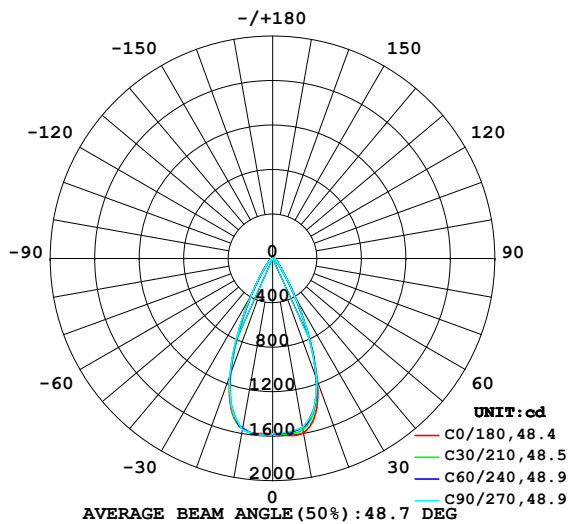


LUMINAIRE PHOTOMETRIC TEST REPORT

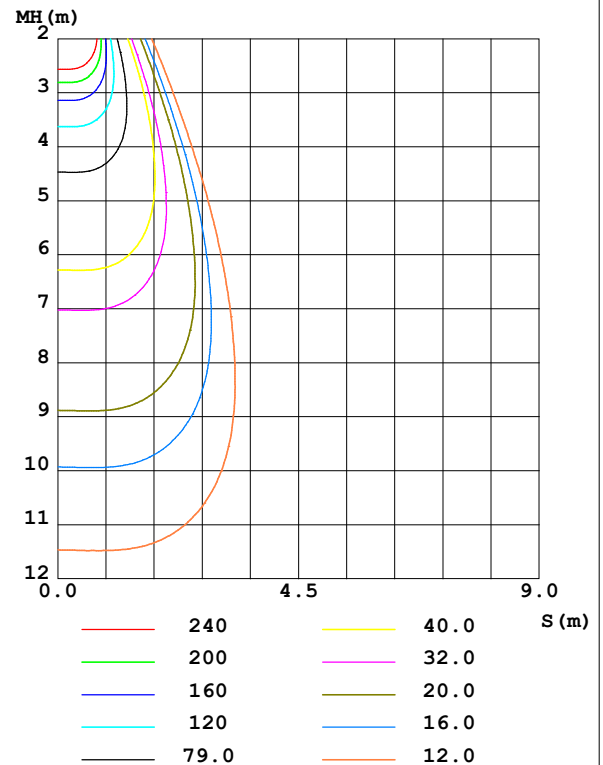
NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 75.73 lm/W
MODEL		Imax (cd)	1609	S/MH (C0/180)		0.73
NOMINAL POWER(W)	14	LOR (%)	56.0	S/MH (C90/270)		0.74
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1120.8	η UP,DN (C0-180)		0.0,28.3
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,27.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE (V)	119.8	η down (%)	56.0	CIBSE SHR MAX		0.75

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°C
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1591	1549	1544	1543	1559	1552	1565	1580	0- 10	150.6	150.6	13.4, 7.53
20	1175	1150	1160	1164	1123	1117	1138	1146	10- 20	390.5	541.0	48.3, 27.1
30	417.0	420.4	403.2	416.3	391.3	393.5	388.3	410.5	20- 30	338.9	880.0	78.5, 44
40	127.6	117.8	114.9	118.0	117.7	113.0	108.3	115.0	30- 40	139.7	1020	91, 51
50	53.76	44.39	44.43	45.12	47.54	42.19	41.72	42.61	40- 50	57.07	1077	96.1, 53.8
60	23.37	18.84	18.76	19.70	22.04	17.04	17.10	17.21	50- 60	27.54	1104	98.5, 55.2
70	8.320	6.780	6.877	6.943	10.14	5.081	5.161	5.271	60- 70	11.52	1116	99.6, 55.8
80	2.461	2.328	2.449	2.363	5.823	1.124	1.192	1.225	70- 80	3.694	1119	99.9, 56
90	1.441	0	0	0	2.472	0	0	0	80- 90	1.326	1121	100, 56
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): 1053.7 lm

%lum = 94.0%

%lamp = 52.7%

Conical surface Flux(120deg): 1104.3 lm

%lum = 98.5%

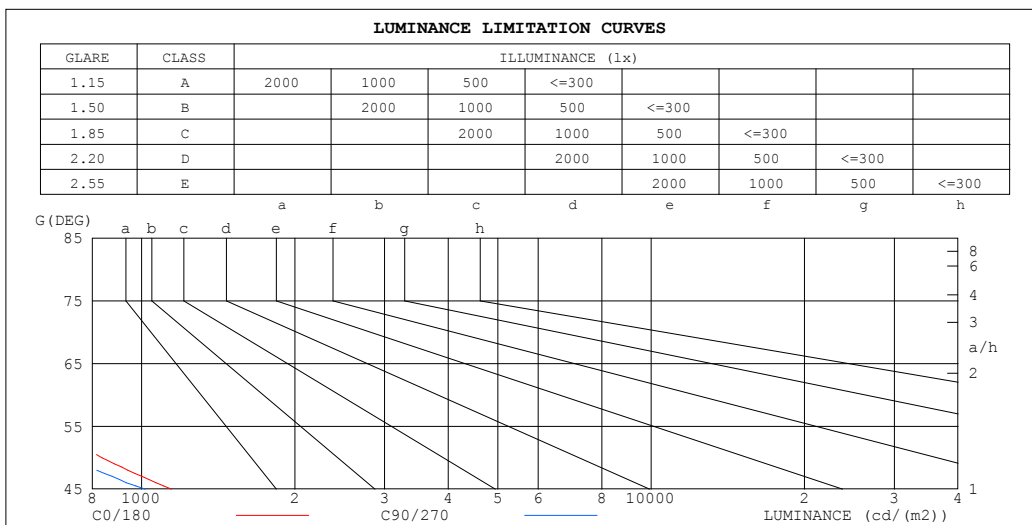
%lamp = 55.2%

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:ZT
 Test Date:2024-01-23

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:10.722m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	210	122
80	142	141
75	155	142
70	243	201
65	326	270
60	467	375
55	643	529
50	836	691
45	1144	1016

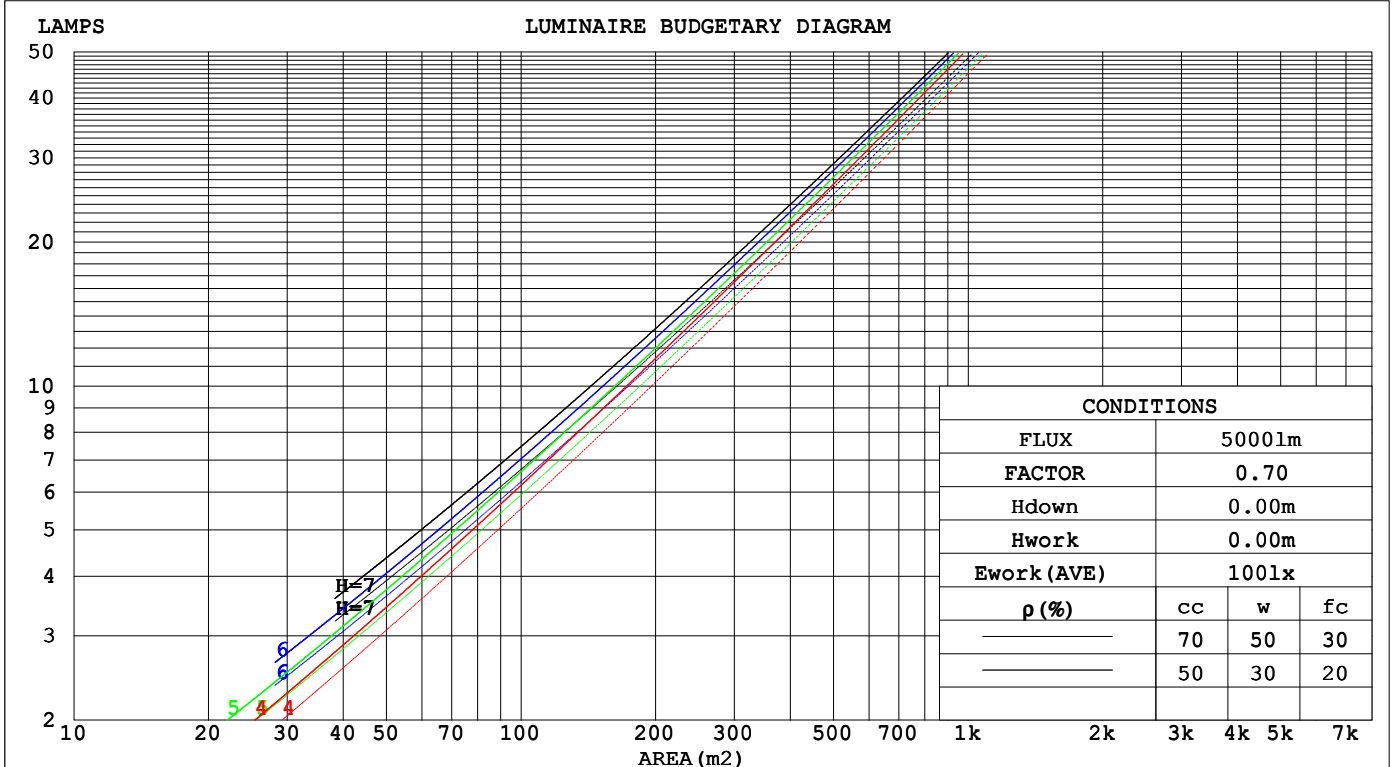
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BL7066-C15-3-50-NS	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			Coefficients of Utilization(CU)												
0.0	.67	.67	.67	.65	.65	.65	.62	.62	.62	.60	.60	.60	.57	.57	.57	.56
1.0	.62	.61	.60	.61	.60	.59	.59	.58	.57	.57	.56	.55	.55	.54	.54	.53
2.0	.58	.56	.54	.57	.55	.53	.55	.54	.52	.54	.52	.51	.52	.51	.50	.49
3.0	.54	.52	.49	.54	.51	.49	.52	.50	.48	.51	.49	.48	.49	.48	.47	.46
4.0	.51	.48	.46	.50	.48	.45	.49	.47	.45	.48	.46	.44	.47	.45	.44	.43
5.0	.48	.45	.43	.48	.45	.42	.47	.44	.42	.46	.43	.42	.45	.43	.41	.41
6.0	.45	.42	.40	.45	.42	.40	.44	.41	.39	.43	.41	.39	.43	.41	.39	.38
7.0	.43	.40	.37	.43	.40	.37	.42	.39	.37	.41	.39	.37	.41	.38	.37	.36
8.0	.41	.38	.35	.40	.37	.35	.40	.37	.35	.39	.37	.35	.39	.37	.35	.34
9.0	.39	.36	.33	.38	.35	.33	.38	.35	.33	.37	.35	.33	.37	.35	.33	.32
10.0	.37	.34	.32	.37	.34	.32	.36	.33	.32	.36	.33	.32	.35	.33	.31	.31



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: BL7066-C15-3-50-NS	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	.098	.056	.018	.094	.054	.017	.087	.050	.016	.081	.047	.015	.075	.043	.014		
2.0	.093	.051	.016	.090	.050	.015	.084	.047	.015	.079	.044	.014	.074	.042	.013		
3.0	.088	.047	.014	.086	.046	.014	.081	.044	.013	.076	.042	.013	.072	.040	.012		
4.0	.084	.043	.013	.081	.043	.013	.077	.041	.012	.073	.039	.012	.069	.038	.011		
5.0	.079	.040	.012	.077	.040	.012	.074	.038	.011	.070	.037	.011	.067	.036	.011		
6.0	.076	.038	.011	.074	.037	.011	.071	.036	.011	.067	.035	.010	.065	.034	.010		
7.0	.072	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	.062	.032	.010		
8.0	.069	.034	.009	.067	.033	.009	.065	.032	.009	.062	.032	.009	.060	.031	.009		
9.0	.066	.032	.009	.065	.032	.009	.062	.031	.009	.060	.030	.009	.058	.029	.009		
10.0	.063	.030	.008	.062	.030	.008	.060	.029	.008	.058	.029	.008	.056	.028	.008		

