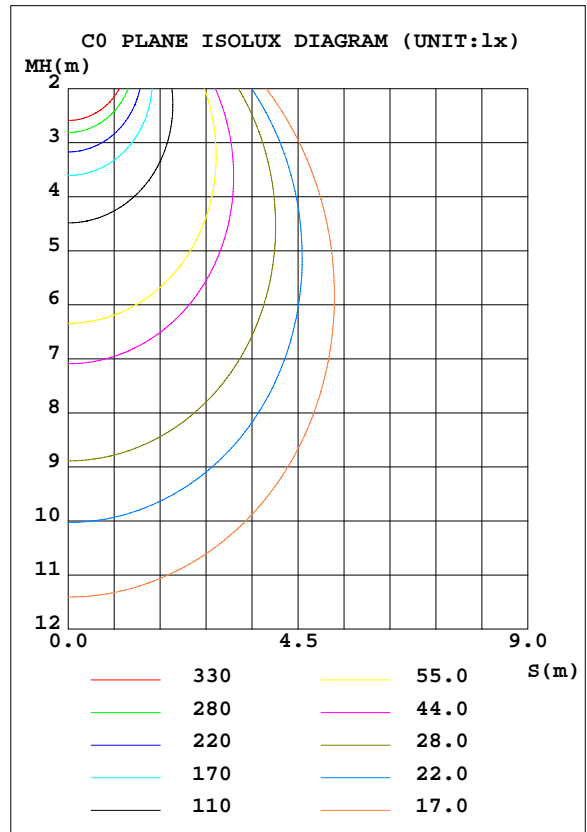
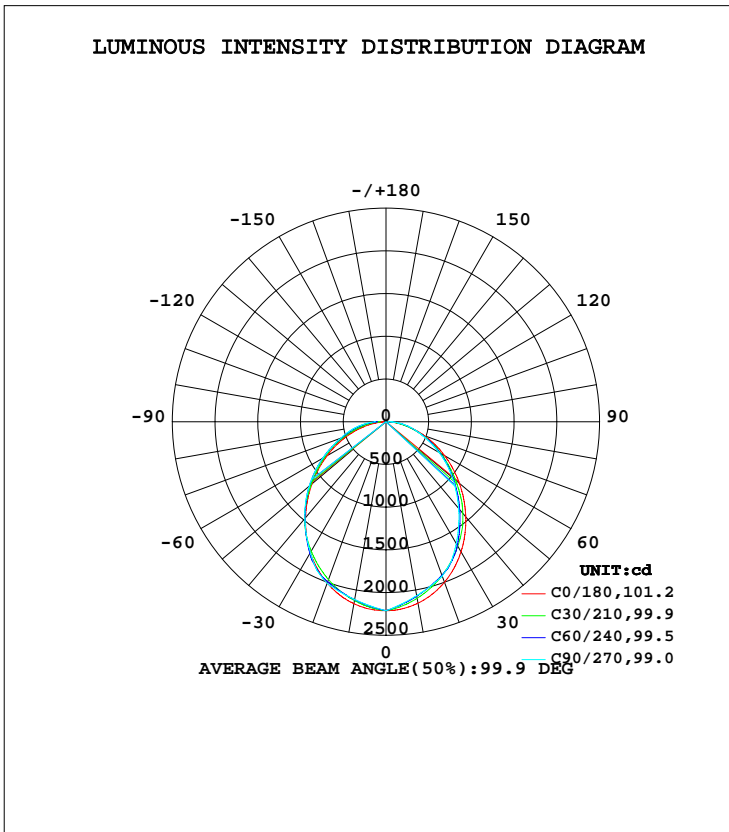


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.15V I:0.4067A P:48.567W PF:0.9940 Freq:59.98Hz Lamp Flux:5608.29x1 lm		
NAME: LOC-4FTWA-MW-32-40-48-MCCT-35-40-50-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.48 lm/W			
MODEL		I _{max} (cd)	2212	S/MH(C0/180)	1.20
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5608.3	η UP, DN(C0-180)	0.0,47.7
NOMINAL FLUX(lm)	5608.29	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,52.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FQC
 Test Date:2022-07-22

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:9.300m [K=0.9796]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lamp
10	2156	2082	2067	2086	2163	2118	2113	2114	0- 10	205.0	205.0	3.66
20	2000	1909	1923	1914	2010	1977	2015	1972	10- 20	575.0	780.0	13.9
30	1757	1686	1646	1692	1770	1779	1770	1775	20- 30	852.2	1632	29.1
40	1454	1367	1324	1373	1466	1475	1477	1469	30- 40	984.2	2616	46.7
50	1122	1041	1014	1048	1131	1159	1173	1152	40- 50	972.3	3589	64
60	791.9	736.3	715.8	742.8	796.6	847.0	856.0	840.7	50- 60	843.6	4432	79
70	478.1	449.5	439.8	452.8	478.9	542.3	563.3	538.9	60- 70	629.7	5062	90.3
80	200.3	219.9	231.5	220.9	193.6	294.8	342.5	296.5	70- 80	386.2	5448	97.1
90	39.45	23.00	23.22	22.52	25.98	79.16	121.8	87.97	80- 90	160.1	5608	100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:FQC
Test Date:2022-07-22

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.300m [K=0.9796]
Remarks:

UGR(Unified Glare Rating) Table

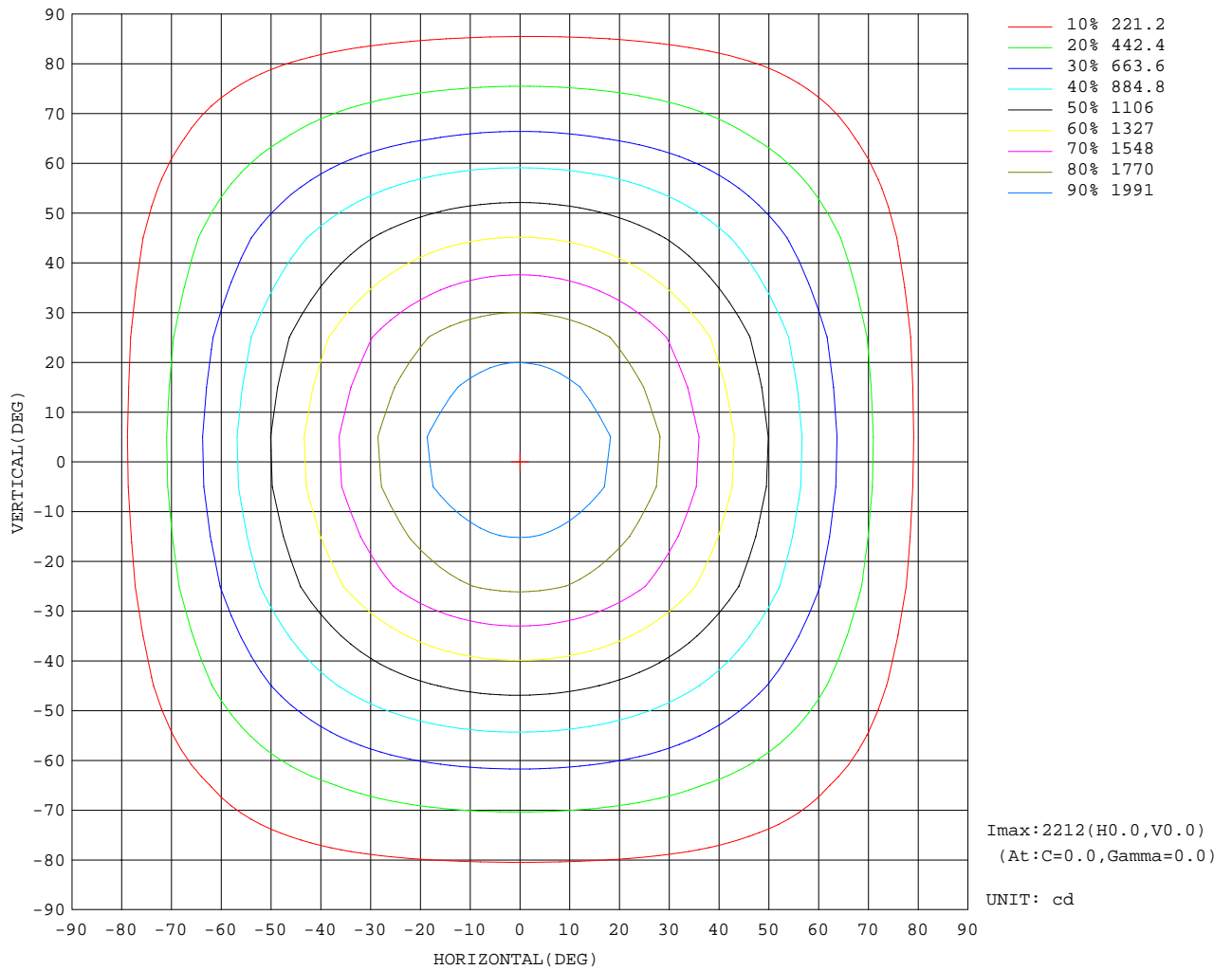
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.4	19.9	18.6	20.1	20.3	18.0	19.5	18.3	19.7	19.9
3H	19.7	21.1	20.0	21.4	21.6	19.4	20.8	19.7	21.0	21.3
4H	20.3	21.6	20.6	21.9	22.1	20.0	21.4	20.4	21.6	21.9
6H	20.7	21.9	21.0	22.2	22.5	20.6	21.9	21.0	22.1	22.4
8H	20.8	22.0	21.1	22.3	22.6	20.9	22.1	21.2	22.4	22.6
12H	20.9	22.0	21.2	22.3	22.6	21.1	22.2	21.4	22.5	22.8
4H 2H	18.9	20.2	19.2	20.4	20.7	18.6	19.9	18.9	20.2	20.4
3H	20.4	21.6	20.8	21.9	22.2	20.2	21.4	20.5	21.6	22.0
4H	21.1	22.2	21.5	22.5	22.8	21.0	22.0	21.4	22.4	22.7
6H	21.6	22.6	22.0	22.9	23.3	21.7	22.7	22.1	23.0	23.4
8H	21.8	22.7	22.2	23.0	23.4	22.0	22.9	22.5	23.3	23.7
12H	21.9	22.7	22.3	23.1	23.5	22.3	23.1	22.7	23.5	23.9
8H 4H	21.4	22.3	21.8	22.6	23.0	21.3	22.2	21.7	22.5	22.9
6H	22.0	22.8	22.5	23.2	23.6	22.2	22.9	22.6	23.3	23.8
8H	22.3	23.0	22.8	23.4	23.8	22.6	23.3	23.1	23.7	24.2
12H	22.5	23.1	23.0	23.5	24.0	23.0	23.6	23.5	24.1	24.5
12H 4H	21.4	22.2	21.8	22.6	23.0	21.3	22.1	21.7	22.5	22.9
6H	22.1	22.8	22.6	23.2	23.7	22.3	22.9	22.7	23.4	23.8
8H	22.5	23.0	22.9	23.5	24.0	22.8	23.3	23.3	23.8	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117, 5608 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.0)

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:FQC
Test Date:2022-07-22

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.300m [K=0.9796]
Remarks:

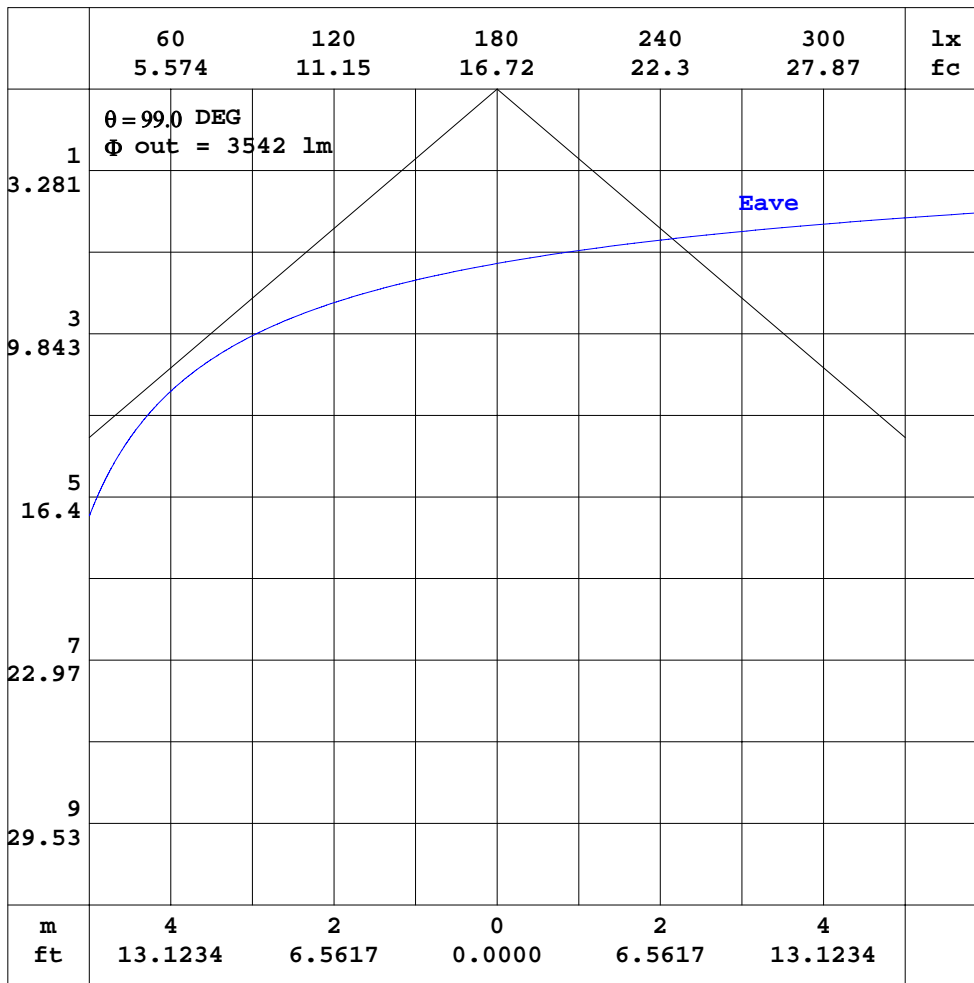
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FQC
 Test Date:2022-07-22

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:9.300m [K=0.9796]
 Remarks:

AAI CURVES

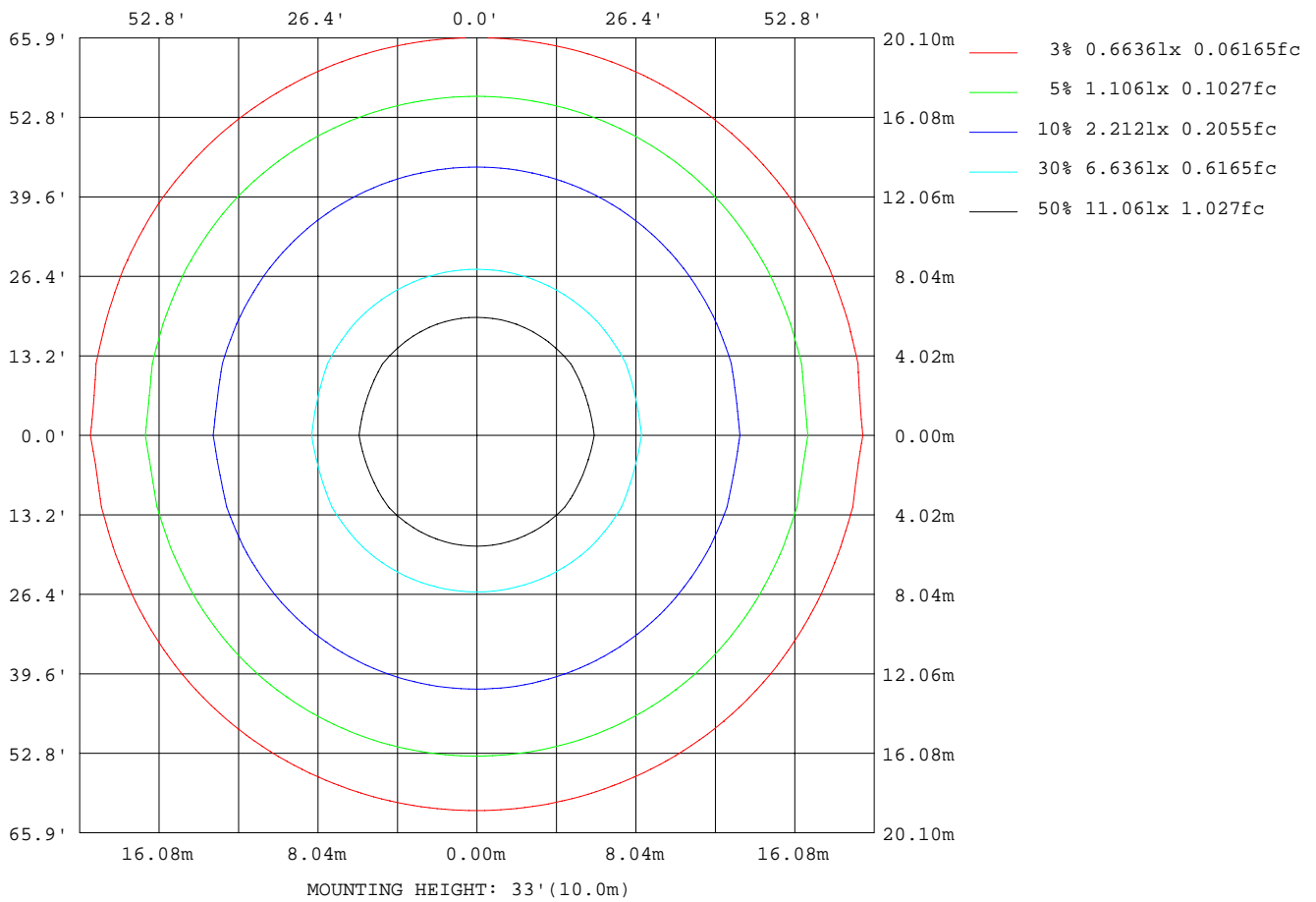


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FQC
 Test Date: 2022-07-22

V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 9.300m [K=0.9796]
 Remarks:

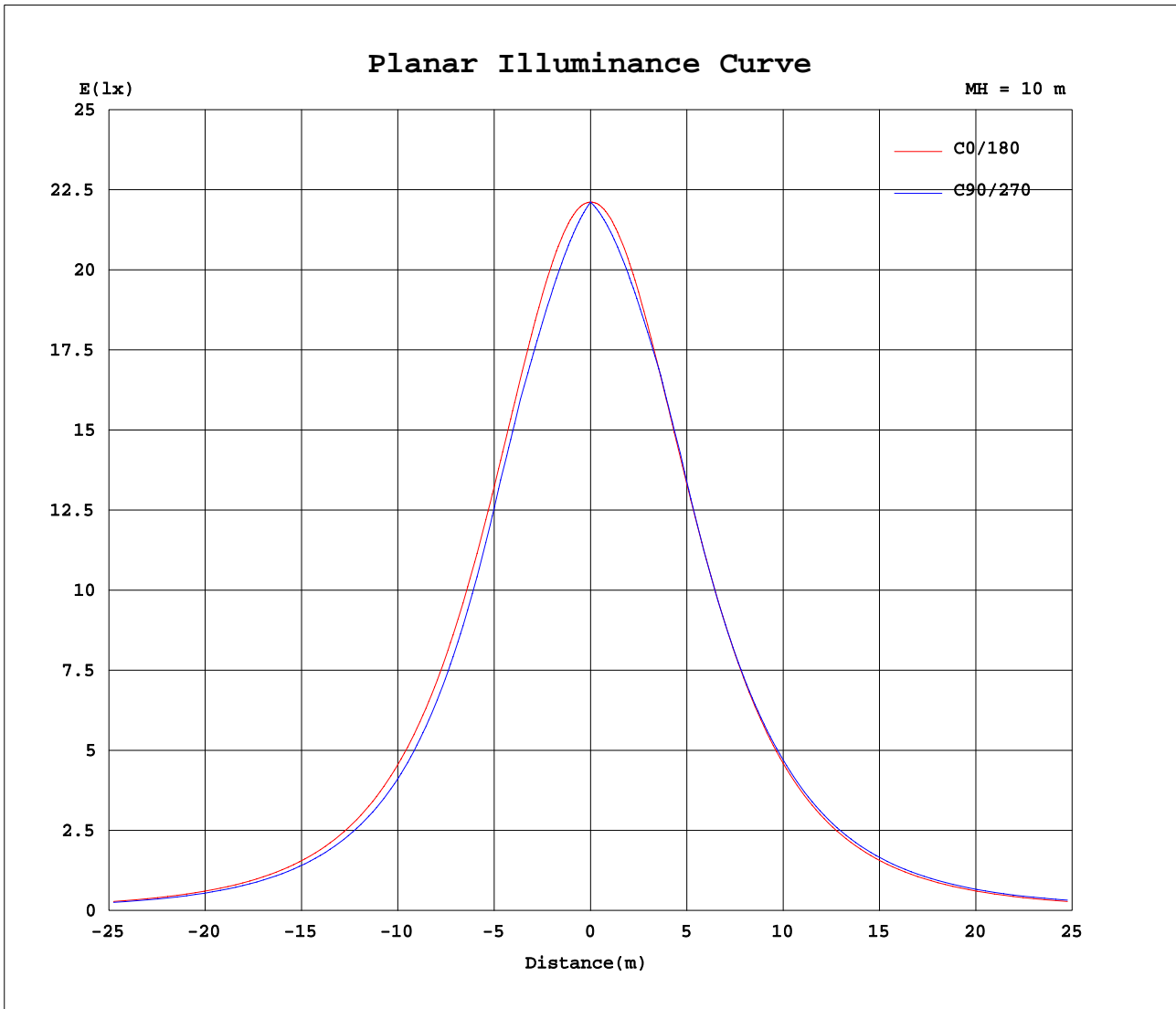
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FQC
 Test Date:2022-07-22

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:9.300m [K=0.9796]
 Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FQC
 Test Date:2022-07-22

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:9.300m [K=0.9796]
 Remarks:

