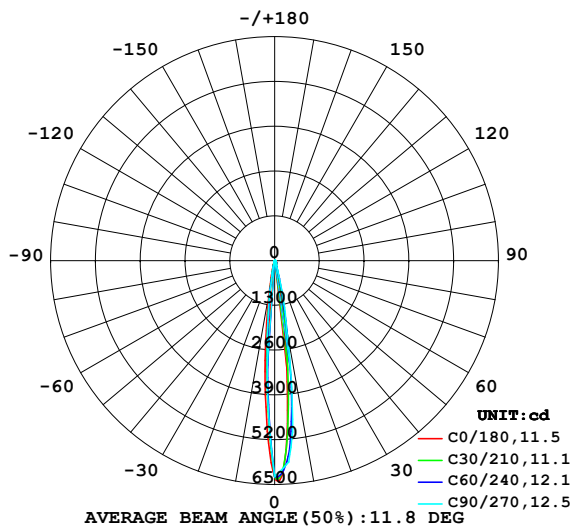


LUMINAIRE PHOTOMETRIC TEST REPORT

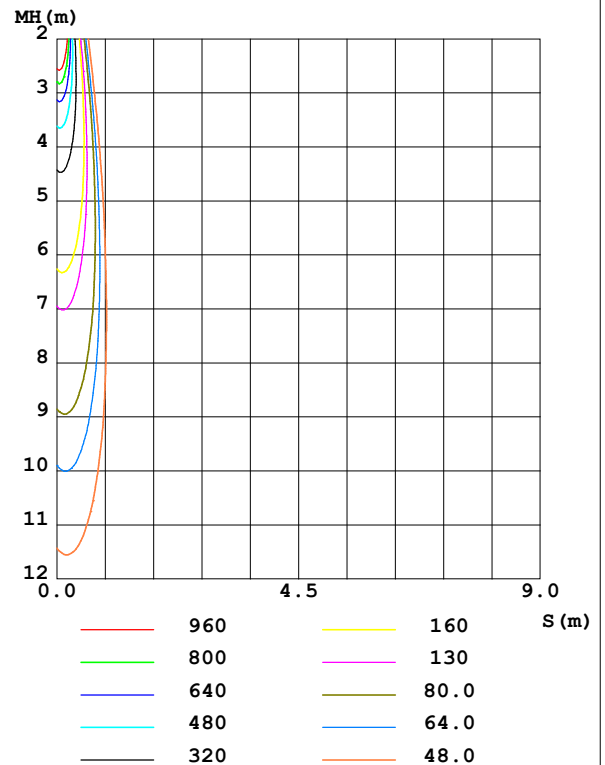
NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 61.19 lm/W
MODEL		I _{max} (cd)	6410	S/MH(C0/180)		0.23
NOMINAL POWER(W)	7	LOR(%)	51.0	S/MH(C90/270)		0.30
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	428.30	η UP,DN(C0-180)		0.0,32.7
NOMINAL FLUX(lm)	840	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,18.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	24	η down (%)	51.0	CIBSE SHR MAX		0.20

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1176	1841	2000	1569	904.0	621.6	482.0	791.3	0- 10	270.4	270.4	63.1,32.2
20	123.9	142.1	147.8	118.6	84.57	59.81	56.34	74.57	10- 20	101.8	372.2	86.9,44.3
30	61.03	35.98	40.00	33.66	28.02	21.74	19.85	23.60	20- 30	24.90	397.1	92.7,47.3
40	29.55	18.80	18.71	17.97	18.11	12.22	11.16	12.06	30- 40	14.10	411.2	96,48.9
50	14.06	10.12	8.776	7.984	8.187	5.044	5.354	5.663	40- 50	8.917	420.1	98.1,50
60	4.984	3.977	3.862	3.553	4.606	1.918	1.743	2.019	50- 60	4.492	424.6	99.1,50.5
70	2.006	1.967	2.140	1.748	3.415	0.7350	0.6669	0.9947	60- 70	2.202	426.8	99.6,50.8
80	0.7650	1.038	1.298	0.9213	2.387	0.2064	0.2104	0.3182	70- 80	1.140	427.9	99.9,50.9
90	0.2779	0	0	0	0.4417	0	0	0	80- 90	0.3824	428.3	100,51
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		

Conical surface Flux(90deg): 416.26 lm

%lum = 97.2%

%lamp = 49.6%

Conical surface Flux(120deg): 424.57 lm

%lum = 99.1%

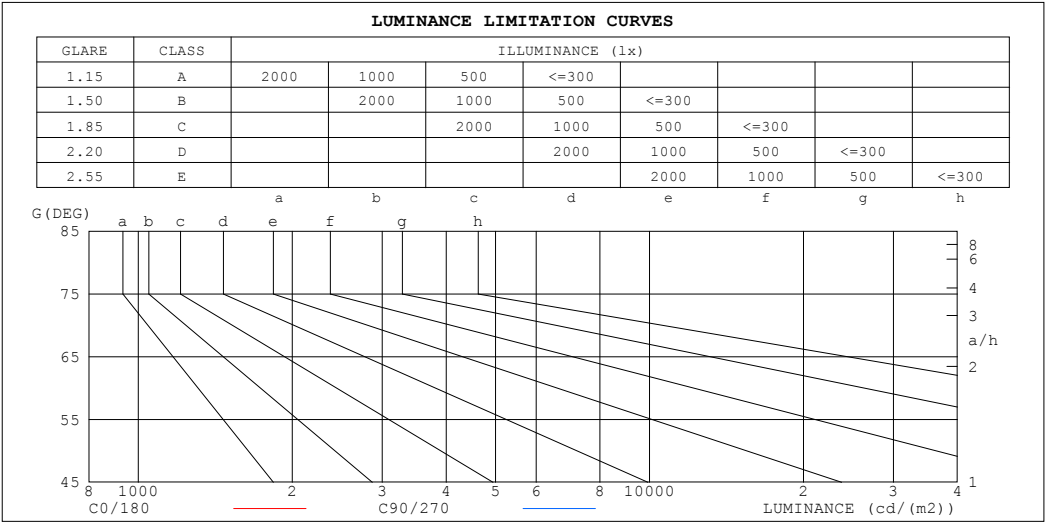
%lamp = 50.5%

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:

V(B) Range:-85 - 85DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:10.720m [K=0.9328]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	50	49
80	44	75
75	48	63
70	59	63
65	74	67
60	100	77
55	155	104
50	219	137
45	282	191

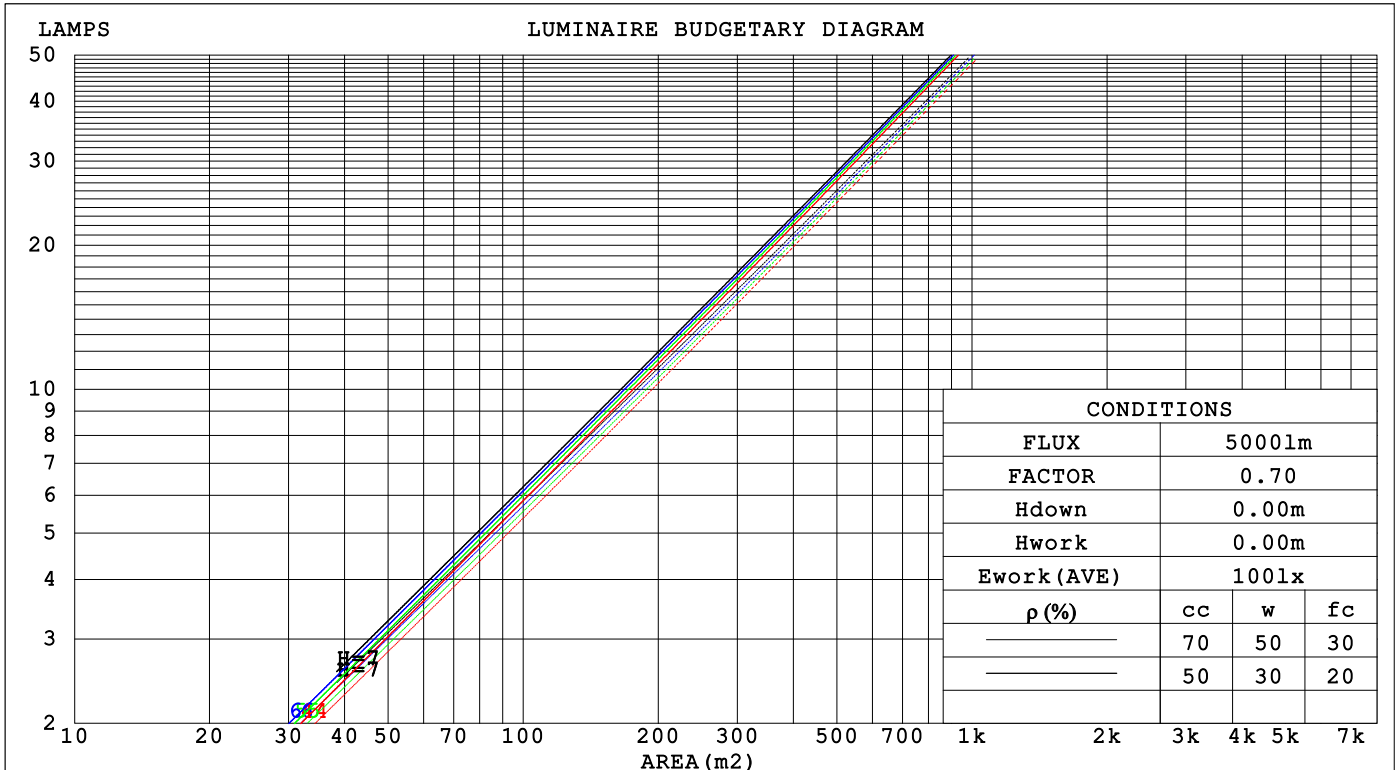
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.61	.61	.61	.59	.59	.59	.57	.57	.57	.54	.54	.54	.52	.52	.52	.51
1.0	.58	.57	.56	.57	.56	.55	.55	.54	.54	.53	.52	.52	.51	.51	.51	.50
2.0	.56	.54	.53	.55	.54	.52	.53	.52	.51	.52	.51	.50	.50	.50	.49	.49
3.0	.54	.52	.51	.53	.52	.50	.52	.51	.50	.51	.50	.49	.50	.49	.48	.47
4.0	.52	.50	.49	.51	.50	.49	.51	.49	.48	.50	.48	.48	.49	.48	.47	.47
5.0	.51	.49	.47	.50	.49	.47	.49	.48	.47	.49	.47	.47	.48	.47	.46	.46
6.0	.49	.48	.46	.49	.47	.46	.48	.47	.46	.48	.47	.46	.47	.46	.45	.45
7.0	.48	.47	.45	.48	.46	.45	.48	.46	.45	.47	.46	.45	.47	.45	.45	.44
8.0	.47	.46	.44	.47	.46	.44	.47	.45	.44	.46	.45	.44	.46	.45	.44	.44
9.0	.47	.45	.44	.46	.45	.44	.46	.45	.44	.46	.44	.43	.45	.44	.43	.43
10.0	.46	.44	.43	.46	.44	.43	.45	.44	.43	.45	.44	.43	.45	.44	.43	.42



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

WEC AND CCEC

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Wall Exitance Coefficients(WEC)
0.0						
1.0	.063 .036 .011	.060 .034 .011	.054 .031 .010	.048 .028 .009	.043 .025 .008	
2.0	.058 .032 .010	.055 .030 .009	.050 .028 .009	.045 .025 .008	.041 .023 .007	
3.0	.053 .028 .008	.051 .027 .008	.047 .025 .008	.043 .023 .007	.039 .022 .007	
4.0	.049 .026 .008	.047 .025 .007	.044 .023 .007	.040 .022 .007	.037 .020 .006	
5.0	.046 .023 .007	.044 .023 .007	.041 .021 .006	.038 .020 .006	.036 .019 .006	
6.0	.043 .021 .006	.041 .021 .006	.039 .020 .006	.036 .019 .006	.034 .018 .005	
7.0	.040 .020 .006	.039 .019 .006	.037 .018 .005	.035 .018 .005	.033 .017 .005	
8.0	.038 .018 .005	.037 .018 .005	.035 .017 .005	.033 .017 .005	.031 .016 .005	
9.0	.036 .017 .005	.035 .017 .005	.033 .016 .005	.031 .016 .005	.030 .015 .004	
10.0	.034 .016 .004	.033 .016 .004	.031 .015 .004	.030 .015 .004	.029 .014 .004	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Ceiling Cavity Exitance Coefficients(CCEC)
0.0	.097 .097 .097	.083 .083 .083	.057 .057 .057	.033 .033 .033	.010 .010 .010	
1.0	.085 .080 .076	.073 .069 .065	.050 .047 .045	.029 .027 .026	.009 .009 .009	
2.0	.076 .068 .061	.065 .058 .053	.044 .040 .037	.026 .023 .022	.008 .008 .007	
3.0	.068 .058 .050	.058 .050 .043	.040 .035 .030	.023 .020 .018	.007 .007 .006	
4.0	.061 .050 .041	.052 .043 .036	.036 .030 .025	.021 .018 .015	.007 .006 .005	
5.0	.055 .043 .035	.047 .037 .030	.033 .026 .021	.019 .015 .013	.006 .005 .004	
6.0	.050 .038 .030	.043 .033 .026	.030 .023 .018	.017 .014 .011	.006 .004 .004	
7.0	.046 .034 .025	.039 .029 .022	.027 .021 .016	.016 .012 .009	.005 .004 .003	
8.0	.042 .030 .022	.036 .026 .019	.025 .018 .014	.015 .011 .008	.005 .004 .003	
9.0	.039 .027 .019	.034 .024 .017	.023 .017 .012	.014 .010 .007	.004 .003 .002	
10.0	.036 .025 .017	.031 .021 .015	.022 .015 .010	.013 .009 .006	.004 .003 .002	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

UGR(Unified Glare Rating) Table

NAME: BL7066-LV-C7-3-10					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.:					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					-0.2	0.3	-0.0	0.5	0.6	-1.3	-0.8	-1.1	-0.6	-0.5
3H					0.0	0.6	0.3	0.7	0.9	-0.9	-0.4	-0.6	-0.2	-0.0
4H					0.2	0.7	0.4	0.9	1.1	-0.6	-0.1	-0.4	0.1	0.3
6H					0.2	0.7	0.5	0.9	1.2	-0.3	0.2	-0.0	0.4	0.6
8H					0.3	0.7	0.6	1.0	1.2	-0.2	0.3	0.1	0.5	0.8
12H					0.3	0.8	0.6	1.0	1.3	-0.0	0.4	0.3	0.7	0.9
4H 2H					-0.2	0.3	0.1	0.5	0.7	-1.2	-0.7	-0.9	-0.5	-0.3
3H					0.2	0.6	0.5	0.9	1.1	-0.6	-0.2	-0.3	0.1	0.3
4H					0.3	0.8	0.7	1.0	1.3	-0.3	0.1	0.1	0.4	0.7
6H					0.5	0.9	0.9	1.2	1.5	0.2	0.6	0.5	0.9	1.2
8H					0.6	0.9	1.0	1.3	1.6	0.4	0.8	0.8	1.1	1.5
12H					0.7	1.0	1.1	1.4	1.8	0.6	0.9	1.0	1.3	1.7
8H 4H					0.4	0.7	0.7	1.0	1.4	-0.2	0.1	0.2	0.5	0.8
6H					0.6	0.9	1.0	1.3	1.7	0.4	0.6	0.8	1.0	1.4
8H					0.8	1.0	1.2	1.4	1.9	0.7	1.0	1.1	1.4	1.8
12H					0.9	1.2	1.4	1.6	2.1	1.0	1.2	1.4	1.6	2.1
12H 4H					0.3	0.6	0.7	1.0	1.4	-0.2	0.1	0.2	0.4	0.8
6H					0.6	0.9	1.1	1.3	1.7	0.4	0.6	0.8	1.0	1.5
8H					0.8	1.0	1.3	1.5	1.9	0.8	1.0	1.2	1.4	1.9
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 1.9 / - 1.4					+ 0.8 / - 1.0				
1.5H					+ 2.7 / - 1.3					+ 0.9 / - 0.8				
2.0H					+ 3.3 / - 1.5					+ 1.5 / - 1.1				

CIE Pub.117, 840.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

UTILIZATION FACTORS TABLE

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

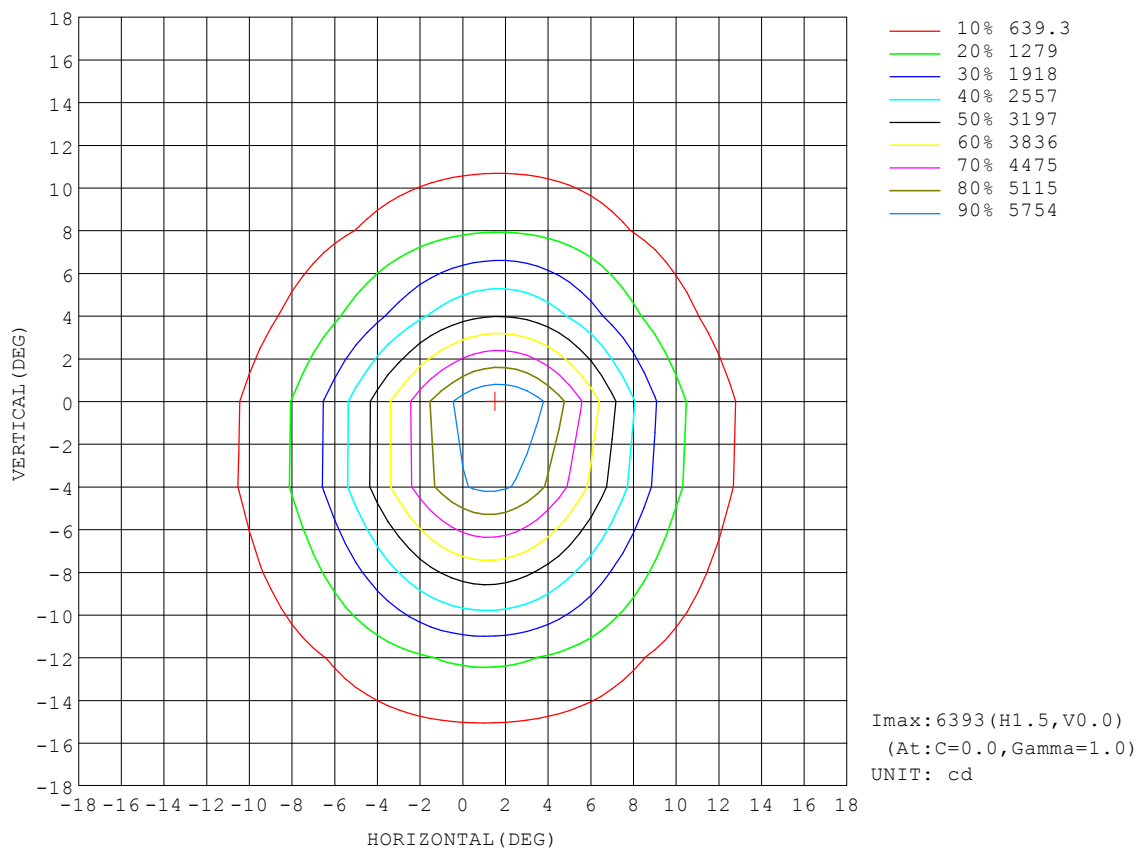
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	42	40	45	42	40	45	42	40	39
0.80	49	46	44	49	46	44	48	46	44	42
1.00	51	48	47	51	48	47	50	48	46	44
1.25	53	51	49	53	50	49	52	50	48	46
1.50	54	52	50	54	52	50	53	51	50	47
2.00	56	54	52	55	53	52	54	52	51	48
2.50	56	55	53	56	54	53	54	53	52	49
3.00	57	56	54	56	55	54	55	53	52	49
4.00	58	57	56	57	56	55	55	54	54	50
5.00	59	58	57	58	57	56	56	55	54	51
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:

$V(B)$ Range:-85 - 85DEG
 $V(B)$ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:10.720m [K=0.9328]
 Remarks:

ISOCANDELA DIAGRAM

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

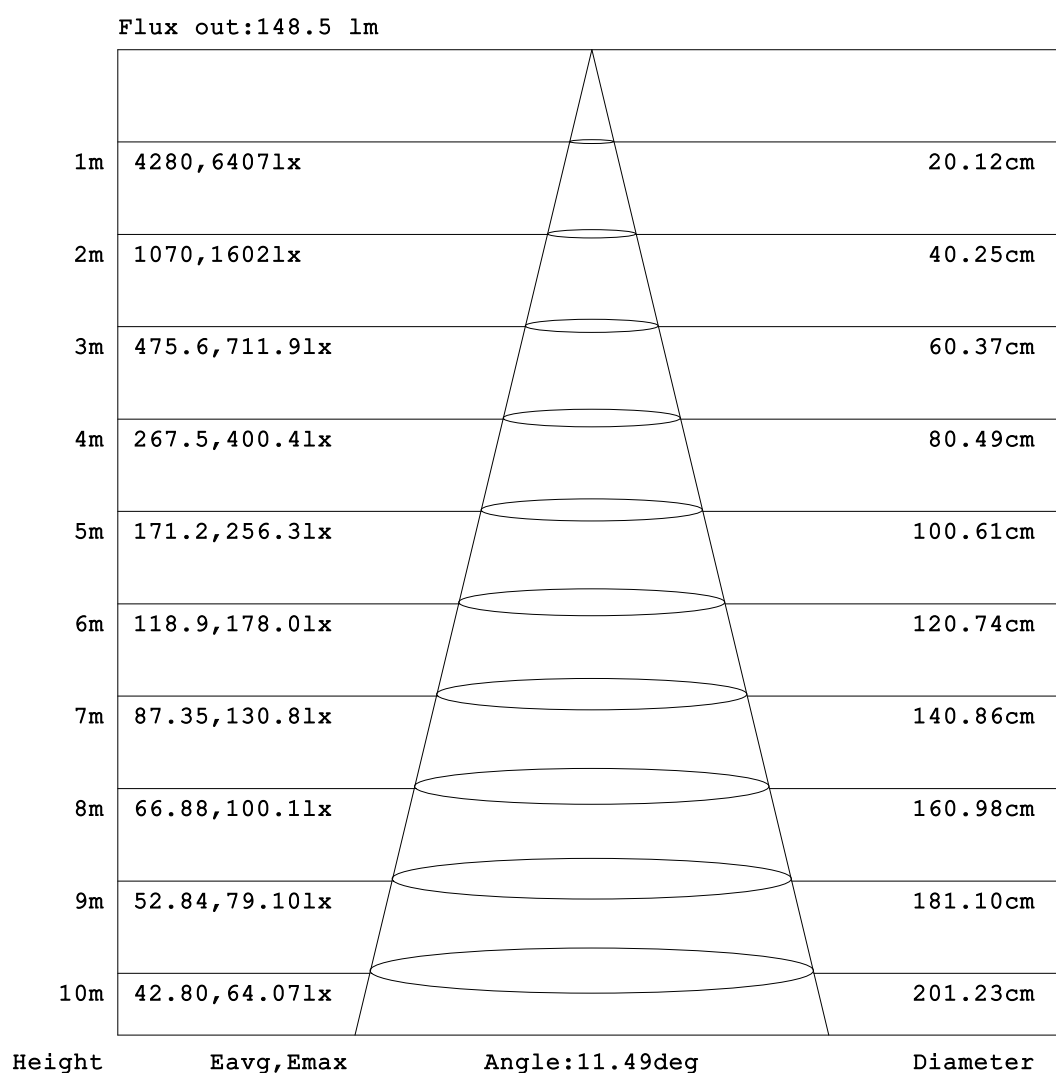


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date:

V(B) Range: -85 - 85DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 10.720m [K=0.9328]
Remarks:

AAI Figure

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



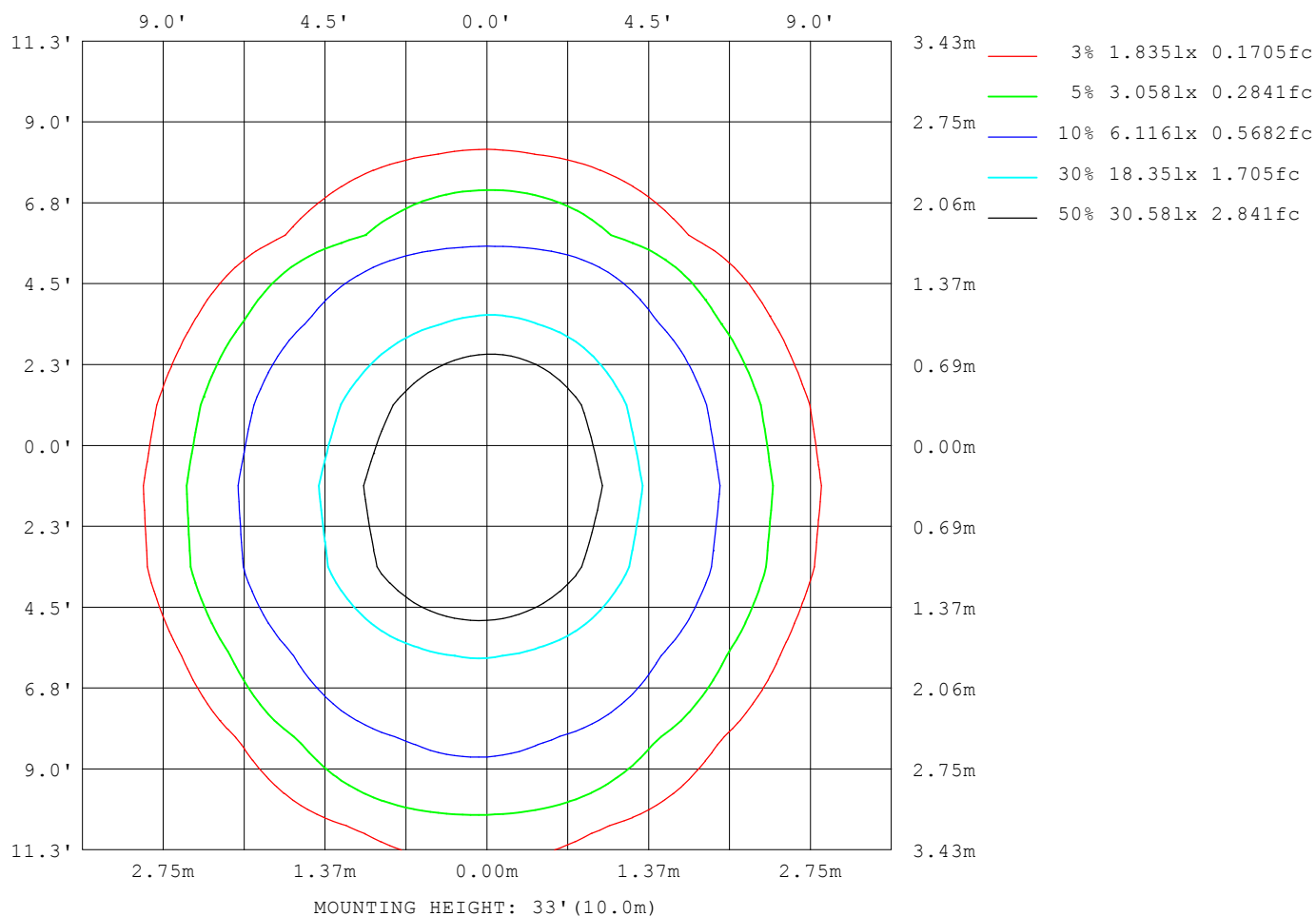
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

ISOLUX DIAGRAM

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:

V(B) Range:-85 - 85DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:10.720m [K=0.9328]
 Remarks:

LED Avg.L Report

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

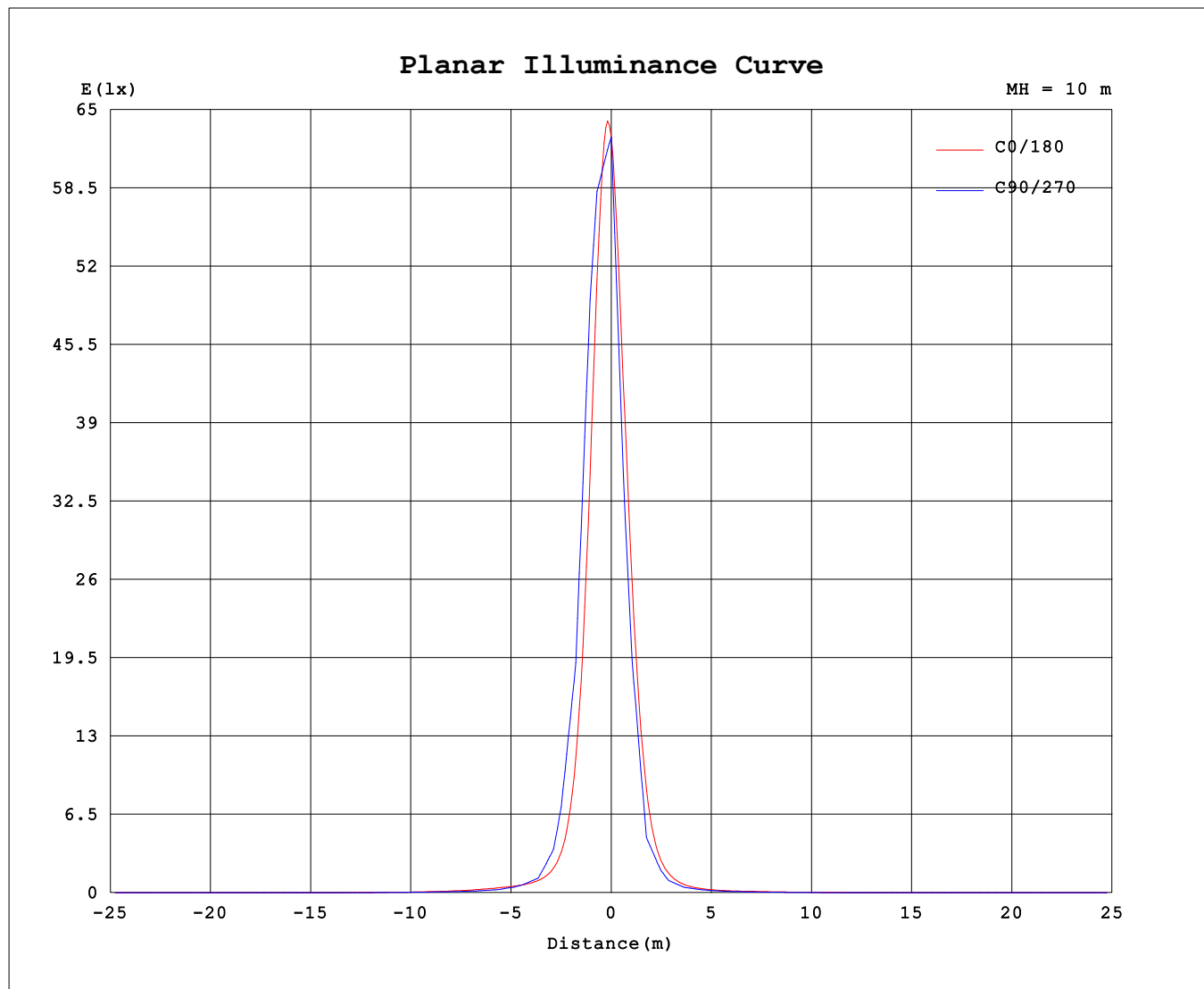
AvgL	cd/m2
L_0~180 (65) av	85
L_0~180 (75) av	79
L_0~180 (85) av	140
L_90~270 (65) av	47
L_90~270 (75) av	40
L_90~270 (85) av	28
L_45 (65) av	46
L_45 (75) av	35
L_45 (85) av	41

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

```
V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:
```


LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7066-LV-C7-3-10	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:

```
V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.720m [K=0.9328]
Remarks:
```