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	.107	.107	.107	.091	.091	.091	.062	.062	.062	.036	.036	.036	.011	.011	.011	
1.0	.096	.088	.081	.082	.076	.070	.056	.052	.048	.032	.030	.028	.010	.010	.009	
2.0	.087	.074	.063	.075	.064	.055	.051	.044	.038	.029	.026	.022	.009	.008	.007	
3.0	.080	.064	.051	.069	.055	.044	.047	.038	.031	.027	.022	.018	.009	.007	.006	
4.0	.074	.055	.041	.064	.048	.036	.044	.033	.025	.025	.020	.015	.008	.006	.005	
5.0	.069	.049	.034	.059	.042	.029	.041	.029	.021	.024	.017	.012	.008	.006	.004	
6.0	.065	.044	.028	.056	.038	.025	.038	.026	.017	.022	.016	.010	.007	.005	.003	
7.0	.061	.039	.024	.052	.034	.021	.036	.024	.015	.021	.014	.009	.007	.005	.003	
8.0	.058	.036	.021	.050	.031	.018	.034	.022	.013	.020	.013	.008	.006	.004	.003	
9.0	.055	.033	.018	.047	.028	.016	.033	.020	.011	.019	.012	.007	.006	.004	.002	
10.0	.052	.030	.016	.045	.026	.014	.031	.018	.010	.018	.011	.006	.006	.004	.002	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: BL7066-C15-3-50-NS						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				
x = 2H y = 2H						Viewed endwise				
3H						4.9	5.9	5.2	6.0	6.2
4H						4.7	5.6	4.9	5.7	5.9
6H						4.7	5.5	5.0	5.7	5.9
8H						4.7	5.5	5.0	5.7	5.9
12H						4.6	5.4	4.9	5.6	5.9
4H 2H						4.6	5.3	4.9	5.6	5.9
3H						4.6	5.3	4.9	5.6	5.8
4H						4.7	5.4	5.0	5.6	5.9
6H						4.7	5.4	5.0	5.6	5.9
8H						4.7	5.3	5.0	5.6	5.9
12H						4.7	5.2	5.0	5.5	5.9
4H 4H						4.7	5.2	5.1	5.5	5.9
6H						4.7	5.1	5.1	5.5	5.9
8H						4.7	5.1	5.1	5.5	5.9
12H						4.7	5.1	5.1	5.5	5.9
4H 8H						4.6	5.1	5.0	5.4	5.8
6H						4.6	5.0	5.0	5.4	5.8
8H						4.6	5.0	5.1	5.4	5.9
12H						4.7	5.0	5.1	5.4	5.9
4H 12H						4.5	5.0	5.0	5.4	5.8
6H						4.6	4.9	5.0	5.4	5.8
8H						4.6	4.9	5.1	5.4	5.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H						+ 1.8 / - 2.3				
1.5H						+ 2.8 / - 2.2				
2.0H						+ 3.0 / - 3.0				

CIE Pub.117, 2000 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.4)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

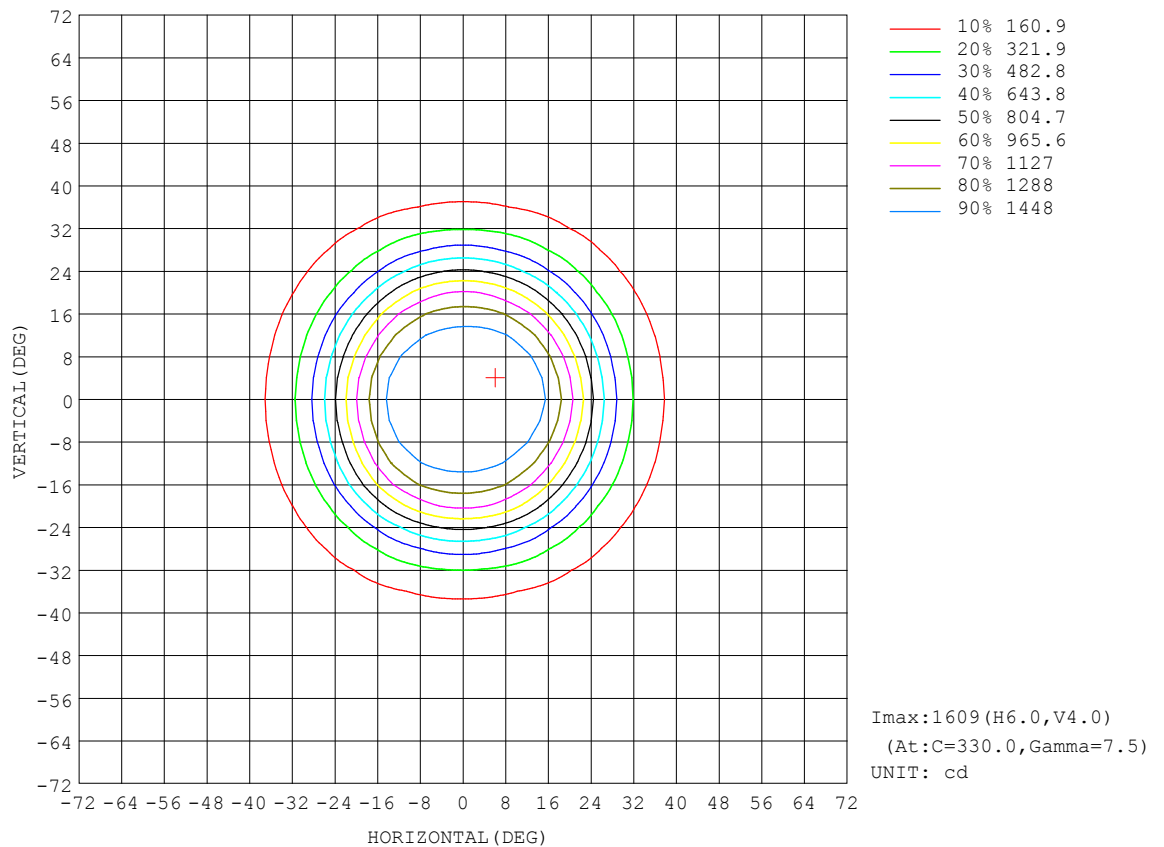
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	44	42	48	44	42	47	44	42	40
0.80	52	49	47	52	49	47	51	48	46	44
1.00	55	52	50	55	52	49	54	51	49	47
1.25	57	54	52	57	54	52	56	53	52	49
1.50	59	56	54	58	56	54	57	55	53	51
2.00	61	58	56	60	58	56	58	56	55	52
2.50	62	59	58	61	59	57	59	57	56	53
3.00	62	60	59	61	60	58	60	58	57	53
4.00	64	62	61	62	61	60	60	59	58	54
5.00	64	63	62	63	62	61	61	60	59	55
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

