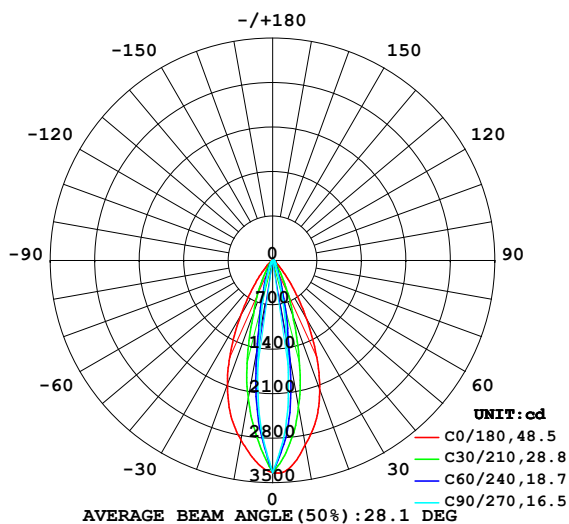


LUMINAIRE PHOTOMETRIC TEST REPORT

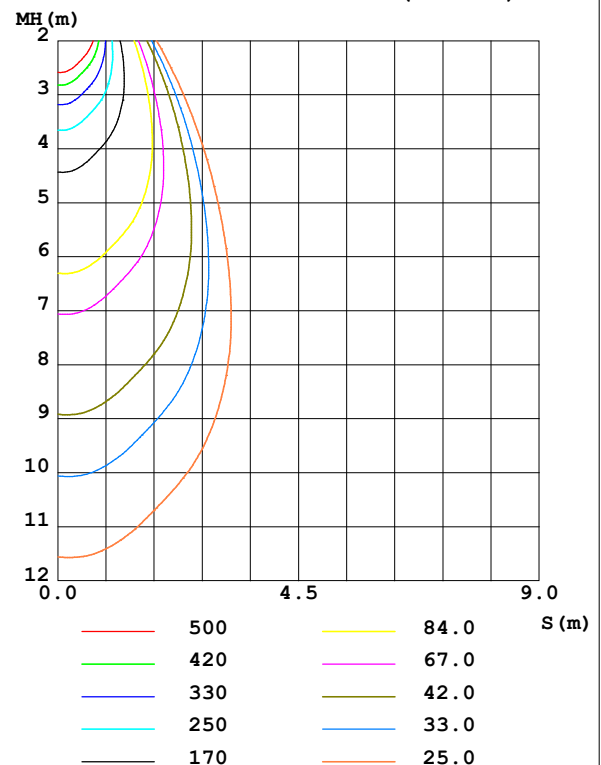
NAME: BL7066-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 67.43 lm/W
MODEL		Imax (cd)	3349	S/MH (C0/180)		0.75
NOMINAL POWER(W)	16	LOR (%)	49.9	S/MH (C90/270)		0.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	997.94	η UP,DN (C0-180)		0.0,25.6
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,24.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	119.8	η down (%)	49.9	CIBSE SHR MAX		0.30

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	2954	1942	1246	1787	2872	1802	1150	1757	0- 10	235.3	235.3	23.6, 11.8
20	2168	560.7	267.0	479.2	2089	508.4	239.0	456.1	10- 20	343.8	579.1	58, 29
30	1078	162.0	87.37	140.5	1024	143.3	77.49	128.3	20- 30	229.7	808.9	81.1, 40.4
40	361.7	56.56	40.94	51.86	321.9	49.27	37.05	46.60	30- 40	111.2	920.0	92.2, 46
50	114.0	22.37	20.49	21.31	89.80	19.00	18.56	19.08	40- 50	45.13	965.2	96.7, 48.3
60	44.52	11.82	8.856	10.65	33.39	9.869	6.844	9.081	50- 60	19.60	984.8	98.7, 49.2
70	14.92	4.757	4.670	4.780	13.32	3.057	2.574	3.350	60- 70	8.683	993.5	99.6, 49.7
80	3.389	2.299	2.384	2.366	5.385	0.9197	0.8580	1.077	70- 80	3.284	996.7	99.9, 49.8
90	1.709	0	0	0	1.981	0	0	0	80- 90	1.196	997.9	100, 49.9
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): 947.35 lm

%lum = 94.9%

%lamp = 47.4%

Conical surface Flux(120deg): 984.78 lm

%lum = 98.7%

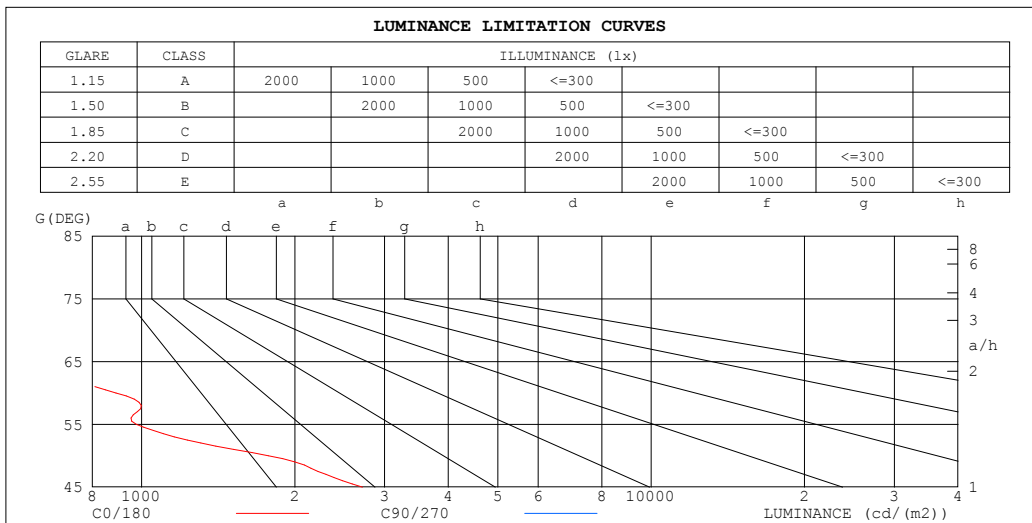
%lamp = 49.2%

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-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	267	106
80	195	137
75	307	130
70	436	137
65	648	151
60	890	177
55	978	238
50	1773	319
45	2715	421

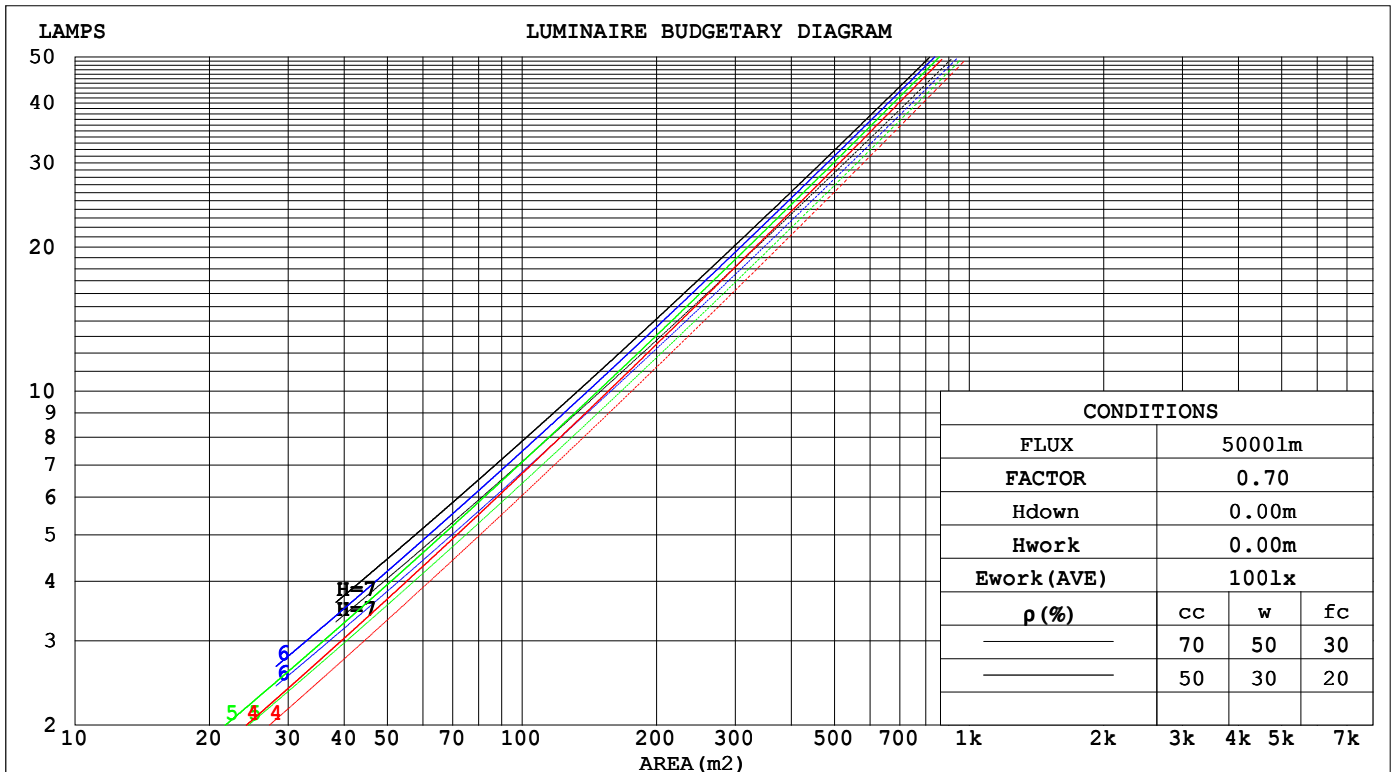
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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-C15-3-2050-NS	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	.59	.59	.59	.58	.58	.58	.55	.55	.55	.53	.53	.53	.51	.51	.51	.50														
1.0	.56	.54	.53	.55	.54	.53	.53	.52	.51	.51	.50	.49	.49	.49	.48	.47														
2.0	.52	.50	.49	.51	.50	.48	.50	.48	.47	.48	.47	.46	.47	.46	.45	.45														
3.0	.49	.47	.45	.49	.47	.45	.47	.46	.44	.46	.45	.44	.45	.44	.43	.42														
4.0	.47	.44	.42	.46	.44	.42	.45	.43	.42	.44	.42	.41	.43	.42	.41	.40														
5.0	.44	.42	.40	.44	.41	.40	.43	.41	.39	.42	.40	.39	.41	.40	.39	.38														
6.0	.42	.40	.38	.42	.39	.38	.41	.39	.37	.40	.38	.37	.40	.38	.37	.36														
7.0	.40	.38	.36	.40	.37	.36	.39	.37	.36	.39	.37	.35	.38	.36	.35	.35														
8.0	.38	.36	.34	.38	.36	.34	.38	.35	.34	.37	.35	.34	.37	.35	.34	.33														
9.0	.37	.34	.33	.37	.34	.33	.36	.34	.32	.36	.34	.32	.35	.34	.32	.32														
10.0	.35	.33	.31	.35	.33	.31	.35	.33	.31	.35	.33	.31	.34	.32	.31	.30														



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-C15-3-2050-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	.082	.046	.015	.078	.045	.014	.072	.041	.013	.066	.038	.012	.061	.035	.011		
2.0	.077	.042	.013	.074	.041	.013	.069	.038	.012	.064	.036	.011	.060	.034	.011		
3.0	.073	.039	.012	.070	.038	.011	.066	.036	.011	.062	.034	.010	.058	.032	.010		
4.0	.069	.036	.010	.067	.035	.010	.063	.033	.010	.059	.032	.010	.056	.031	.009		
5.0	.065	.033	.010	.063	.032	.009	.060	.031	.009	.057	.030	.009	.054	.029	.009		
6.0	.062	.031	.009	.060	.030	.009	.057	.029	.009	.055	.028	.008	.052	.027	.008		
7.0	.059	.029	.008	.057	.029	.008	.055	.028	.008	.052	.027	.008	.050	.026	.008		
8.0	.056	.027	.008	.055	.027	.008	.053	.026	.007	.050	.026	.007	.049	.025	.007		
9.0	.053	.026	.007	.052	.026	.007	.050	.025	.007	.049	.024	.007	.047	.024	.007		
10.0	.051	.025	.007	.050	.024	.007	.048	.024	.007	.047	.023	.007	.045	.023	.007		

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	.095	.095	.095	.081	.081	.081	.055	.055	.055	.032	.032	.032	.010	.010	.010	
1.0	.085	.079	.073	.073	.067	.063	.050	.046	.043	.029	.027	.025	.009	.009	.008	
2.0	.077	.066	.057	.066	.057	.049	.045	.039	.034	.026	.023	.020	.008	.007	.007	
3.0	.070	.057	.046	.060	.049	.040	.041	.034	.028	.024	.020	.016	.008	.006	.005	
4.0	.065	.049	.037	.055	.042	.032	.038	.030	.023	.022	.017	.014	.007	.006	.004	
5.0	.060	.043	.031	.051	.037	.027	.035	.026	.019	.020	.015	.011	.007	.005	.004	
6.0	.056	.038	.026	.048	.033	.023	.033	.023	.016	.019	.014	.010	.006	.004	.003	
7.0	.052	.035	.022	.045	.030	.019	.031	.021	.014	.018	.012	.008	.006	.004	.003	
8.0	.049	.031	.019	.042	.027	.017	.029	.019	.012	.017	.011	.007	.006	.004	.002	
9.0	.046	.029	.017	.040	.025	.014	.028	.017	.010	.016	.010	.006	.005	.003	.002	
10.0	.044	.026	.014	.038	.023	.013	.026	.016	.009	.015	.010	.005	.005	.003	.002	

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:

UGR(Unified Glare Rating) Table

NAME: BL7066-C15-3-2050-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					Viewed endwise				
x = 2H y = 2H	9.0	9.8	9.2	10.0	10.1	-1.5	-0.6	-1.2	-0.5	-0.3				
3H	9.0	9.8	9.2	9.9	10.1	-1.1	-0.3	-0.8	-0.1	0.1				
4H	9.0	9.7	9.2	9.9	10.1	-0.9	-0.2	-0.7	0.0	0.2				
6H	8.9	9.6	9.2	9.8	10.0	-0.7	-0.1	-0.5	0.2	0.4				
8H	8.9	9.5	9.2	9.8	10.0	-0.6	0.0	-0.3	0.3	0.5				
12H	8.8	9.5	9.1	9.7	10.0	-0.6	0.1	-0.2	0.3	0.6				
4H 2H	8.8	9.5	9.0	9.7	9.9	-1.2	-0.4	-0.9	-0.2	-0.0				
3H	8.8	9.4	9.1	9.7	9.9	-0.7	-0.1	-0.4	0.2	0.5				
4H	8.7	9.3	9.1	9.6	9.9	-0.5	0.1	-0.1	0.4	0.7				
6H	8.7	9.2	9.0	9.5	9.8	-0.2	0.3	0.2	0.7	1.0				
8H	8.6	9.1	9.0	9.5	9.8	-0.0	0.4	0.4	0.8	1.2				
12H	8.6	9.0	9.0	9.4	9.8	0.1	0.5	0.5	0.9	1.3				
8H 4H	8.6	9.1	9.0	9.4	9.8	-0.4	0.1	-0.0	0.4	0.8				
6H	8.5	8.9	9.0	9.3	9.7	-0.0	0.4	0.4	0.8	1.2				
8H	8.5	8.8	8.9	9.3	9.7	0.2	0.6	0.7	1.0	1.4				
12H	8.5	8.8	9.0	9.2	9.7	0.5	0.8	0.9	1.2	1.7				
12H 4H	8.5	9.0	8.9	9.3	9.7	-0.4	0.0	-0.0	0.4	0.8				
6H	8.5	8.8	8.9	9.2	9.7	0.0	0.4	0.5	0.8	1.2				
8H	8.5	8.8	8.9	9.2	9.7	0.3	0.6	0.8	1.0	1.5				
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H	+ 5.2 / - 5.8					+ 0.9 / - 1.2								
1.5H	+ 7.0 / - 7.3					+ 0.9 / - 1.0								
2.0H	+ 7.0 / - 6.1					+ 1.5 / - 1.4								

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℃
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-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

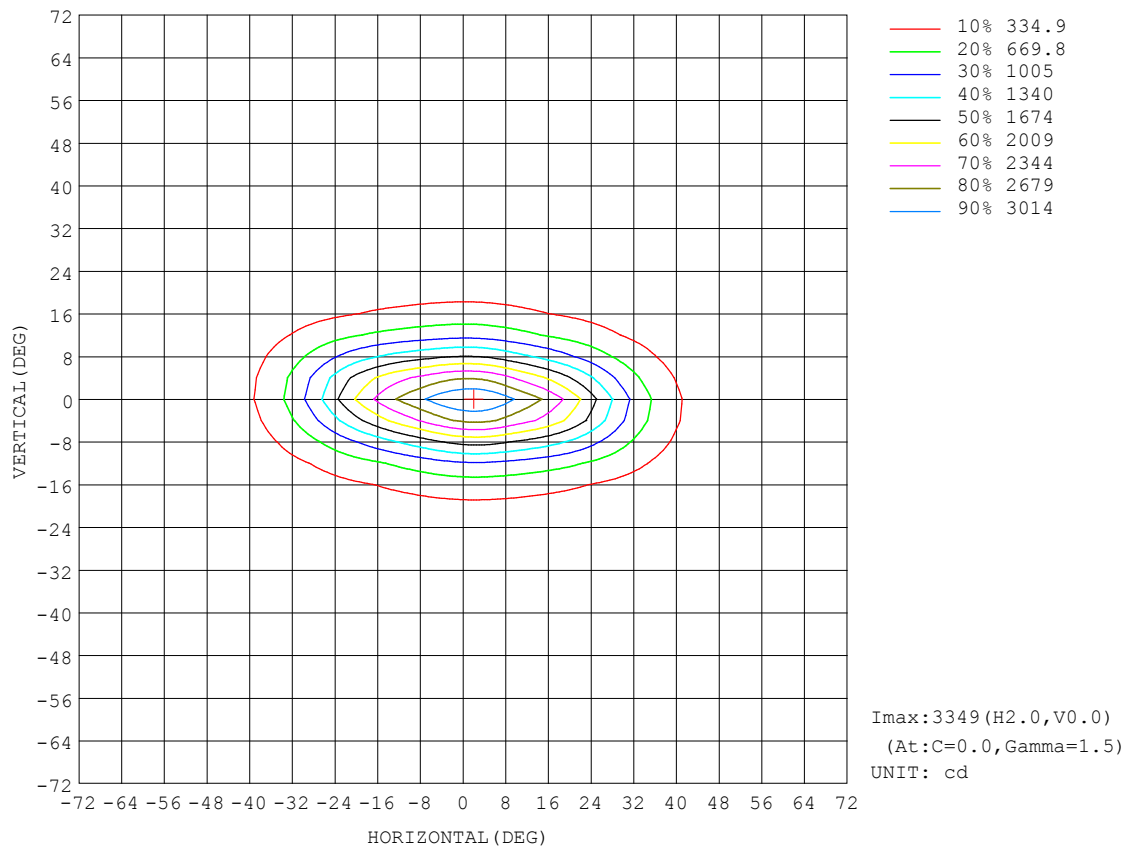
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	40	38	43	40	38	43	40	38	36
0.80	47	44	42	47	44	42	46	44	42	40
1.00	49	46	45	49	46	44	48	46	44	42
1.25	51	49	47	51	48	47	50	48	46	44
1.50	53	50	49	52	50	48	51	49	48	46
2.00	54	52	50	53	51	50	52	50	49	47
2.50	55	53	51	54	52	51	53	51	50	47
3.00	56	54	53	55	53	52	53	52	51	48
4.00	57	55	54	56	54	53	54	53	52	49
5.00	57	56	55	56	55	54	54	54	53	49
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

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

$V(\beta)$ Range: -85 - 85DEG
 $V(\beta)$ 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-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

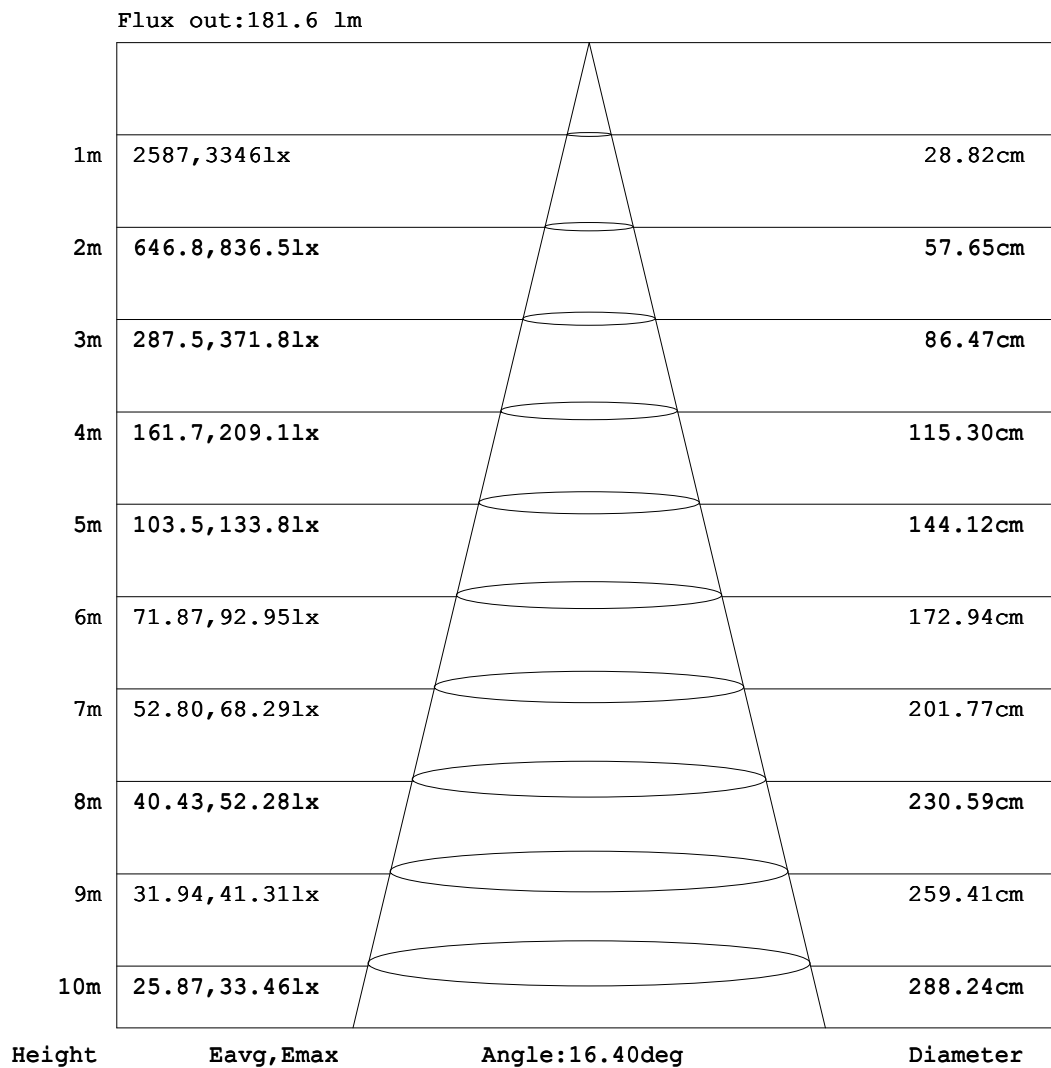


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:

AAI Figure

NAME: BL7066-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



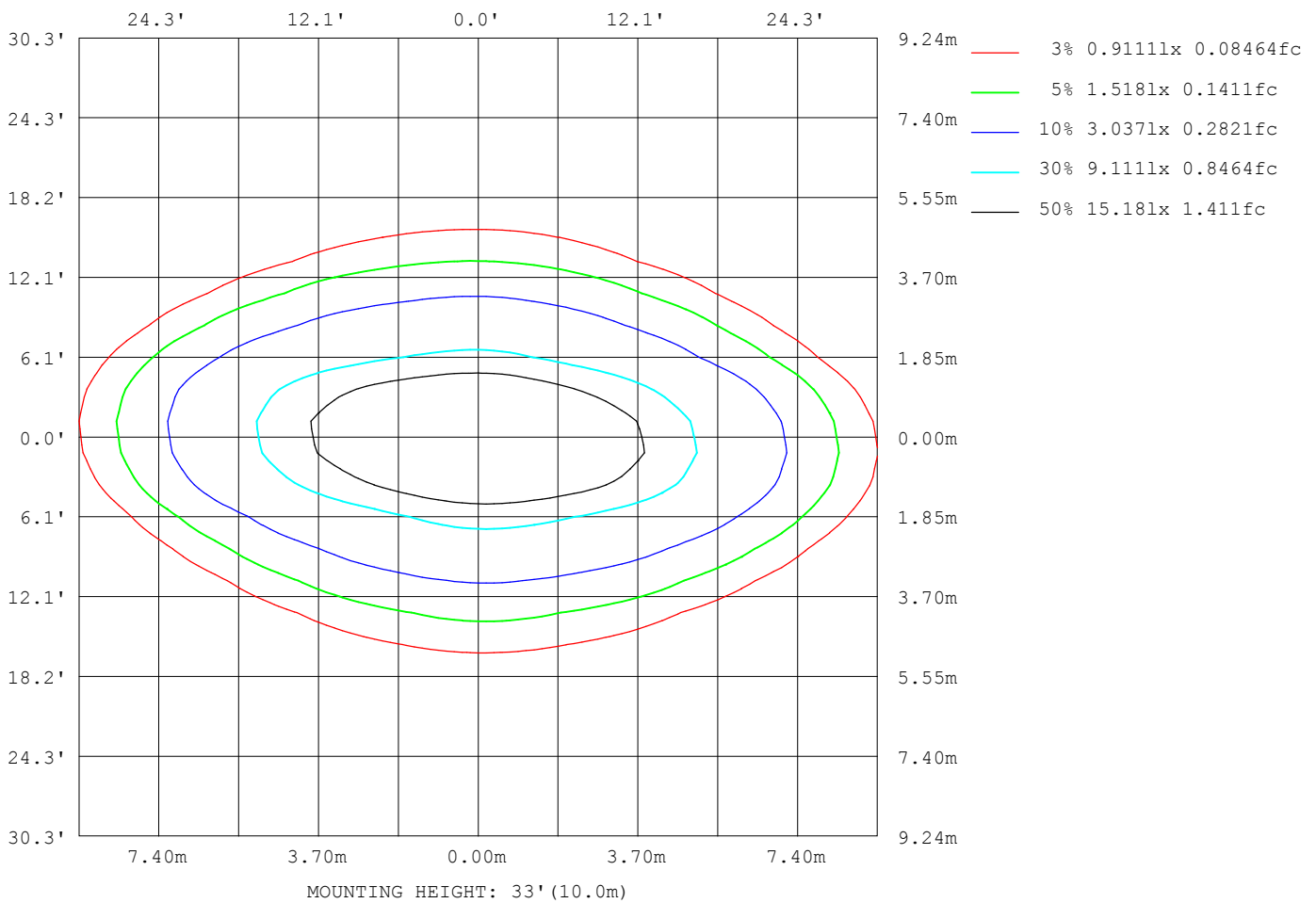
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 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:

ISOLUX DIAGRAM

NAME: BL7066-C15-3-2050-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-C15-3-2050-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

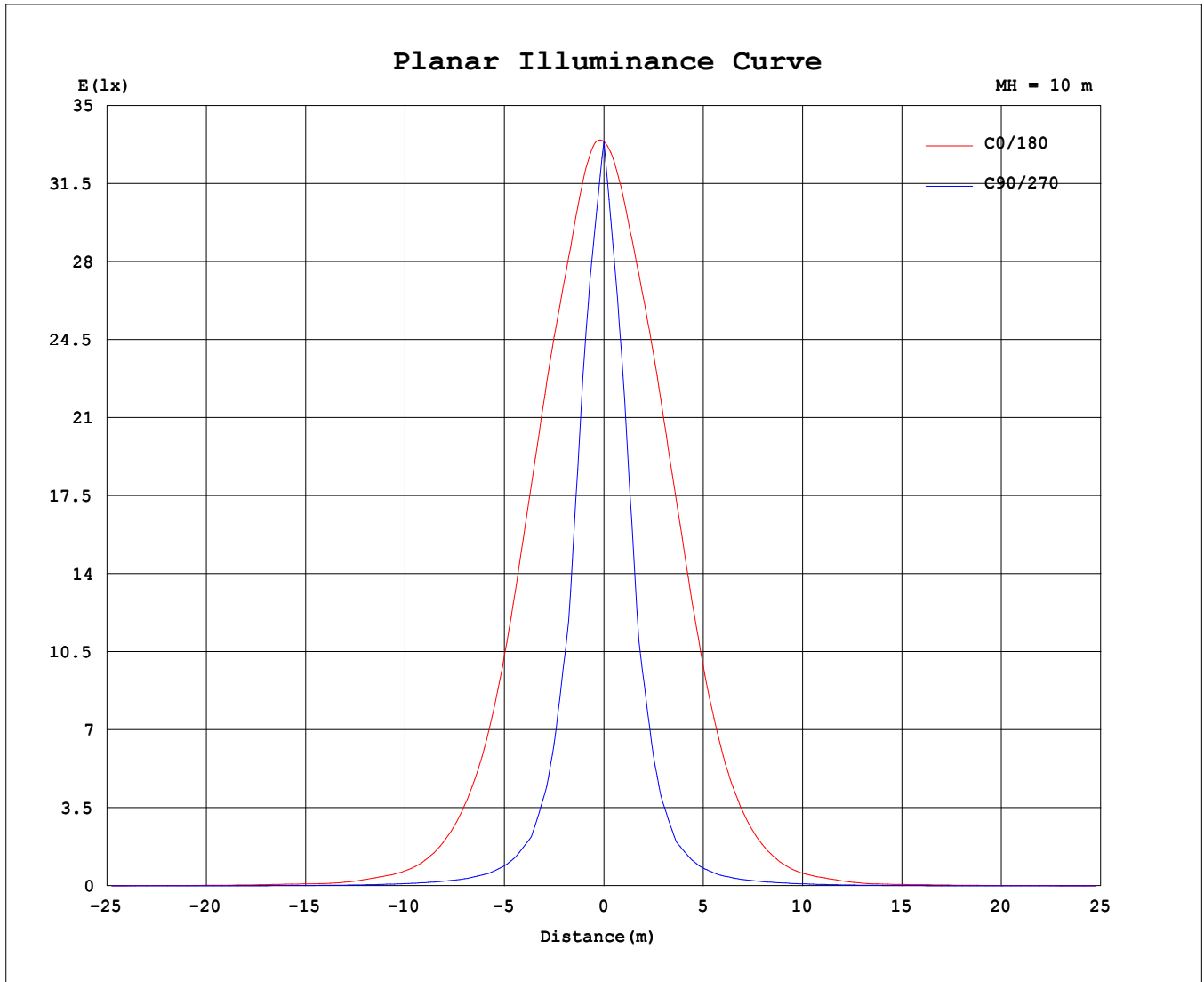
AvgL	cd/m2
L_0~180 (65) av	584
L_0~180 (75) av	302
L_0~180 (85) av	416
L_90~270 (65) av	126
L_90~270 (75) av	92
L_90~270 (85) av	77
L_45 (65) av	160
L_45 (75) av	94
L_45 (85) av	150

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:
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```
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: