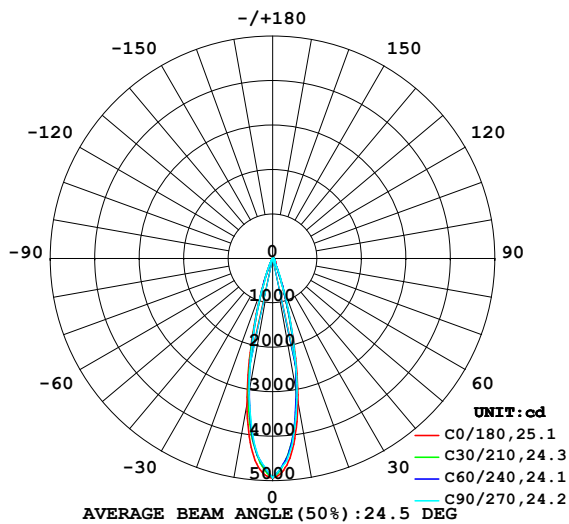


LUMINAIRE PHOTOMETRIC TEST REPORT

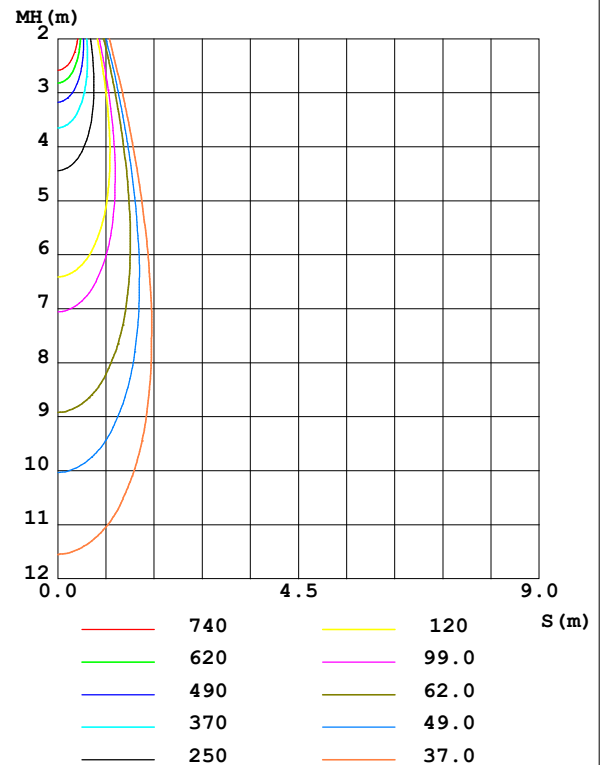
NAME: BL7066-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.42 lm/W
MODEL		Imax (cd)	4937	S/MH (C0/180)	0.41	
NOMINAL POWER(W)	10	LOR (%)	100.2	S/MH (C90/270)	0.40	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1002.0	η UP,DN (C0-180)	0.0,51.1	
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	119.9	η down (%)	100.2	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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	3285	3070	3179	3275	3335	3100	3070	3121	0- 10	379.0	379.0	37.8, 37.9
20	620.3	624.7	608.6	622.5	599.4	596.2	546.6	585.9	10- 20	449.6	828.5	82.7, 82.9
30	118.0	95.61	92.65	84.82	79.92	78.57	74.05	79.44	20- 30	111.4	939.9	93.8, 94
40	52.79	27.69	27.31	26.57	30.31	22.26	21.69	22.22	30- 40	30.66	970.6	96.9, 97.1
50	26.11	13.93	13.92	14.43	17.81	11.64	11.61	11.59	40- 50	15.35	985.9	98.4, 98.6
60	10.73	6.382	6.477	6.871	9.823	4.454	4.454	4.882	50- 60	9.022	995.0	99.3, 99.5
70	3.272	3.073	3.347	3.297	6.557	0.9615	1.087	1.405	60- 70	3.881	998.8	99.7, 99.9
80	1.407	2.132	2.391	2.470	5.365	0.3950	0.4978	0.7860	70- 80	2.087	1001	99.9, 100
90	0.8776	0	0	0	1.671	0	0	0	80- 90	1.020	1002	100, 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		

Conical surface Flux(90deg): 979.19 lm

%lum = 97.7%

%lamp = 97.9%

Conical surface Flux(120deg): 994.97 lm

%lum = 99.3%

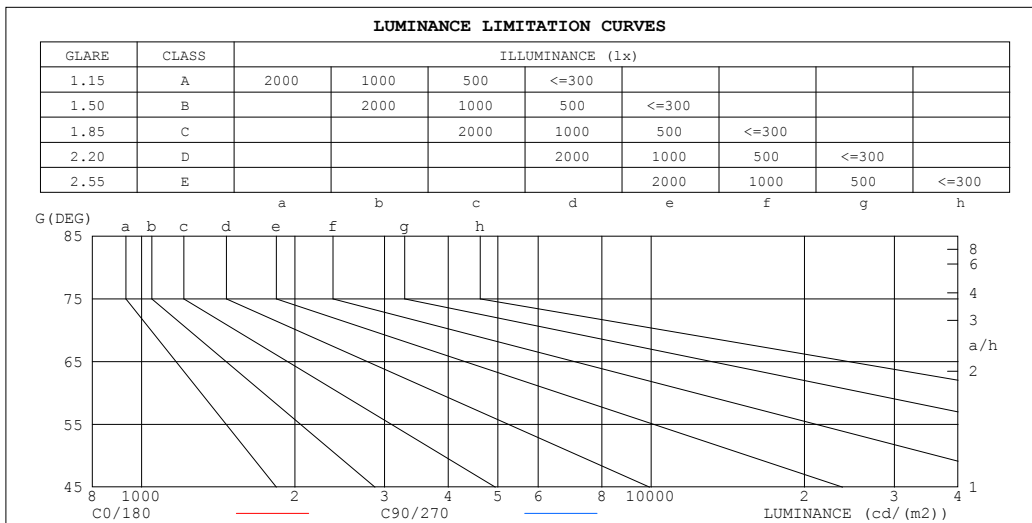
%lamp = 99.5%

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ZT
 Test Date:2024-01-25

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-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



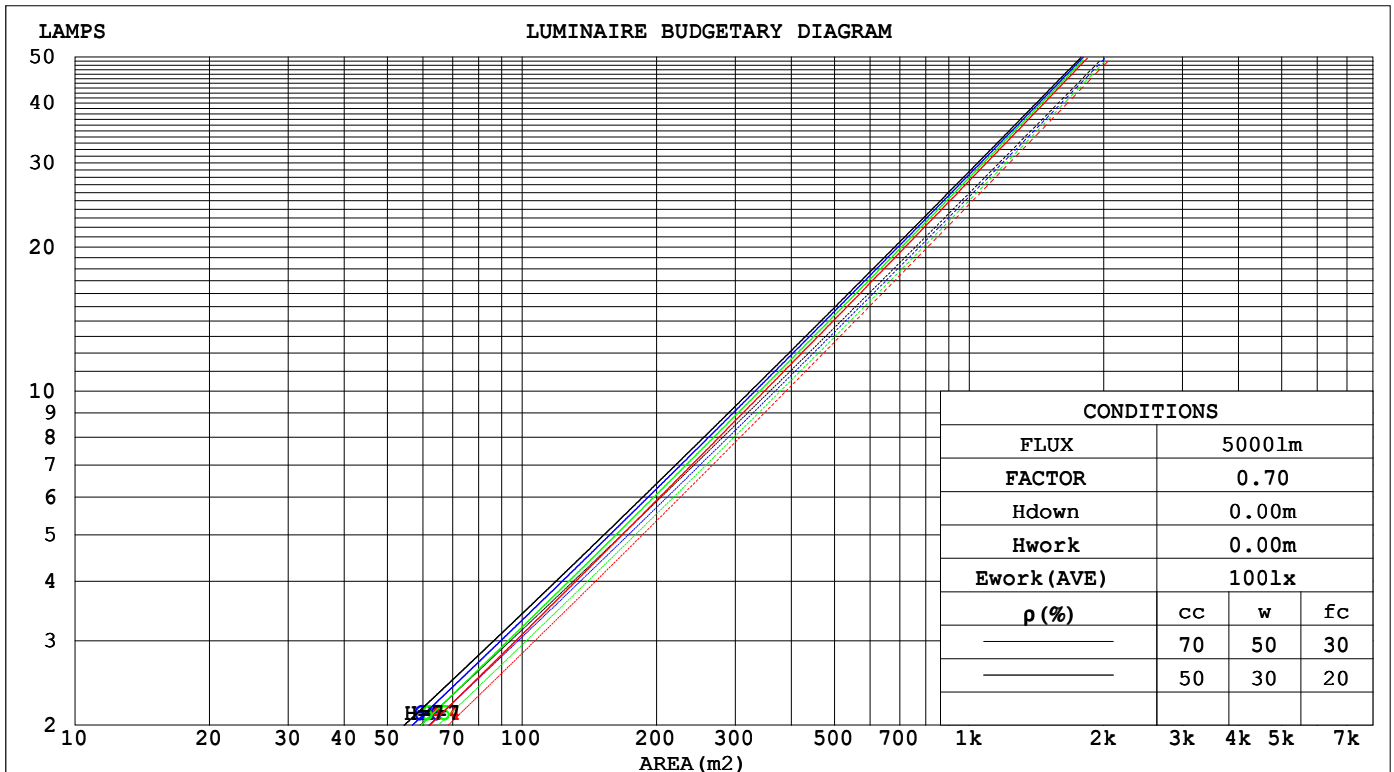
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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-C10-3-24-80-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	1.19	1.19	1.19	1.17	1.17	1.17	1.11	1.11	1.11	1.07	1.07	1.07	1.02	1.02	1.02	1.00														
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97														
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93														
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.94	.97	.95	.93	.95	.93	.92	.90														
4.0	.99	.95	.92	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88														
5.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85														
6.0	.93	.88	.85	.92	.88	.85	.91	.87	.85	.89	.86	.84	.88	.86	.84	.83														
7.0	.90	.86	.83	.89	.85	.82	.88	.85	.82	.87	.84	.82	.86	.83	.81	.80														
8.0	.87	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78														
9.0	.85	.81	.78	.84	.80	.78	.83	.80	.78	.83	.80	.77	.82	.79	.77	.76														
10.0	.82	.79	.76	.82	.78	.76	.81	.78	.76	.81	.78	.75	.80	.77	.75	.74														



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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-C10-3-24-80-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	.138	.079	.025	.132	.075	.024	.119	.068	.022	.108	.062	.020	.097	.056	.018	
2.0	.128	.070	.021	.122	.067	.021	.112	.062	.019	.103	.058	.018	.094	.053	.017	
3.0	.119	.063	.019	.114	.061	.018	.106	.057	.017	.098	.054	.016	.090	.050	.015	
4.0	.111	.058	.017	.107	.056	.017	.100	.053	.016	.093	.050	.015	.087	.047	.014	
5.0	.104	.053	.015	.101	.052	.015	.095	.049	.015	.089	.047	.014	.084	.045	.013	
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013	.081	.042	.013	
7.0	.093	.046	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012	.078	.040	.012	
8.0	.088	.043	.012	.086	.043	.012	.082	.041	.012	.079	.040	.011	.075	.039	.011	
9.0	.084	.041	.011	.083	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	
10.0	.081	.039	.011	.079	.038	.011	.076	.037	.010	.073	.036	.010	.070	.035	.010	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.148	.144	.136	.128	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.069	.073	.059	.048	.042	.035	.029	.014	.011	.009	
5.0	.112	.086	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.103	.076	.056	.089	.066	.049	.061	.046	.034	.036	.027	.020	.011	.009	.007	
7.0	.096	.067	.048	.082	.058	.042	.057	.041	.029	.033	.024	.018	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.083	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.006	.004	
10.0	.078	.050	.031	.067	.044	.027	.047	.031	.020	.027	.018	.012	.009	.006	.004	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-25

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-C10-3-24-80-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	-0.1	0.6	0.1	0.7	0.9	-1.6	-1.0	-1.4	-0.8	-0.7				
3H	0.1	0.7	0.3	0.8	1.0	-1.2	-0.6	-1.0	-0.4	-0.2				
4H	0.1	0.7	0.4	0.9	1.1	-0.9	-0.3	-0.7	-0.1	0.1				
6H	0.2	0.7	0.5	1.0	1.2	-0.5	0.0	-0.2	0.3	0.5				
8H	0.3	0.8	0.6	1.0	1.3	-0.3	0.3	0.0	0.5	0.8				
12H	0.4	0.9	0.7	1.1	1.4	-0.0	0.5	0.3	0.8	1.0				
4H 2H	-0.1	0.5	0.2	0.7	0.9	-1.5	-0.9	-1.3	-0.7	-0.5				
3H	0.1	0.6	0.4	0.9	1.1	-1.0	-0.5	-0.7	-0.2	0.1				
4H	0.3	0.7	0.6	1.0	1.3	-0.5	-0.1	-0.2	0.2	0.5				
6H	0.5	0.9	0.8	1.2	1.5	0.1	0.5	0.4	0.8	1.1				
8H	0.6	1.0	1.0	1.3	1.7	0.4	0.8	0.8	1.1	1.5				
12H	0.9	1.2	1.3	1.6	2.0	0.8	1.1	1.2	1.5	1.9				
8H 4H	0.3	0.7	0.7	1.0	1.4	-0.4	-0.1	-0.1	0.3	0.7				
6H	0.7	1.0	1.1	1.4	1.8	0.3	0.7	0.8	1.0	1.5				
8H	1.0	1.3	1.4	1.7	2.1	0.8	1.1	1.3	1.5	2.0				
12H	1.4	1.7	1.9	2.1	2.6	1.3	1.6	1.8	2.0	2.5				
12H 4H	0.3	0.7	0.7	1.0	1.4	-0.4	-0.1	-0.0	0.3	0.7				
6H	0.7	1.0	1.2	1.4	1.9	0.4	0.7	0.8	1.1	1.5				
8H	1.1	1.4	1.6	1.8	2.3	1.0	1.2	1.4	1.7	2.1				
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H	+ 2.0 / - 1.5					+ 0.6 / - 0.7								
1.5H	+ 2.9 / - 1.7					+ 1.1 / - 0.5								
2.0H	+ 3.6 / - 1.7					+ 1.0 / - 0.7								

CIE Pub.117, 1000 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.0)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-25

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-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

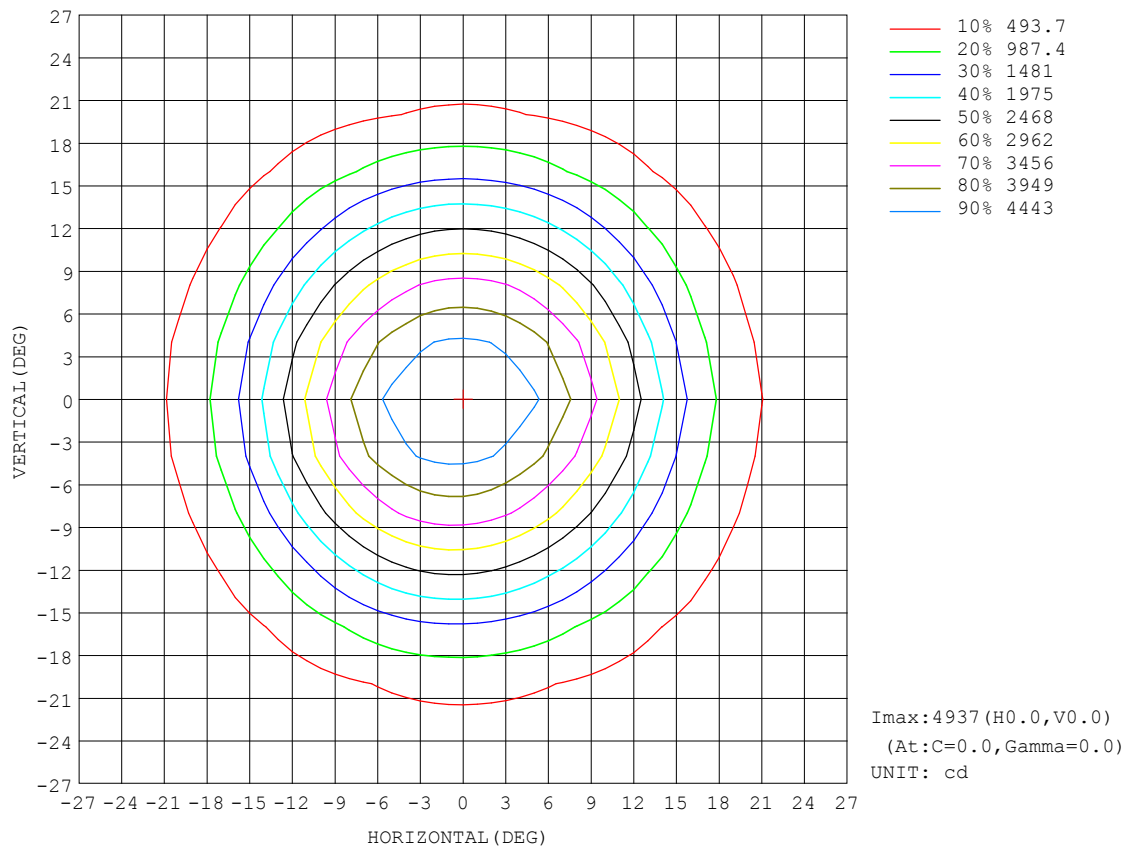
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	87	84
1.00	101	96	92	100	95	92	99	95	91	88
1.25	105	100	96	104	99	96	102	98	95	91
1.50	107	103	100	106	102	99	104	100	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ZT
 Test Date:2024-01-25

$V(B)$ 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-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

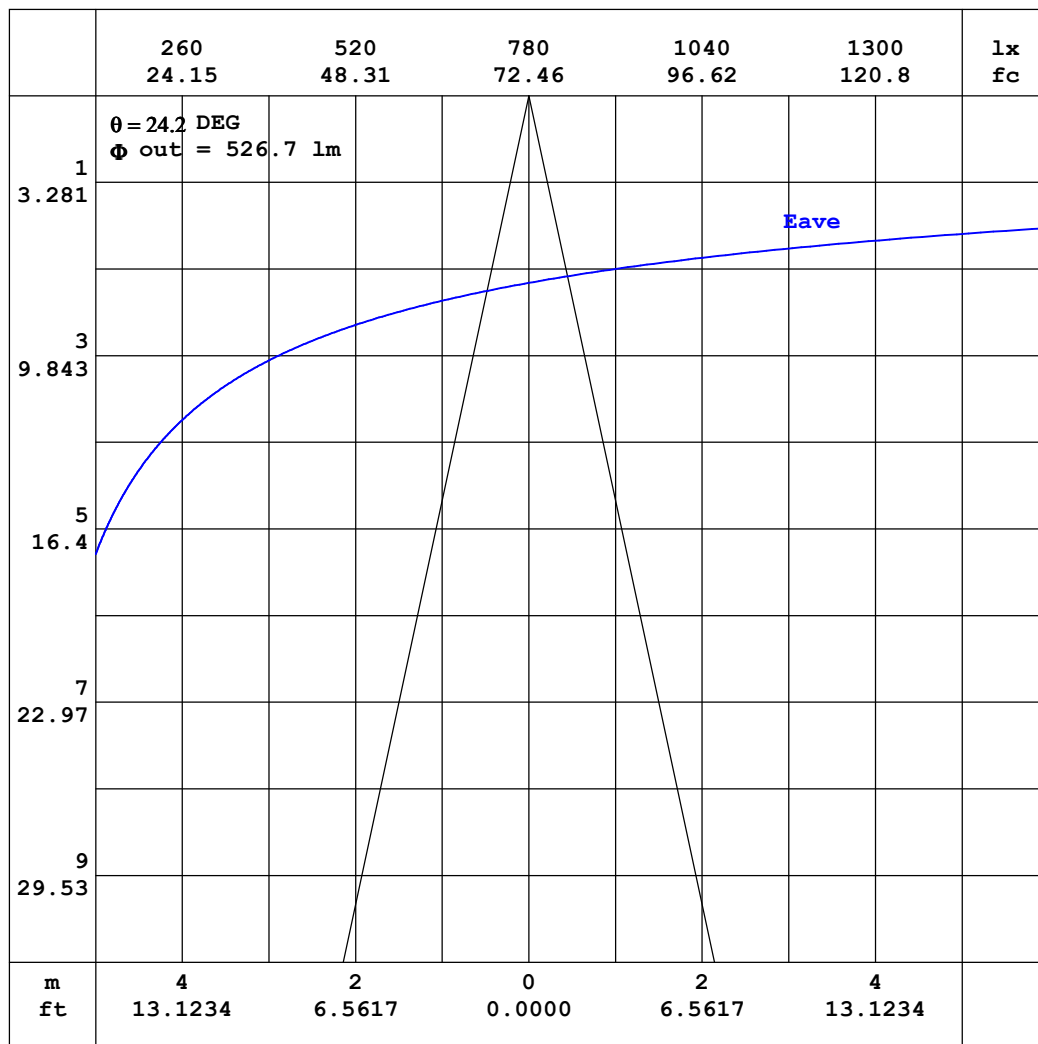


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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 CURVES

NAME: BL7066-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



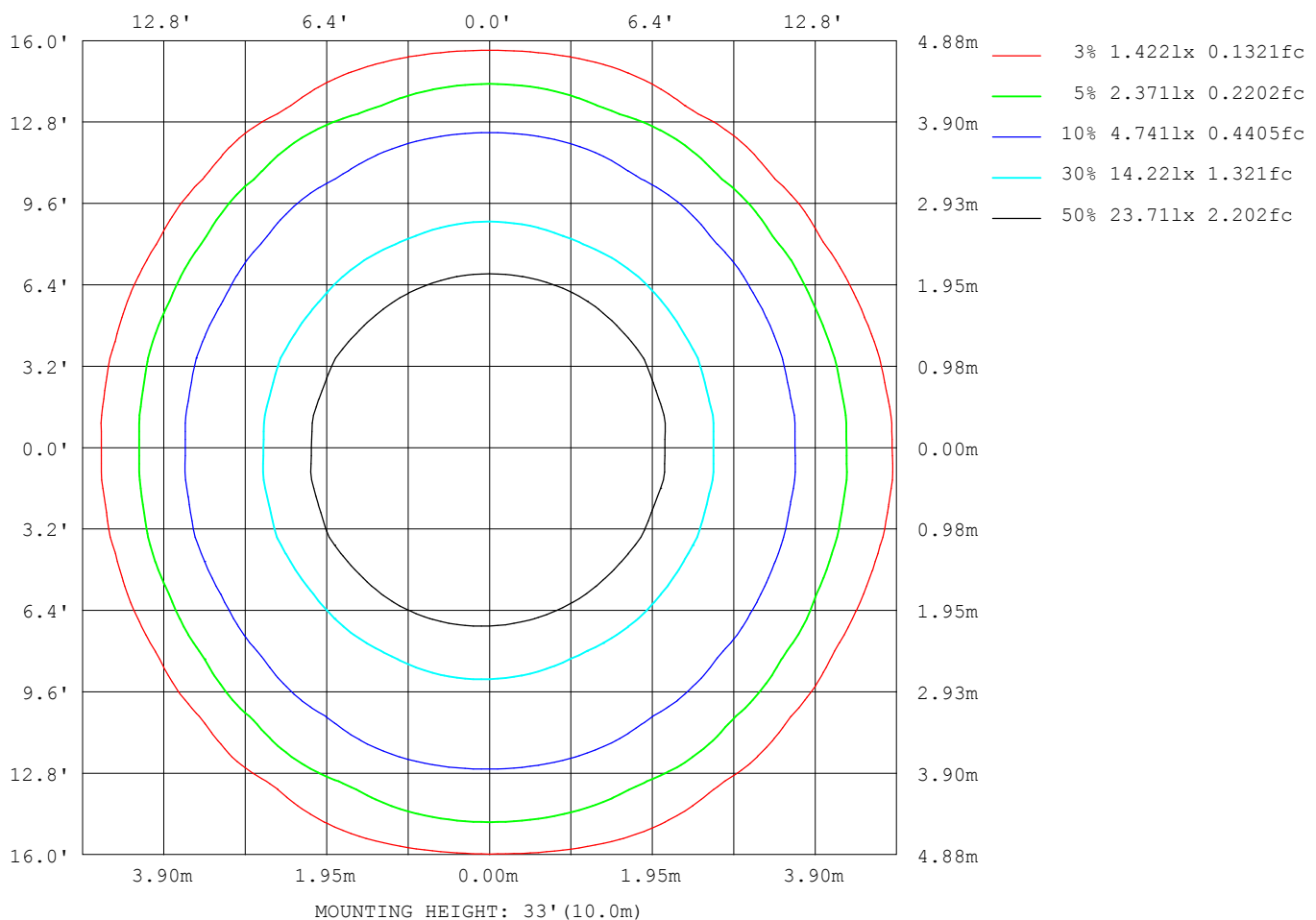
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: ZT
Test Date: 2024-01-25

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-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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-C10-3-24-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

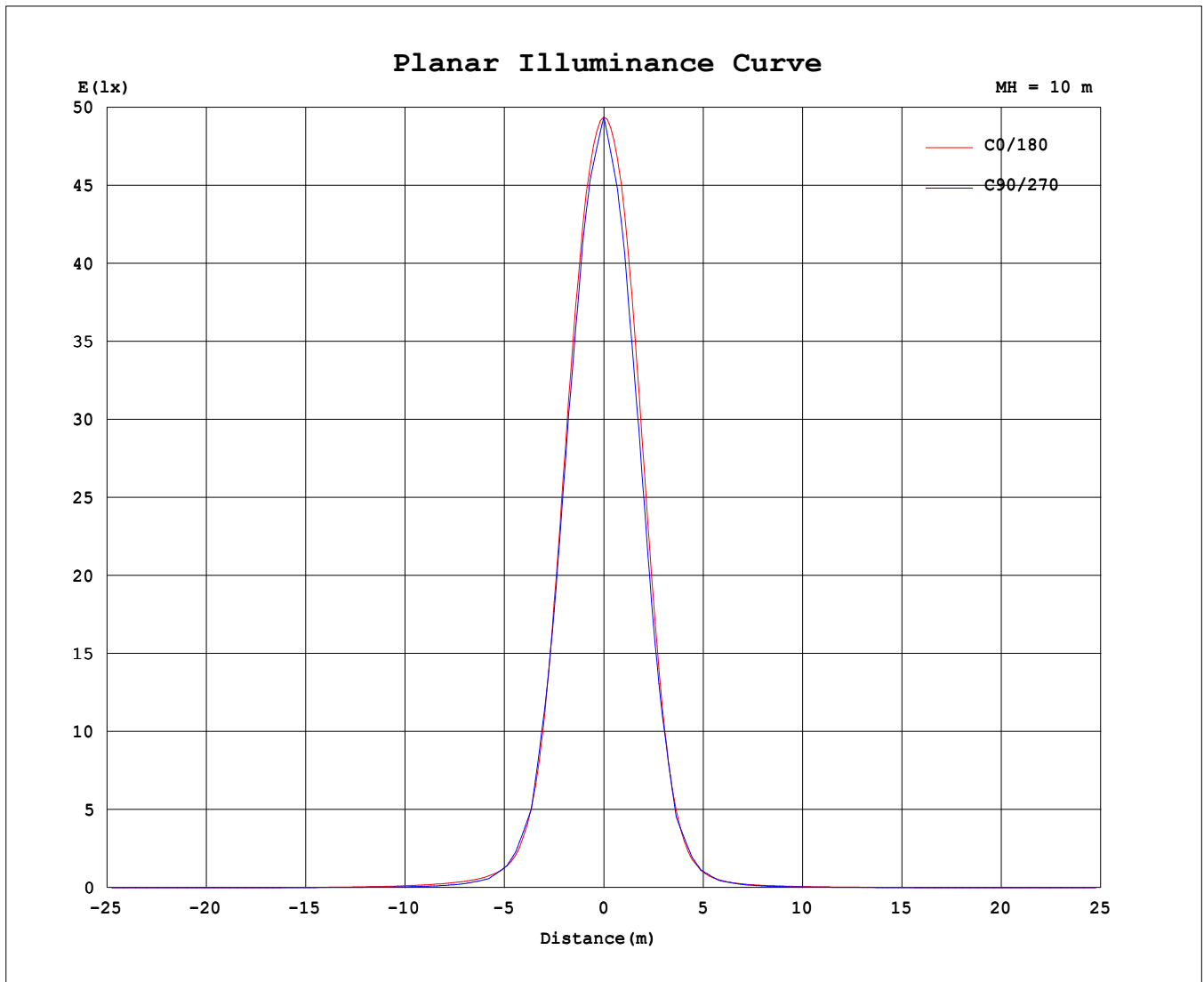
AvgL	cd/m2
L_0~180 (65) av	158
L_0~180 (75) av	155
L_0~180 (85) av	337
L_90~270 (65) av	78
L_90~270 (75) av	70
L_90~270 (85) av	71
L_45 (65) av	77
L_45 (75) av	69
L_45 (85) av	129

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZT
Test Date:2024-01-25

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: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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:
```