V(β) Range:-85 - 85DEG
V(β) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

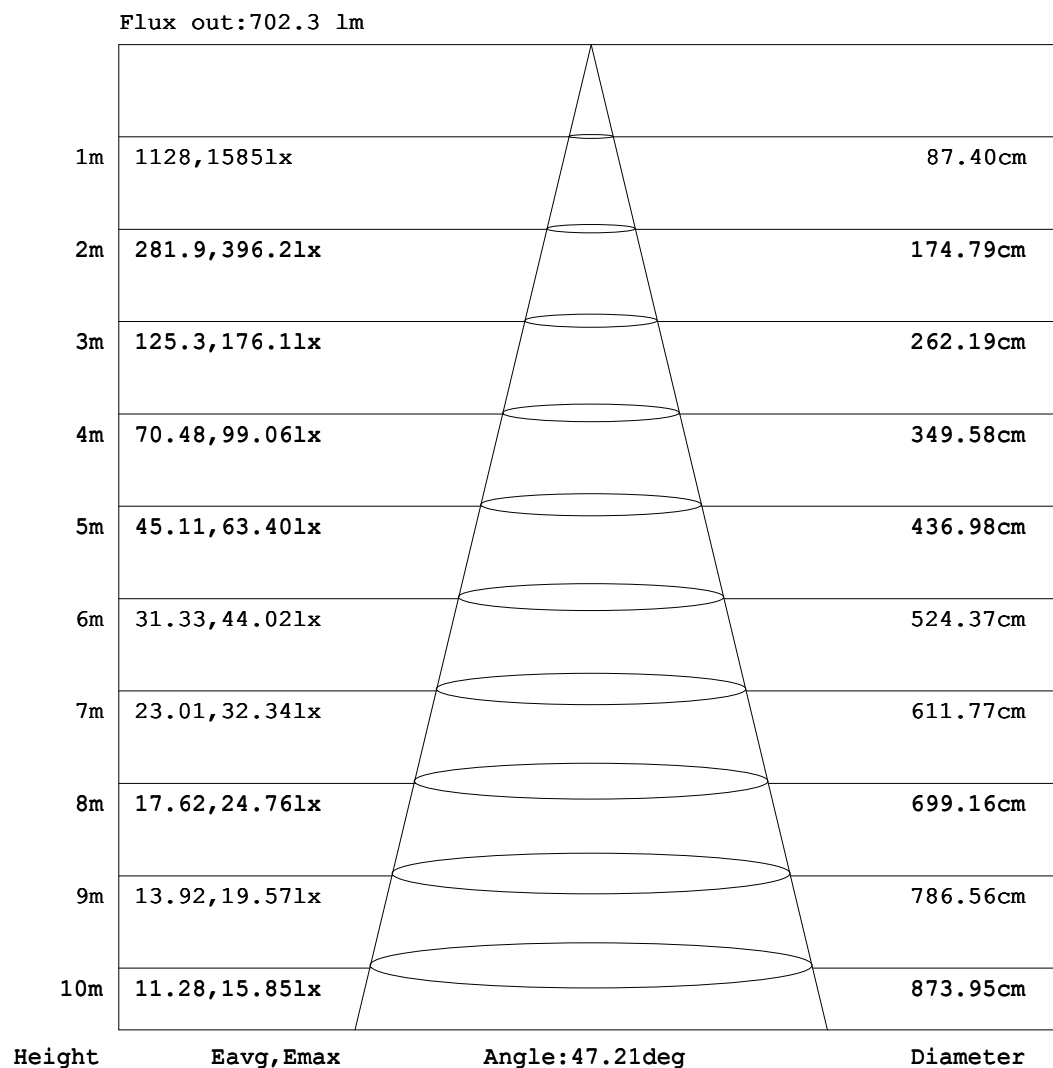


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

AAI Figure

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



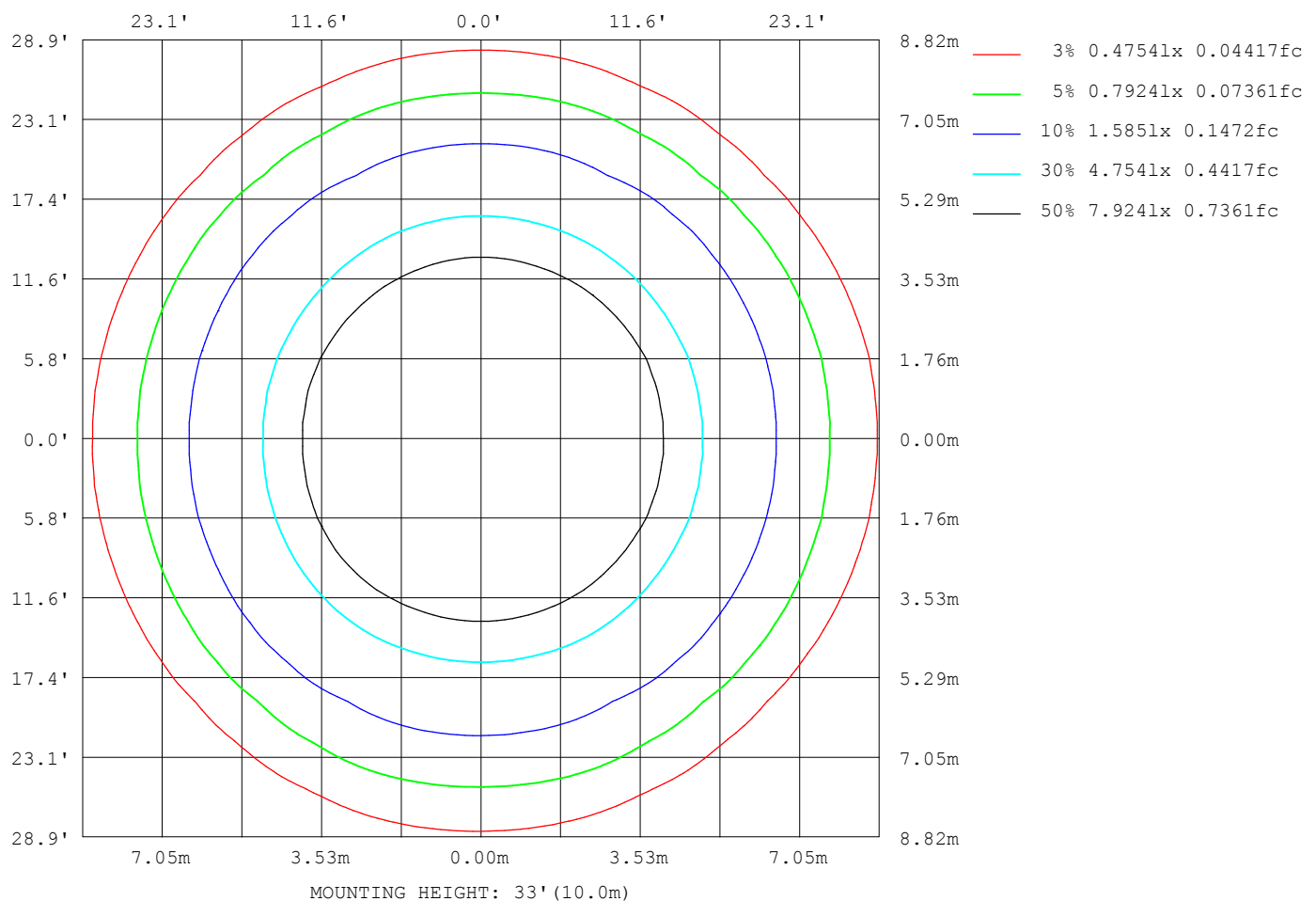
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90 DEG
H(β) Interval: 0.5 DEG
Test Speed: MEDIUM
Temperature: 25.3 °C
Operators: ZT
Test Date: 2024-01-23

V(B) Range: -85 - 85 DEG
V(B) Interval: 2.0 DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 10.722m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: BL7066-C15-3-50-NS	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:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

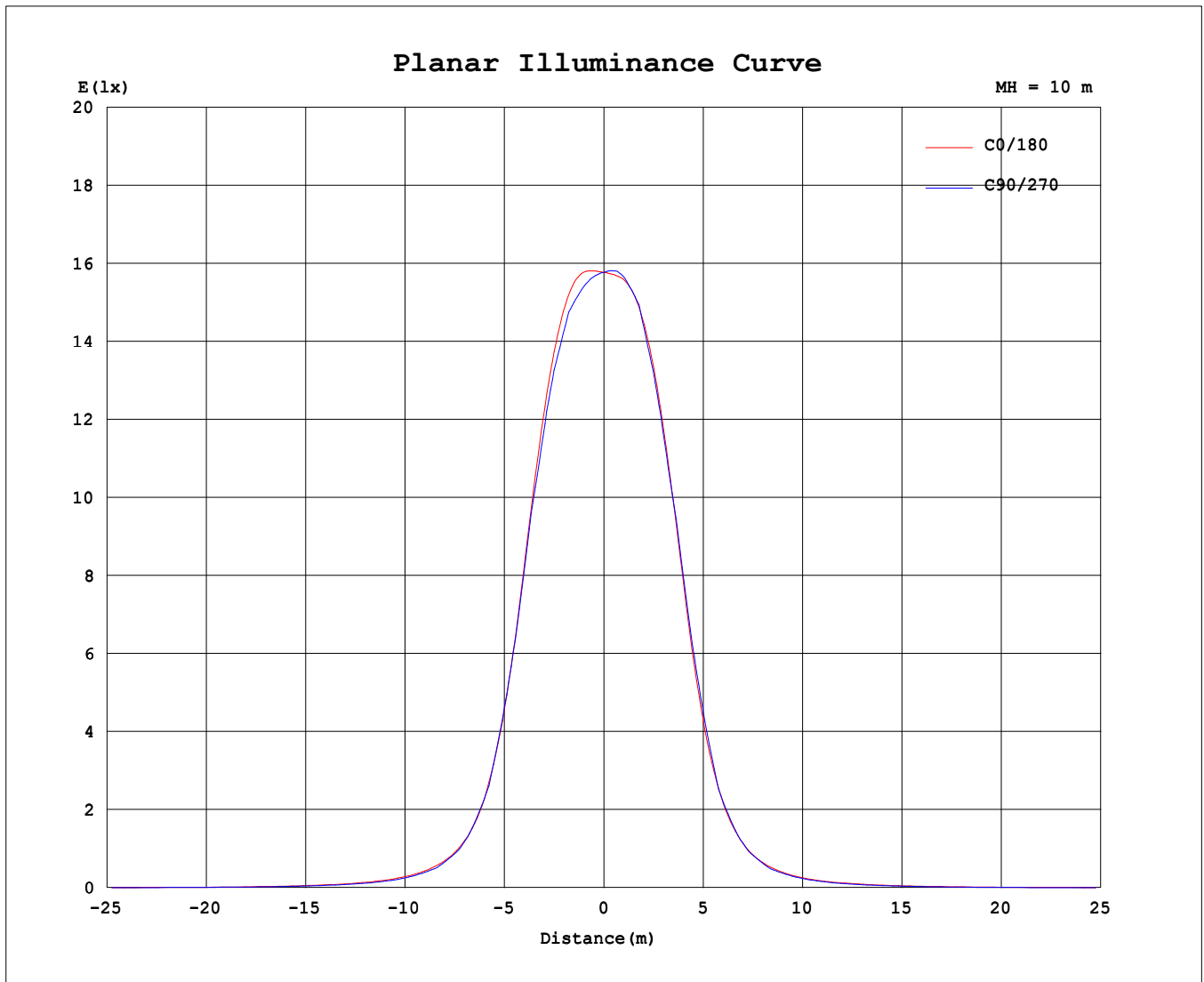
AvgL	cd/m2
L_0~180 (65) av	334
L_0~180 (75) av	206
L_0~180 (85) av	418
L_90~270 (65) av	248
L_90~270 (75) av	112
L_90~270 (85) av	95
L_45 (65) av	249
L_45 (75) av	105
L_45 (85) av	175

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:10.722m [K=1.0000]
Remarks:

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:10.722m [K=1.0000]
Remarks:

NAME: BL7066-C15-3-50-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

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:10.722m [K=1.0000]
Remarks:

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:10.722m [K=1.0000]
Remarks:

```
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:10.722m [K=1.0000]
Remarks:
```