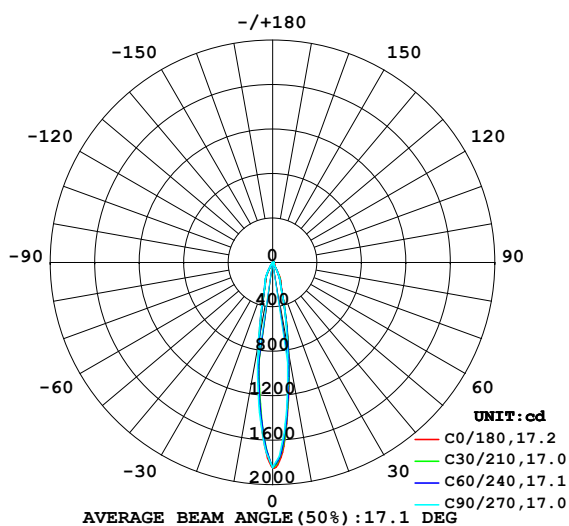


LUMINAIRE PHOTOMETRIC TEST REPORT

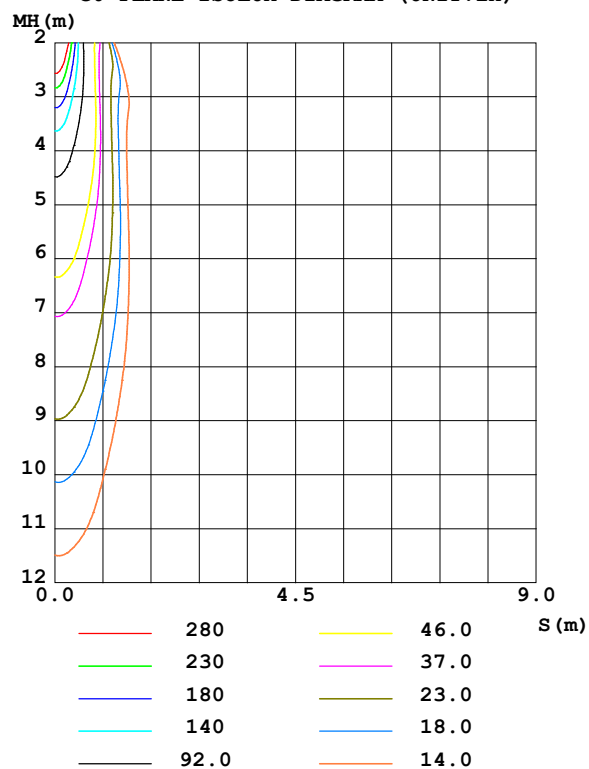
NAME: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.60 lm/W
MODEL		Imax (cd)	1851	S/MH (C0/180)		0.32
NOMINAL POWER(W)	4	LOR (%)	49.3	S/MH (C90/270)		0.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	295.73	η UP,DN (C0-180)		0.0,24.8
NOMINAL FLUX(lm)	600	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,24.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	120.4	η down (%)	49.3	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: LOW
Temperature:25.3°C
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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	841.7	834.1	777.1	733.4	720.5	697.9	742.9	804.8	0- 10	110.4	110.4	37.3, 18.4
20	230.0	215.5	208.1	200.0	194.7	203.6	201.0	216.6	10- 20	108.5	218.9	74, 36.5
30	66.27	49.87	34.65	39.20	39.77	53.29	59.52	66.22	20- 30	61.03	279.9	94.6, 46.6
40	11.87	4.049	3.701	3.607	4.556	2.455	2.391	3.058	30- 40	9.373	289.3	97.8, 48.2
50	6.233	2.066	2.024	2.018	2.894	1.329	1.441	1.363	40- 50	2.332	291.6	98.6, 48.6
60	2.949	1.458	1.460	1.450	2.508	0.9437	0.9496	1.000	50- 60	1.593	293.2	99.1, 48.9
70	1.370	1.103	1.100	1.015	2.161	0.5389	0.5697	0.7006	60- 70	1.159	294.3	99.5, 49.1
80	0.6487	0.8459	0.8513	0.8053	1.762	0.3340	0.3537	0.4353	70- 80	0.8169	295.2	99.8, 49.2
90	0.3995	0.4912	0.5371	0.5633	0.6340	0.3799	0.3668	0.3406	80- 90	0.5771	295.7	100, 49.3
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): 290.54 lm

%lum = 98.2%

%lamp = 48.4%

Conical surface Flux(120deg): 293.17 lm

%lum = 99.1%

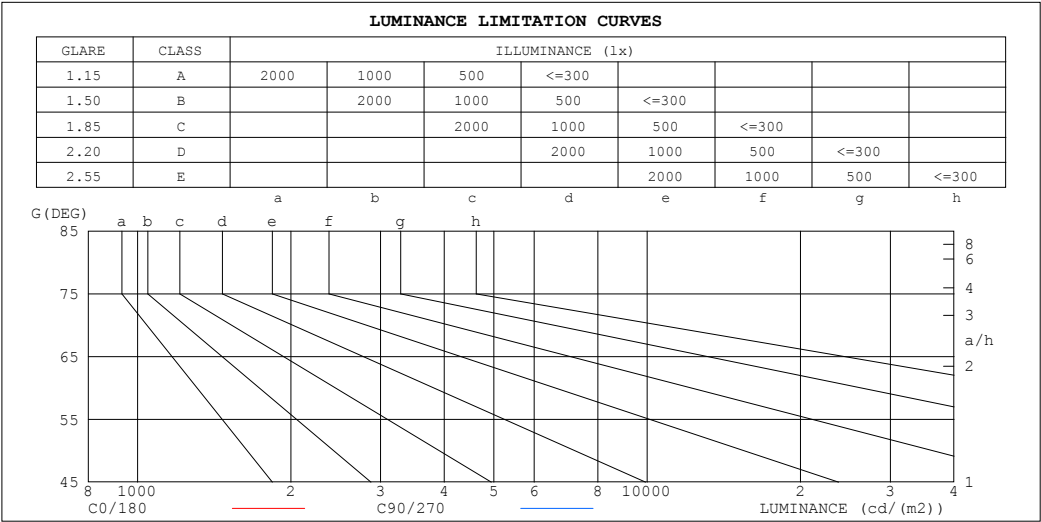
%lamp = 48.9%

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3℃
 Operators:
 Test Date:2025-02-10

V(B) Range:-90 - 90DEG
 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: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	56	77
80	37	49
75	36	38
70	40	32
65	47	31
60	59	29
55	77	29
50	97	31
45	121	39

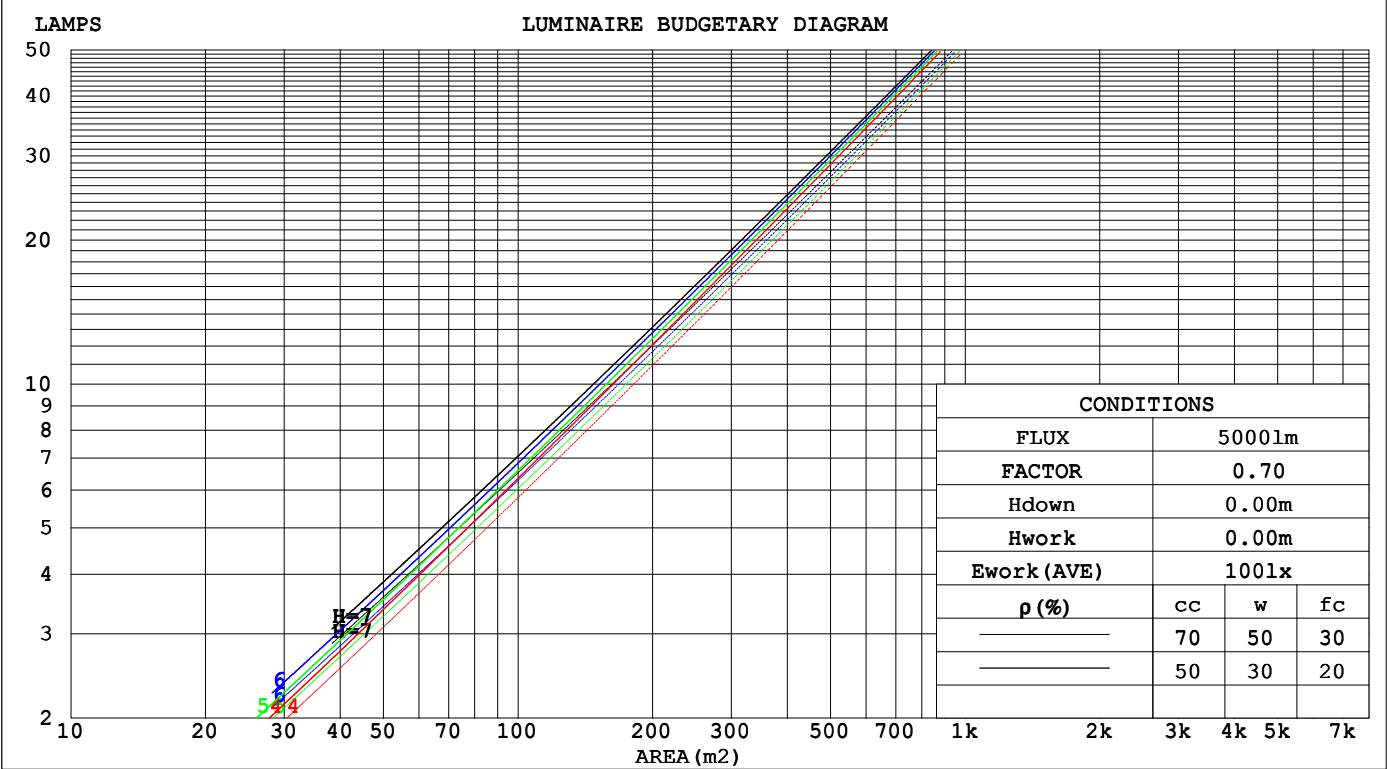
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: BL7025-C4-3-15-80-B-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	.59	.59	.59	.57	.57	.57	.55	.55	.55	.52	.52	.52	.50	.50	.50	.49
1.0	.56	.55	.54	.54	.54	.53	.53	.52	.51	.51	.50	.50	.49	.49	.48	.47
2.0	.53	.51	.50	.52	.51	.49	.50	.49	.48	.49	.48	.47	.48	.47	.46	.46
3.0	.51	.49	.47	.50	.48	.47	.49	.47	.46	.48	.46	.45	.46	.46	.45	.44
4.0	.48	.46	.45	.48	.46	.45	.47	.45	.44	.46	.45	.44	.45	.44	.43	.43
5.0	.47	.45	.43	.46	.44	.43	.45	.44	.43	.45	.43	.42	.44	.43	.42	.41
6.0	.45	.43	.41	.45	.43	.41	.44	.42	.41	.43	.42	.41	.43	.42	.41	.40
7.0	.44	.41	.40	.43	.41	.40	.43	.41	.40	.42	.41	.40	.42	.40	.39	.39
8.0	.42	.40	.39	.42	.40	.39	.42	.40	.38	.41	.40	.38	.41	.39	.38	.38
9.0	.41	.39	.38	.41	.39	.37	.40	.39	.37	.40	.38	.37	.40	.38	.37	.37
10.0	.40	.38	.36	.40	.38	.36	.39	.38	.36	.39	.37	.36	.39	.37	.36	.36



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: BL7025-C4-3-15-80-B-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	.070	.040	.013	.067	.038	.012	.061	.035	.011	.055	.032	.010	.050	.029	.009	
2.0	.065	.035	.011	.062	.034	.010	.057	.032	.010	.052	.029	.009	.048	.027	.009	
3.0	.060	.032	.010	.058	.031	.009	.054	.029	.009	.050	.027	.008	.046	.025	.008	
4.0	.056	.029	.009	.054	.028	.008	.051	.027	.008	.047	.025	.008	.044	.024	.007	
5.0	.053	.027	.008	.051	.026	.008	.048	.025	.007	.045	.024	.007	.043	.023	.007	
6.0	.050	.025	.007	.048	.024	.007	.046	.024	.007	.043	.023	.007	.041	.022	.006	
7.0	.047	.023	.007	.046	.023	.007	.044	.022	.006	.042	.021	.006	.040	.021	.006	
8.0	.045	.022	.006	.044	.022	.006	.042	.021	.006	.040	.020	.006	.038	.020	.006	
9.0	.043	.021	.006	.042	.021	.006	.040	.020	.006	.039	.019	.006	.037	.019	.005	
10.0	.041	.020	.005	.040	.019	.005	.039	.019	.005	.037	.019	.005	.036	.018	.005	

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	.094	.094	.094	.080	.080	.080	.055	.055	.055	.031	.031	.031	.010	.010	.010	
1.0	.083	.078	.073	.071	.067	.063	.049	.046	.043	.028	.027	.025	.009	.009	.008	
2.0	.074	.065	.058	.064	.056	.050	.044	.039	.035	.025	.023	.020	.008	.007	.007	
3.0	.067	.056	.047	.057	.048	.041	.039	.033	.029	.023	.020	.017	.007	.006	.006	
4.0	.061	.048	.039	.052	.042	.034	.036	.029	.024	.021	.017	.014	.007	.006	.005	
5.0	.056	.042	.032	.048	.037	.028	.033	.026	.020	.019	.015	.012	.006	.005	.004	
6.0	.051	.037	.027	.044	.032	.024	.030	.023	.017	.018	.013	.010	.006	.004	.003	
7.0	.048	.033	.023	.041	.029	.020	.028	.020	.014	.016	.012	.009	.005	.004	.003	
8.0	.044	.030	.020	.038	.026	.018	.026	.018	.012	.015	.011	.007	.005	.004	.002	
9.0	.042	.027	.017	.036	.024	.015	.025	.017	.011	.014	.010	.006	.005	.003	.002	
10.0	.039	.025	.015	.034	.022	.013	.023	.015	.010	.014	.009	.006	.004	.003	.002	

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3℃
 Operators:
 Test Date:2025-02-10

V(B) Range:-90 - 90DEG
 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: BL7025-C4-3-15-80-B-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					-3.9	-3.2	-3.7	-3.1	-2.9	-6.5	-5.8	-6.3	-5.7	-5.5
3H					-3.4	-2.8	-3.2	-2.6	-2.4	-5.5	-4.9	-5.2	-4.7	-4.5
4H					-3.1	-2.5	-2.9	-2.3	-2.1	-4.8	-4.2	-4.5	-4.0	-3.8
6H					-2.8	-2.2	-2.5	-2.0	-1.8	-3.9	-3.3	-3.6	-3.1	-2.9
8H					-2.6	-2.0	-2.3	-1.8	-1.5	-3.4	-2.8	-3.1	-2.6	-2.3
12H					-2.3	-1.8	-2.0	-1.5	-1.2	-2.8	-2.3	-2.5	-2.0	-1.8
4H 2H					-3.9	-3.3	-3.6	-3.1	-2.9	-6.2	-5.6	-5.9	-5.4	-5.2
3H					-3.2	-2.7	-2.9	-2.4	-2.2	-4.9	-4.4	-4.6	-4.1	-3.9
4H					-2.8	-2.3	-2.4	-2.0	-1.7	-4.0	-3.5	-3.7	-3.2	-2.9
6H					-2.2	-1.8	-1.9	-1.5	-1.1	-2.9	-2.4	-2.5	-2.1	-1.8
8H					-1.9	-1.5	-1.5	-1.1	-0.8	-2.2	-1.8	-1.8	-1.5	-1.1
12H					-1.4	-1.0	-1.0	-0.6	-0.3	-1.5	-1.2	-1.1	-0.8	-0.4
8H 4H					-2.6	-2.2	-2.2	-1.8	-1.5	-3.6	-3.2	-3.2	-2.9	-2.5
6H					-1.7	-1.4	-1.3	-1.0	-0.6	-2.2	-1.9	-1.8	-1.5	-1.1
8H					-1.2	-0.9	-0.7	-0.5	-0.0	-1.4	-1.1	-1.0	-0.7	-0.3
12H					-0.5	-0.2	0.0	0.2	0.7	-0.5	-0.3	-0.1	0.2	0.6
12H 4H					-2.5	-2.2	-2.1	-1.8	-1.4	-3.6	-3.2	-3.2	-2.8	-2.4
6H					-1.6	-1.3	-1.2	-0.9	-0.5	-2.1	-1.8	-1.6	-1.4	-0.9
8H					-0.9	-0.7	-0.5	-0.2	0.2	-1.2	-0.9	-0.7	-0.5	-0.0
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 1.4 / - 0.7					+ 0.2 / - 0.2				
1.5H					+ 2.2 / - 1.1					+ 0.3 / - 0.1				
2.0H					+ 2.6 / - 0.9					+ 0.1 / - 0.2				

CIE Pub.117, 600.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.8)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

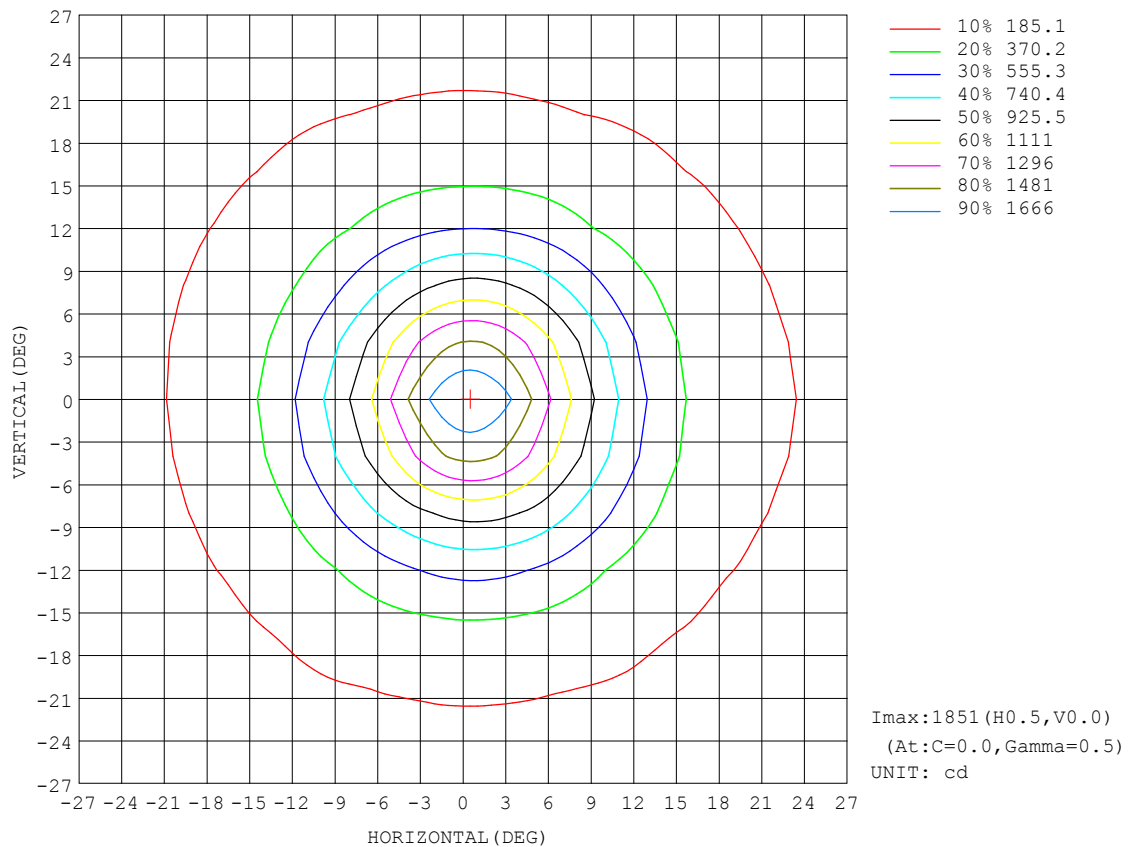
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	42	40	44	42	40	44	41	40	38
0.80	48	45	44	48	45	44	47	45	43	42
1.00	50	47	46	49	47	45	49	47	45	43
1.25	52	49	48	51	49	47	50	48	47	45
1.50	53	51	49	52	50	49	51	50	48	46
2.00	54	52	51	53	51	50	52	51	49	47
2.50	55	53	52	54	52	51	52	51	50	47
3.00	55	54	53	54	53	52	53	52	51	48
4.00	56	55	54	55	54	53	54	53	52	49
5.00	57	56	55	56	55	54	54	53	53	49
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: LOW
 Temperature:25.3°C
 Operators:
 Test Date:2025-02-10

$V(B)$ Range:-90 - 90DEG
 $V(B)$ 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: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

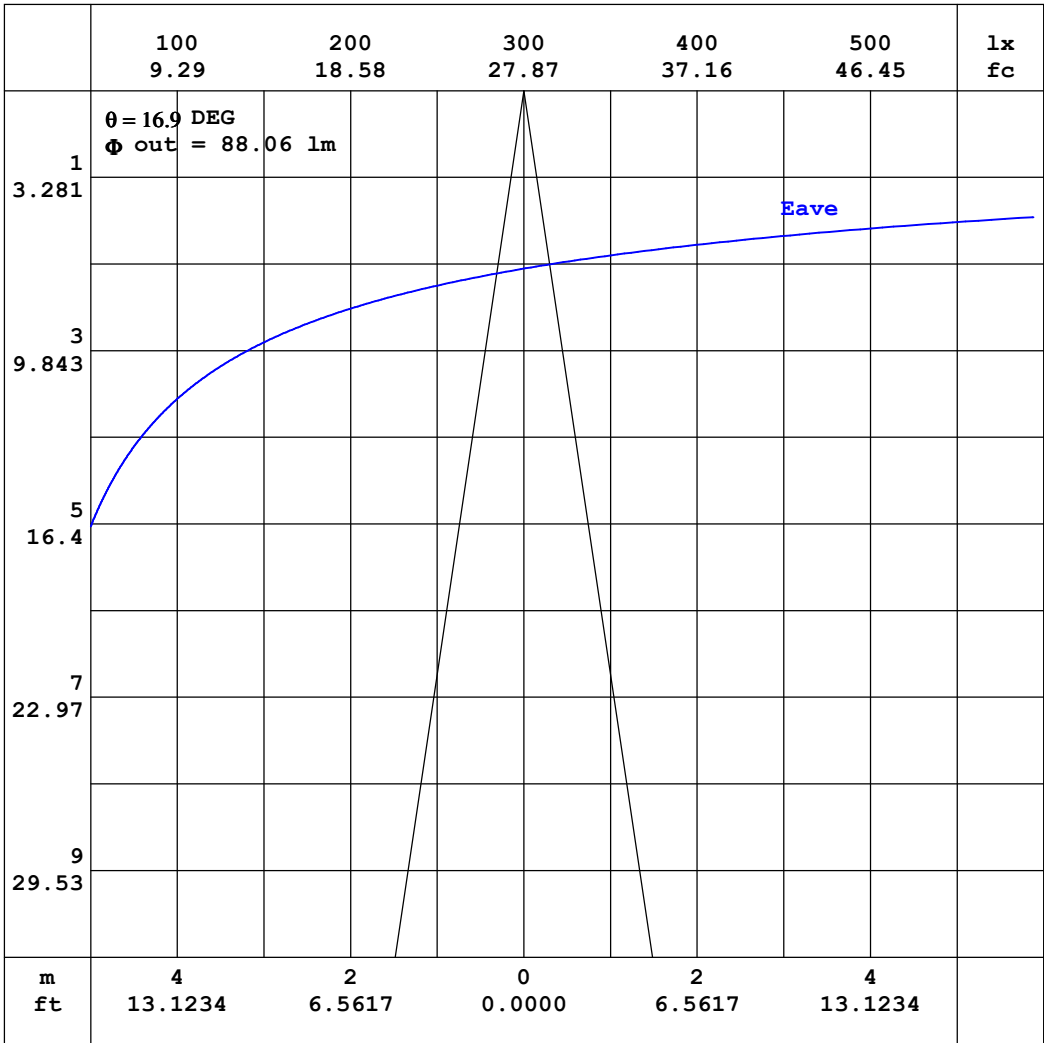


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3°C
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

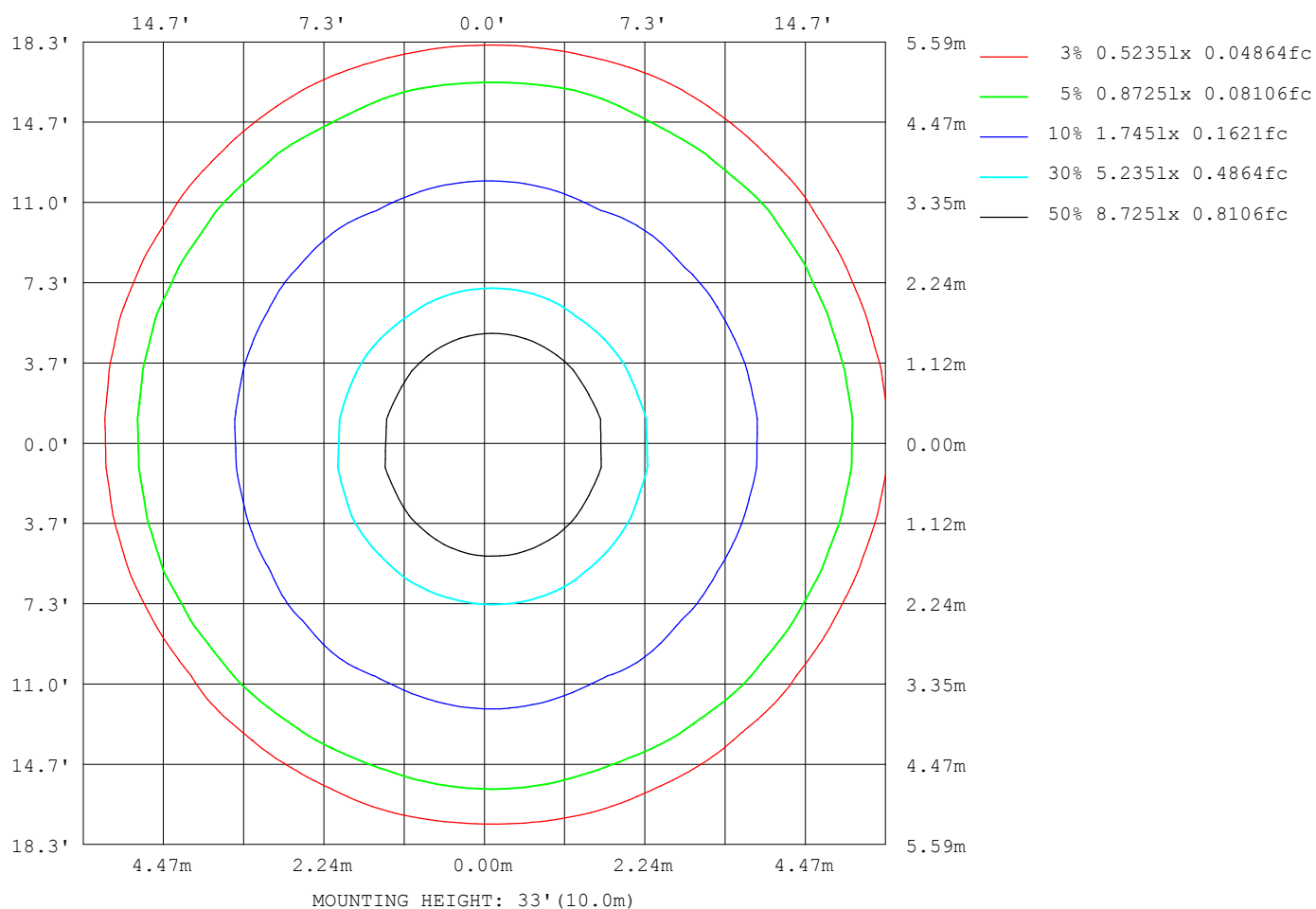


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG	V(B) Range:-90 - 90DEG
H(β) Interval: 0.5DEG	V(B) Interval: 2.0DEG
Test Speed: LOW	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.722m [K=1.0000]
Test Date:2025-02-10	Remarks:

ISOLUX DIAGRAM

NAME: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3°C
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

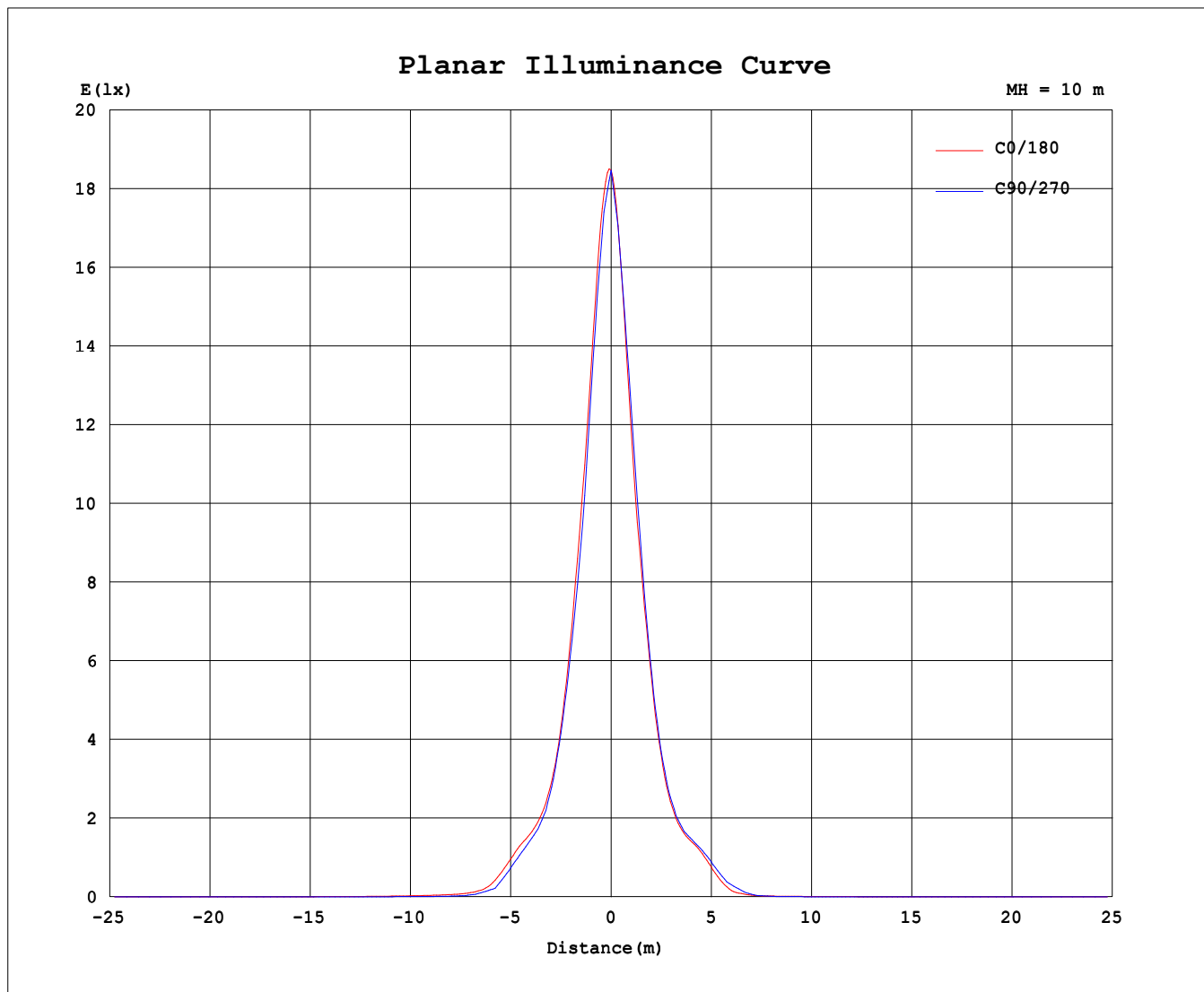
AvgL	cd/m2
L_0~180 (65) av	52
L_0~180 (75) av	55
L_0~180 (85) av	118
L_90~270 (65) av	24
L_90~270 (75) av	27
L_90~270 (85) av	57
L_45 (65) av	24
L_45 (75) av	27
L_45 (85) av	57

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: LOW
Temperature:25.3°C
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7025-C4-3-15-80-B-NS	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: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7025-C4-3-15-80-B-NS	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: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7025-C4-3-15-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BL7025-C4-3-15-80-B-NS	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: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

V(B) Range:-90 - 90DEG
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: