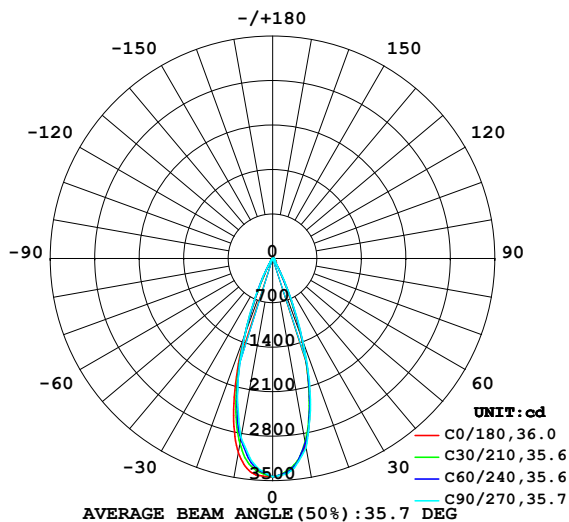


LUMINAIRE PHOTOMETRIC TEST REPORT

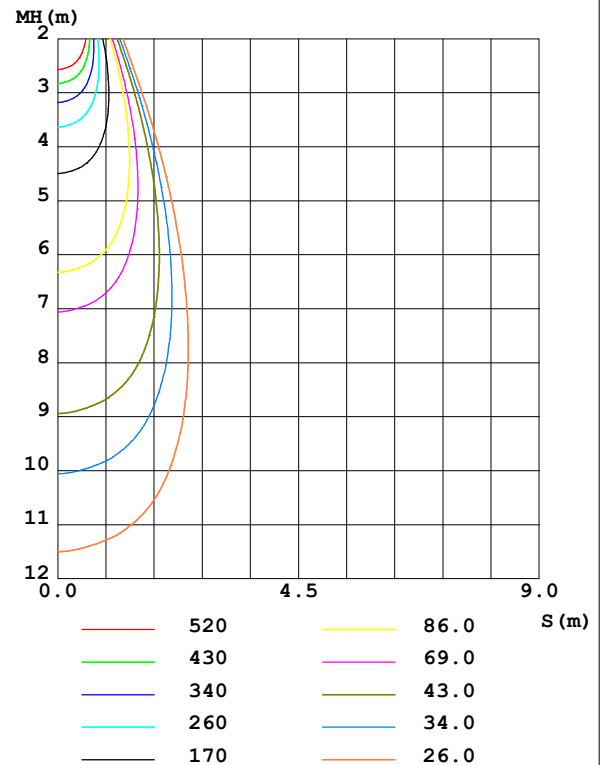
NAME: BL7066-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.59 lm/W
MODEL		Imax (cd)	3438	S/MH (C0/180)		0.55
NOMINAL POWER(W)	14	LOR (%)	64.1	S/MH (C90/270)		0.56
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1281.5	η UP,DN (C0-180)		0.0,32.8
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,31.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	119.8	η down (%)	64.1	CIBSE SHR MAX		0.55

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	2983	2936	3028	3067	3105	2912	2868	2866	0- 10	306.0	306.0	23.9, 15.3
20	1331	1349	1388	1378	1324	1284	1273	1270	10- 20	599.9	905.9	70.7, 45.3
30	210.3	200.7	186.6	184.0	157.8	180.1	174.1	198.4	20- 30	276.7	1183	92.3, 59.1
40	63.65	40.23	40.07	38.34	39.35	34.30	34.25	36.28	30- 40	54.12	1237	96.5, 61.8
50	33.18	19.07	18.87	19.16	23.81	16.40	16.22	16.11	40- 50	21.05	1258	98.1, 62.9
60	15.70	10.60	10.70	10.50	14.49	8.067	8.135	8.179	50- 60	13.80	1272	99.2, 63.6
70	4.678	3.935	4.080	4.007	8.097	1.515	1.624	1.864	60- 70	5.851	1277	99.7, 63.9
80	2.147	2.617	2.777	2.710	6.970	0.7992	0.9757	1.145	70- 80	2.699	1280	99.9, 64
90	1.343	0	0	0	2.430	0	0	0	80- 90	1.380	1281	100, 64.1
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): 1248.7 lm

%lum = 97.4%

%lamp = 62.4%

Conical surface Flux(120deg): 1271.6 lm

%lum = 99.2%

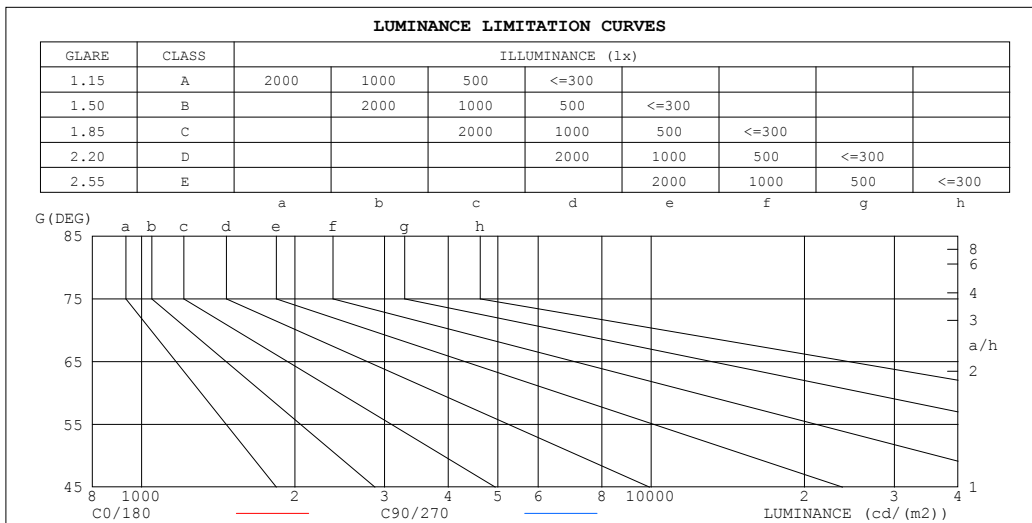
%lamp = 63.6%

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-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



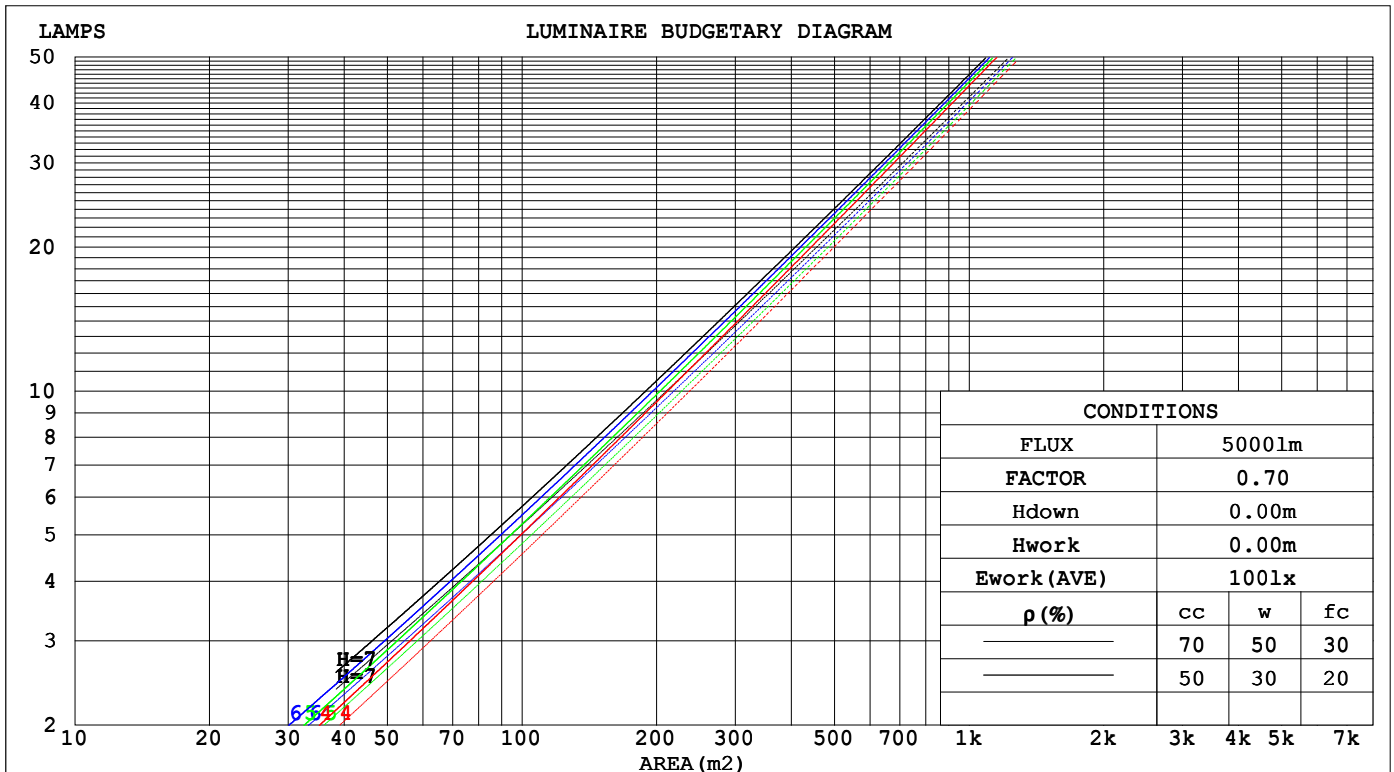
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-23

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BL7066-C15-3-36-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	.76	.76	.76	.75	.75	.75	.71	.71	.71	.68	.68	.68	.65	.65	.65	.64														
1.0	.72	.71	.69	.70	.69	.68	.68	.67	.66	.66	.65	.64	.63	.63	.62	.61														
2.0	.68	.66	.64	.67	.65	.63	.65	.63	.62	.63	.62	.61	.61	.60	.59	.58														
3.0	.65	.62	.60	.64	.61	.60	.62	.60	.59	.61	.59	.58	.59	.58	.57	.56														
4.0	.62	.59	.57	.61	.58	.56	.60	.57	.56	.58	.57	.55	.57	.56	.54	.54														
5.0	.59	.56	.54	.58	.56	.54	.57	.55	.53	.56	.54	.53	.55	.54	.52	.51														
6.0	.57	.54	.51	.56	.53	.51	.55	.53	.51	.54	.52	.51	.54	.52	.50	.49														
7.0	.54	.51	.49	.54	.51	.49	.53	.51	.49	.52	.50	.49	.52	.50	.48	.48														
8.0	.52	.49	.47	.52	.49	.47	.51	.49	.47	.51	.48	.47	.50	.48	.47	.46														
9.0	.50	.47	.45	.50	.47	.45	.50	.47	.45	.49	.47	.45	.49	.46	.45	.44														
10.0	.49	.46	.44	.48	.46	.44	.48	.45	.44	.47	.45	.44	.47	.45	.43	.43														



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-C15-3-36-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	.097	.055	.017	.092	.053	.017	.084	.048	.015	.077	.044	.014	.070	.041	.013		
2.0	.090	.049	.015	.087	.048	.015	.080	.045	.014	.074	.042	.013	.068	.039	.012		
3.0	.085	.045	.013	.082	.044	.013	.076	.041	.013	.071	.039	.012	.066	.037	.011		
4.0	.080	.041	.012	.077	.040	.012	.072	.038	.011	.068	.037	.011	.064	.035	.011		
5.0	.075	.038	.011	.073	.038	.011	.069	.036	.011	.065	.034	.010	.062	.033	.010		
6.0	.071	.036	.010	.070	.035	.010	.066	.034	.010	.063	.033	.010	.060	.031	.009		
7.0	.068	.034	.010	.066	.033	.009	.063	.032	.009	.060	.031	.009	.058	.030	.009		
8.0	.065	.032	.009	.063	.031	.009	.061	.030	.009	.058	.029	.009	.056	.029	.008		
9.0	.062	.030	.008	.061	.030	.008	.058	.029	.008	.056	.028	.008	.054	.027	.008		
10.0	.060	.029	.008	.058	.028	.008	.056	.028	.008	.054	.027	.008	.052	.026	.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	.122	.122	.122	.104	.104	.104	.071	.071	.071	.041	.041	.041	.013	.013	.013	
1.0	.108	.101	.094	.093	.087	.081	.063	.060	.056	.037	.034	.033	.012	.011	.011	
2.0	.097	.085	.074	.083	.073	.064	.057	.051	.045	.033	.029	.026	.011	.010	.009	
3.0	.088	.073	.060	.076	.063	.052	.052	.044	.037	.030	.025	.022	.010	.008	.007	
4.0	.081	.063	.049	.069	.054	.043	.048	.038	.030	.028	.022	.018	.009	.007	.006	
5.0	.074	.055	.041	.064	.048	.036	.044	.033	.025	.025	.020	.015	.008	.006	.005	
6.0	.069	.049	.035	.059	.042	.030	.041	.030	.021	.024	.017	.013	.008	.006	.004	
7.0	.064	.044	.029	.055	.038	.026	.038	.027	.018	.022	.016	.011	.007	.005	.004	
8.0	.060	.040	.025	.052	.034	.022	.036	.024	.016	.021	.014	.009	.007	.005	.003	
9.0	.057	.036	.022	.049	.031	.019	.034	.022	.014	.020	.013	.008	.006	.004	.003	
10.0	.054	.033	.019	.046	.029	.017	.032	.020	.012	.019	.012	.007	.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-C15-3-36-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					-0.6	0.2	-0.4	0.3	0.5	-1.7	-1.0	-1.5	-0.8	-0.7
3H					-0.5	0.2	-0.2	0.4	0.6	-1.5	-0.8	-1.2	-0.6	-0.4
4H					-0.4	0.2	-0.2	0.4	0.7	-1.3	-0.7	-1.1	-0.5	-0.3
6H					-0.4	0.3	-0.1	0.5	0.7	-1.1	-0.5	-0.8	-0.3	-0.0
8H					-0.3	0.3	0.0	0.5	0.8	-1.0	-0.4	-0.7	-0.1	0.1
12H					-0.2	0.4	0.1	0.6	0.9	-0.8	-0.3	-0.5	0.0	0.3
4H 2H					-0.6	0.0	-0.3	0.3	0.5	-1.6	-1.0	-1.4	-0.8	-0.6
3H					-0.4	0.1	-0.1	0.4	0.7	-1.3	-0.7	-1.0	-0.5	-0.2
4H					-0.3	0.2	0.0	0.5	0.8	-1.1	-0.6	-0.7	-0.3	0.0
6H					-0.1	0.3	0.2	0.6	1.0	-0.7	-0.3	-0.4	0.0	0.4
8H					0.0	0.4	0.4	0.8	1.1	-0.5	-0.1	-0.1	0.3	0.6
12H					0.2	0.6	0.6	1.0	1.4	-0.3	0.1	0.1	0.5	0.9
8H 4H					-0.3	0.1	0.1	0.5	0.8	-1.1	-0.6	-0.7	-0.3	0.1
6H					-0.0	0.3	0.4	0.7	1.1	-0.6	-0.2	-0.1	0.2	0.6
8H					0.3	0.6	0.7	1.0	1.4	-0.2	0.1	0.2	0.5	1.0
12H					0.7	0.9	1.1	1.4	1.9	0.1	0.4	0.6	0.9	1.3
12H 4H					-0.3	0.1	0.1	0.4	0.8	-1.1	-0.7	-0.7	-0.3	0.1
6H					0.0	0.3	0.5	0.7	1.2	-0.5	-0.2	-0.1	0.2	0.6
8H					0.3	0.6	0.8	1.0	1.5	-0.1	0.2	0.4	0.6	1.1
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 1.5 / - 1.3					+ 0.9 / - 0.9				
1.5H					+ 2.3 / - 1.9					+ 1.7 / - 0.8				
2.0H					+ 2.6 / - 1.9					+ 0.7 / - 0.9				

CIE Pub.117, 2000 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.4$)
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-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

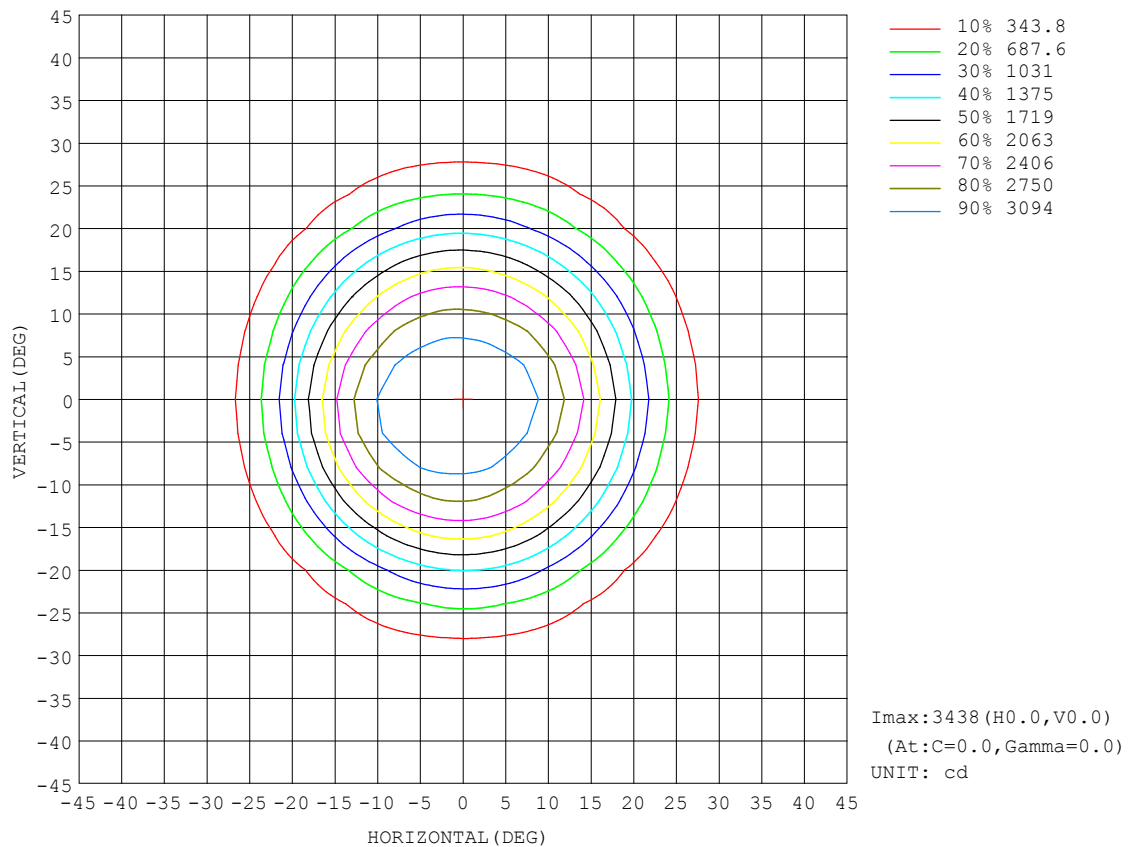
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	53	51	57	53	51	56	53	51	49
0.80	62	58	56	61	58	56	61	58	56	54
1.00	64	61	59	64	61	59	63	61	58	56
1.25	67	64	62	66	63	61	65	63	61	58
1.50	68	66	64	68	65	63	66	64	63	60
2.00	70	67	65	69	67	65	67	66	64	61
2.50	71	69	67	70	68	66	68	66	65	61
3.00	72	70	68	71	69	67	69	67	66	62
4.00	73	71	70	72	70	69	70	68	68	63
5.00	74	73	71	73	71	70	70	69	68	64
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 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(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:

ISOCANDELA DIAGRAM

NAME: BL7066-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

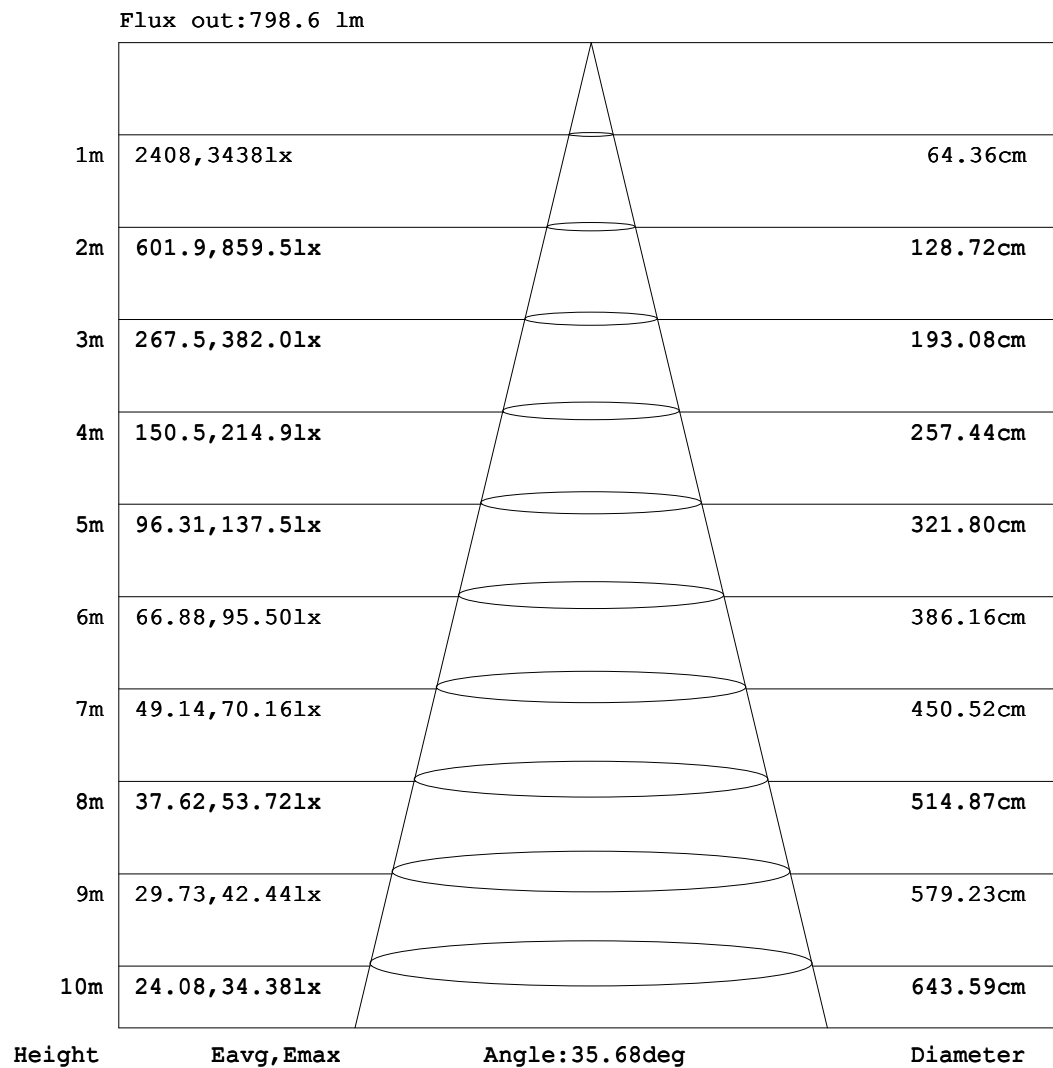


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators: ZT
Test Date: 2024-01-23

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-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



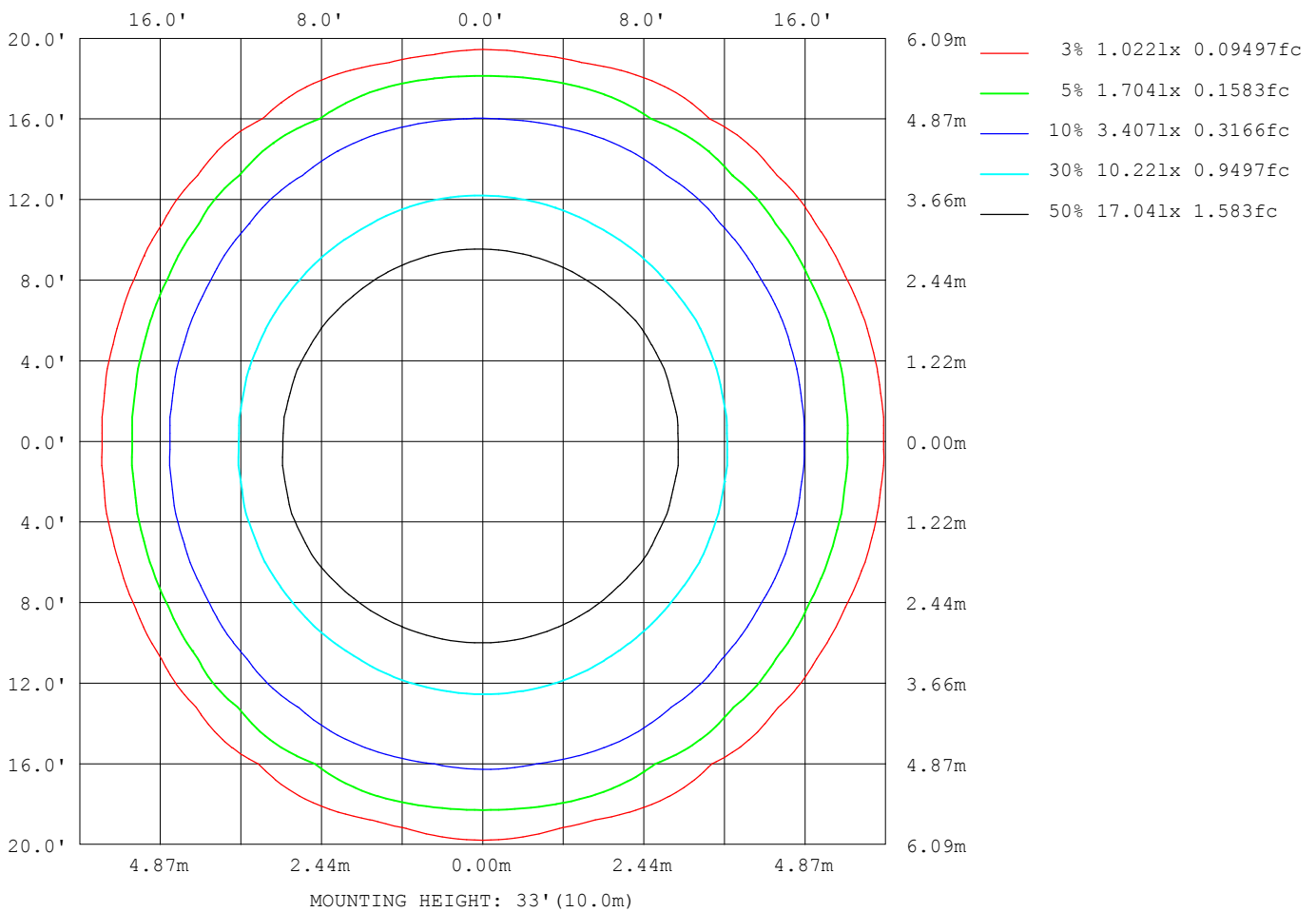
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

ISOLUX DIAGRAM

NAME: BL7066-C15-3-36-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-C15-3-36-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

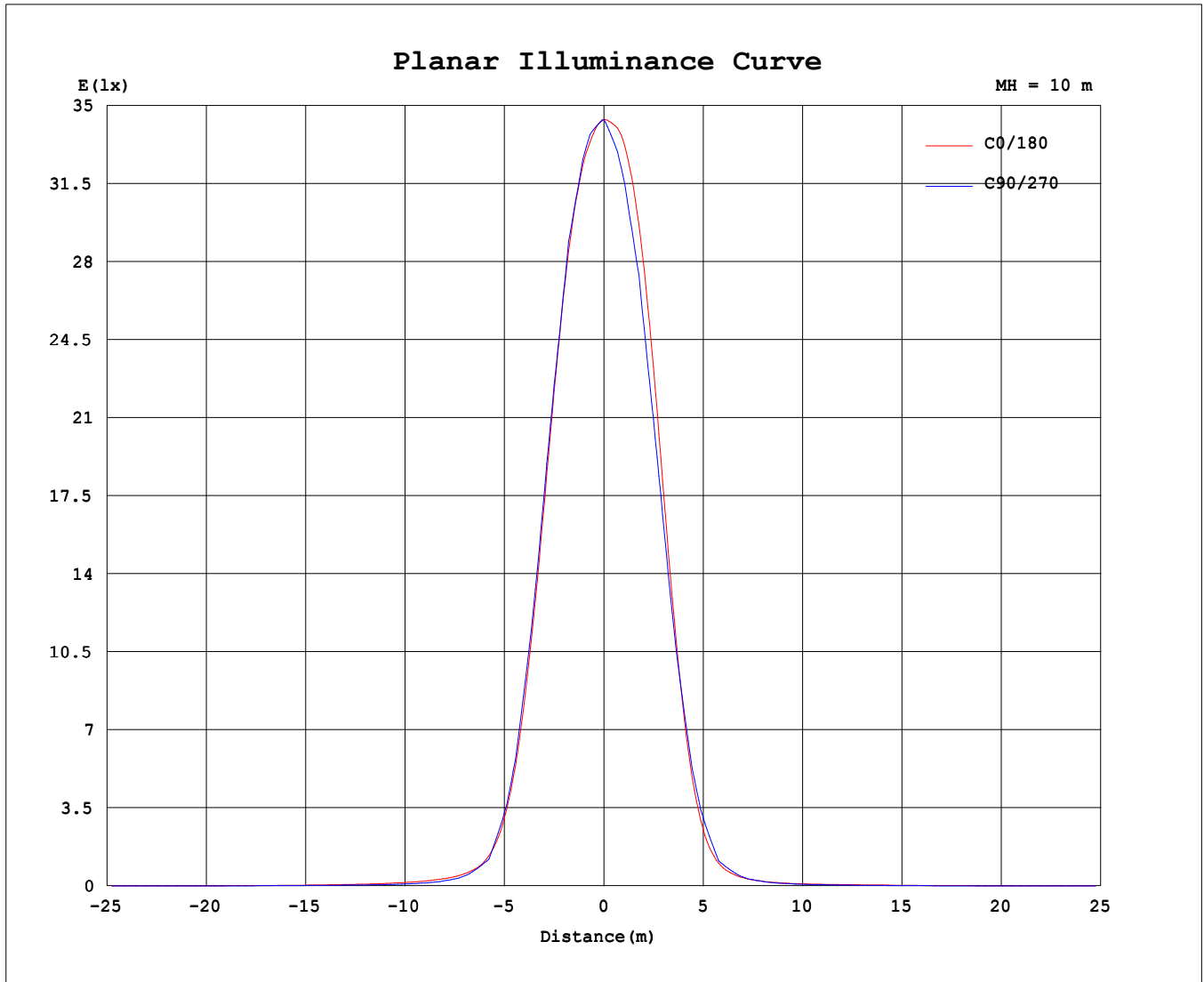
AvgL	cd/m2
L_0~180 (65) av	217
L_0~180 (75) av	204
L_0~180 (85) av	464
L_90~270 (65) av	121
L_90~270 (75) av	86
L_90~270 (85) av	97
L_45 (65) av	116
L_45 (75) av	85
L_45 (85) av	180

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:

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: