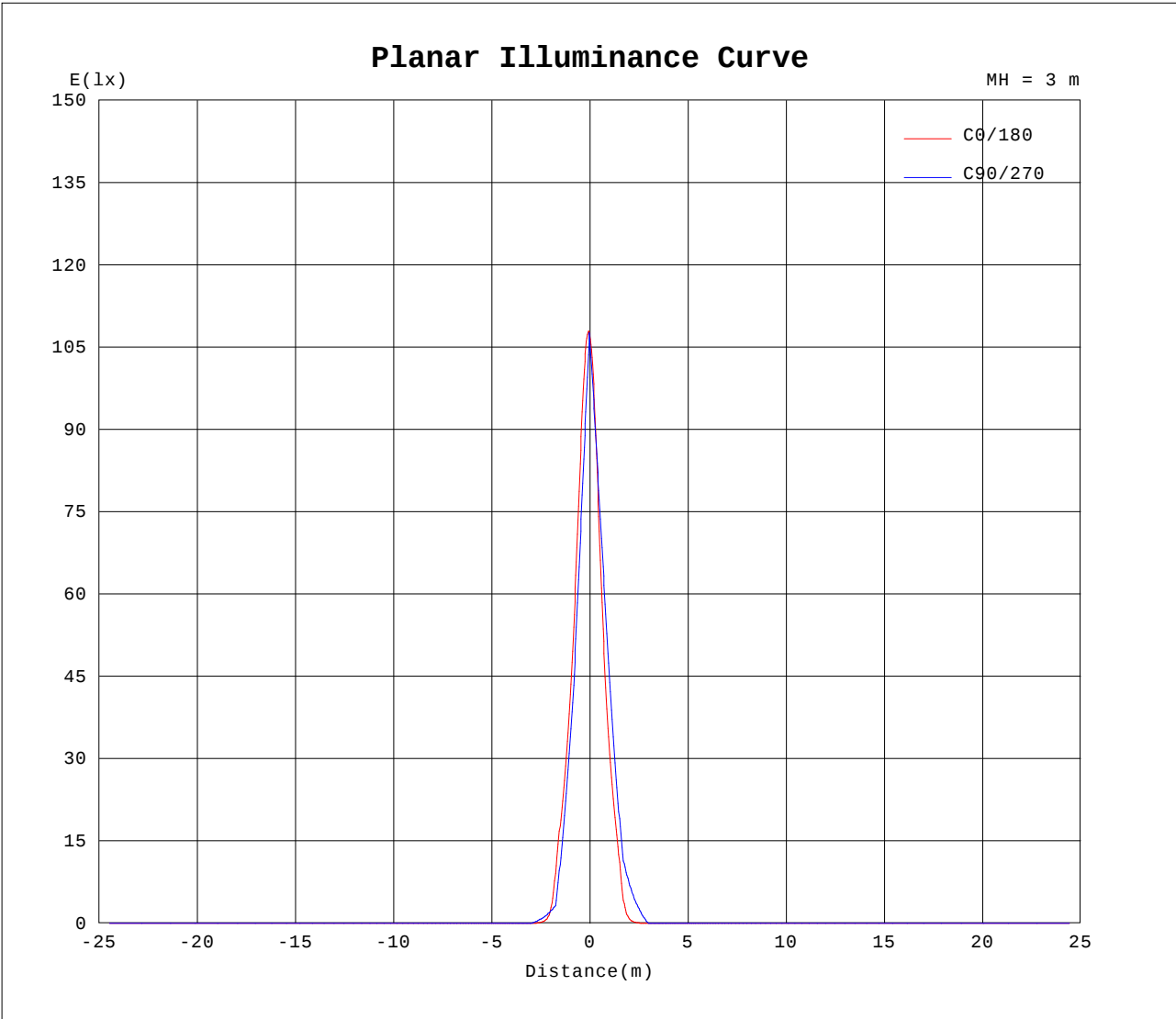
NAME: 653M01新 (3000)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025022404
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-11-15

g Range: 0 - 90DEG
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	g Range: 0 - 90DEG
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:2024-11-15	Remarks: