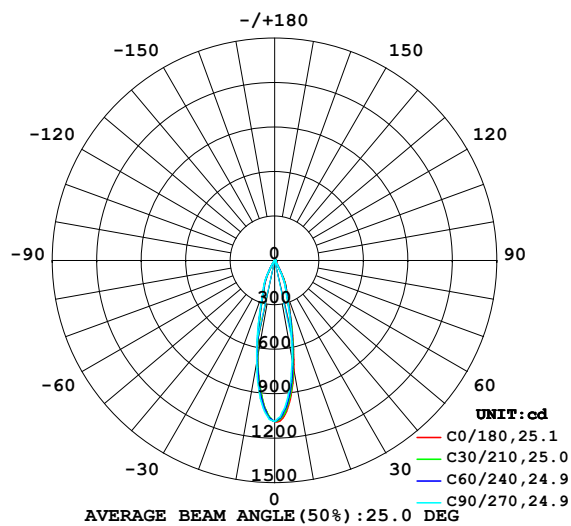


LUMINAIRE PHOTOMETRIC TEST REPORT

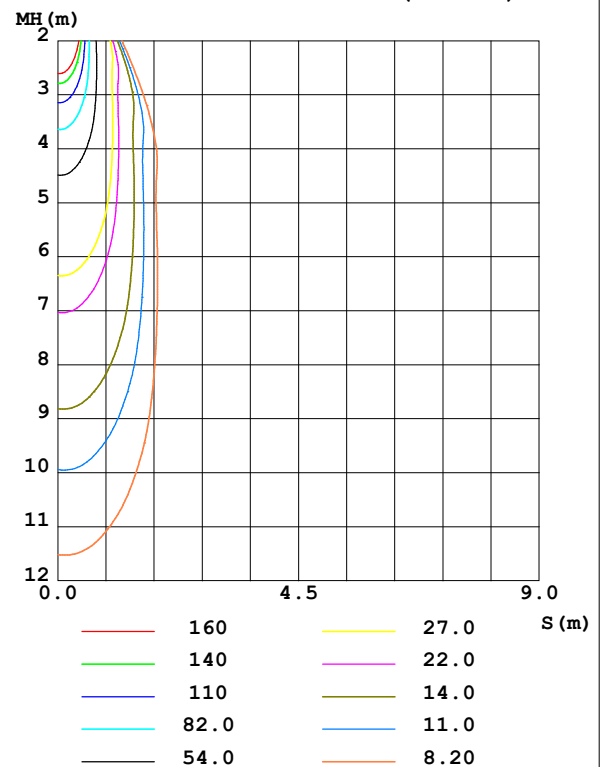
NAME: BL7025-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 68.18 lm/W
MODEL		Imax (cd)	1089	S/MH (C0/180)		0.44
NOMINAL POWER(W)	4	LOR (%)	46.9	S/MH (C90/270)		0.42
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	281.57	η UP,DN (C0-180)		0.0,23.1
NOMINAL FLUX(lm)	600	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,23.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	120.5	η down (%)	46.9	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: 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	747.4	719.2	684.1	657.6	670.6	670.2	700.6	733.5	0- 10	83.46	83.46	29.6,13.9
20	252.0	242.4	230.8	223.0	218.4	229.3	233.2	246.6	10- 20	114.6	198.0	70.3,33
30	67.43	54.92	39.27	43.53	43.88	57.84	64.45	71.13	20- 30	65.94	264.0	93.8,44
40	11.09	4.538	4.277	4.198	5.132	3.750	3.655	4.083	30- 40	10.73	274.7	97.6,45.8
50	5.983	2.246	2.155	2.203	3.163	1.789	1.814	1.694	40- 50	2.694	277.4	98.5,46.2
60	2.877	1.442	1.415	1.398	2.443	0.9956	0.9955	0.9775	50- 60	1.686	279.1	99.1,46.5
70	1.324	1.046	1.061	1.005	2.043	0.5487	0.5697	0.6454	60- 70	1.130	280.2	99.5,46.7
80	0.6423	0.7891	0.7859	0.7595	1.690	0.3486	0.3863	0.4299	70- 80	0.7931	281.0	99.8,46.8
90	0.3930	0.5042	0.5501	0.5368	0.6174	0.3733	0.3602	0.3602	80- 90	0.5639	281.6	100,46.9
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): 276.22 lm

%lum = 98.1%

%lamp = 46.0%

Conical surface Flux(120deg): 279.09 lm

%lum = 99.1%

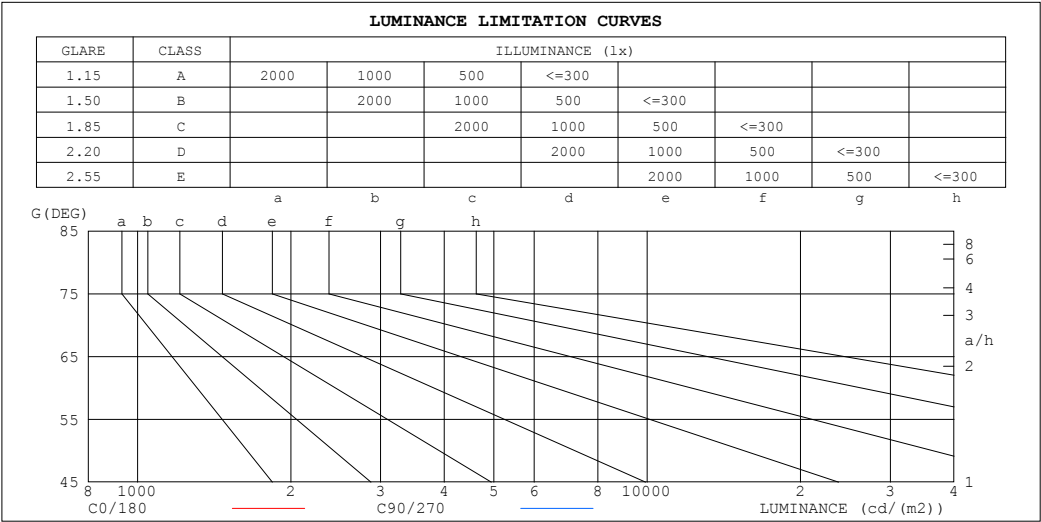
%lamp = 46.5%

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:

LUMINANCE LIMITATION CURVES

NAME: BL7025-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	56	74
80	37	45
75	35	35
70	39	31
65	46	29
60	58	28
55	74	30
50	93	34
45	115	43

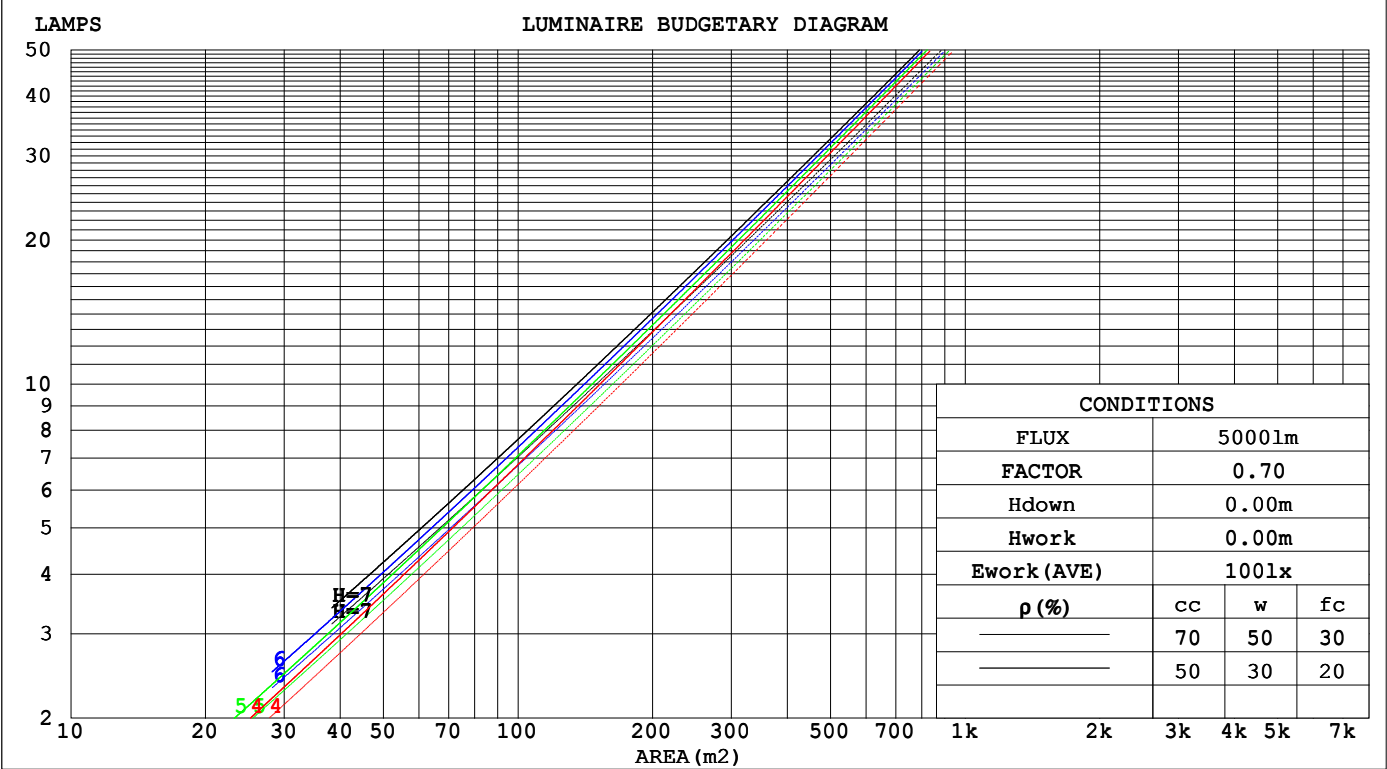
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3℃
Operators:
Test Date:2025-02-10

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-C4-3-25-80-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	.56	.56	.56	.55	.55	.55	.52	.52	.52	.50	.50	.50	.48	.48	.48	.47
1.0	.53	.52	.51	.52	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45
2.0	.50	.48	.47	.49	.48	.47	.48	.47	.46	.46	.46	.45	.45	.44	.44	.43
3.0	.48	.46	.44	.47	.45	.44	.46	.44	.43	.45	.44	.43	.44	.43	.42	.41
4.0	.46	.44	.42	.45	.43	.42	.44	.43	.41	.43	.42	.41	.42	.41	.40	.40
5.0	.44	.42	.40	.43	.41	.40	.43	.41	.40	.42	.40	.39	.41	.40	.39	.38
6.0	.42	.40	.38	.42	.40	.38	.41	.39	.38	.40	.39	.38	.40	.39	.38	.37
7.0	.40	.38	.37	.40	.38	.37	.40	.38	.37	.39	.38	.36	.39	.37	.36	.36
8.0	.39	.37	.35	.39	.37	.35	.38	.37	.35	.38	.36	.35	.38	.36	.35	.35
9.0	.38	.36	.34	.38	.36	.34	.37	.35	.34	.37	.35	.34	.36	.35	.34	.33
10.0	.37	.34	.33	.36	.34	.33	.36	.34	.33	.36	.34	.33	.35	.34	.33	.32



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-C4-3-25-80-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	.069	.039	.013	.066	.038	.012	.060	.035	.011	.055	.032	.010	.050	.029	.009		
2.0	.064	.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	.047	.026	.008		
4.0	.056	.029	.009	.055	.029	.008	.051	.027	.008	.048	.026	.008	.045	.024	.007		
5.0	.053	.027	.008	.052	.026	.008	.049	.025	.007	.046	.024	.007	.043	.023	.007		
6.0	.050	.025	.007	.049	.025	.007	.046	.024	.007	.044	.023	.007	.042	.022	.007		
7.0	.048	.024	.007	.047	.023	.007	.045	.023	.006	.042	.022	.006	.040	.021	.006		
8.0	.046	.022	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.039	.020	.006		
9.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.038	.019	.006		
10.0	.042	.020	.006	.041	.020	.006	.040	.019	.005	.038	.019	.005	.037	.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	.089	.089	.089	.076	.076	.076	.052	.052	.052	.030	.030	.030	.010	.010	.010	
1.0	.079	.074	.069	.068	.063	.059	.046	.044	.041	.027	.025	.024	.009	.008	.008	
2.0	.071	.062	.055	.061	.054	.047	.042	.037	.033	.024	.022	.019	.008	.007	.006	
3.0	.064	.053	.044	.055	.046	.038	.038	.032	.027	.022	.019	.016	.007	.006	.005	
4.0	.059	.046	.036	.050	.040	.032	.035	.028	.022	.020	.016	.013	.006	.005	.004	
5.0	.054	.040	.030	.046	.035	.026	.032	.024	.019	.018	.014	.011	.006	.005	.004	
6.0	.050	.036	.026	.043	.031	.022	.030	.022	.016	.017	.013	.009	.006	.004	.003	
7.0	.046	.032	.022	.040	.028	.019	.028	.019	.013	.016	.011	.008	.005	.004	.003	
8.0	.043	.029	.019	.037	.025	.016	.026	.018	.012	.015	.010	.007	.005	.003	.002	
9.0	.041	.026	.016	.035	.023	.014	.024	.016	.010	.014	.009	.006	.005	.003	.002	
10.0	.039	.024	.014	.033	.021	.012	.023	.015	.009	.013	.009	.005	.004	.003	.002	

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

UGR(Unified Glare Rating) Table

NAME: BL7025-C4-3-25-80-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					-3.4	-2.7	-3.2	-2.6	-2.4	-5.6	-4.9	-5.4	-4.7	-4.6
3H					-3.0	-2.3	-2.8	-2.1	-2.0	-4.9	-4.2	-4.7	-4.0	-3.9
4H					-2.8	-2.1	-2.5	-1.9	-1.7	-4.3	-3.7	-4.1	-3.5	-3.3
6H					-2.5	-1.9	-2.2	-1.6	-1.4	-3.6	-3.0	-3.4	-2.8	-2.6
8H					-2.3	-1.7	-2.0	-1.4	-1.2	-3.2	-2.6	-2.9	-2.4	-2.1
12H					-2.0	-1.5	-1.7	-1.2	-0.9	-2.7	-2.1	-2.4	-1.9	-1.6
4H 2H					-3.4	-2.8	-3.2	-2.6	-2.4	-5.5	-4.8	-5.2	-4.6	-4.4
3H					-2.9	-2.3	-2.6	-2.1	-1.8	-4.5	-3.9	-4.2	-3.7	-3.4
4H					-2.5	-2.0	-2.1	-1.7	-1.4	-3.7	-3.2	-3.4	-2.9	-2.6
6H					-2.0	-1.5	-1.6	-1.2	-0.9	-2.8	-2.3	-2.4	-2.0	-1.6
8H					-1.6	-1.2	-1.2	-0.9	-0.5	-2.2	-1.8	-1.8	-1.4	-1.1
12H					-1.2	-0.8	-0.8	-0.4	-0.1	-1.5	-1.1	-1.1	-0.8	-0.4
8H 4H					-2.3	-1.9	-1.9	-1.5	-1.2	-3.4	-3.0	-3.0	-2.6	-2.3
6H					-1.6	-1.2	-1.1	-0.8	-0.4	-2.2	-1.8	-1.8	-1.5	-1.0
8H					-1.0	-0.7	-0.6	-0.3	0.1	-1.5	-1.1	-1.0	-0.7	-0.3
12H					-0.4	-0.1	0.1	0.3	0.8	-0.6	-0.3	-0.1	0.1	0.6
12H 4H					-2.3	-1.9	-1.9	-1.5	-1.1	-3.4	-3.0	-2.9	-2.6	-2.2
6H					-1.4	-1.1	-1.0	-0.7	-0.3	-2.0	-1.7	-1.6	-1.3	-0.9
8H					-0.8	-0.6	-0.4	-0.1	0.4	-1.2	-0.9	-0.7	-0.5	-0.0
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 1.2 / - 0.7					+ 0.3 / - 0.3				
1.5H					+ 2.0 / - 1.1					+ 0.5 / - 0.2				
2.0H					+ 2.4 / - 1.0					+ 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-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

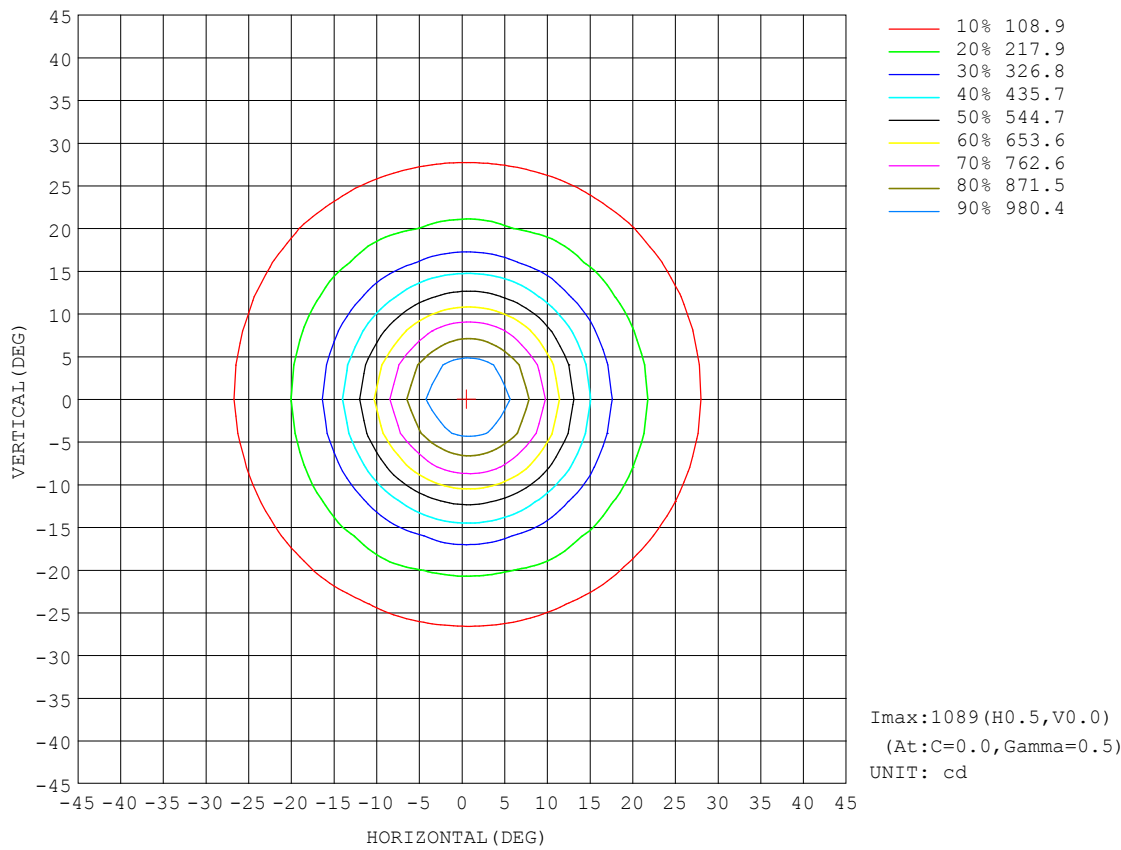
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	42	40	38	42	39	38	42	39	38	36
0.80	46	43	41	45	43	41	45	43	41	40
1.00	47	45	43	47	45	43	46	45	43	41
1.25	49	47	45	49	47	45	48	46	45	43
1.50	50	48	47	50	48	47	49	47	46	44
2.00	51	49	48	51	49	48	49	48	47	45
2.50	52	50	49	51	50	49	50	49	48	45
3.00	53	51	50	52	51	49	50	49	48	46
4.00	54	52	51	53	52	51	51	50	50	46
5.00	54	53	52	53	52	52	51	51	50	47
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

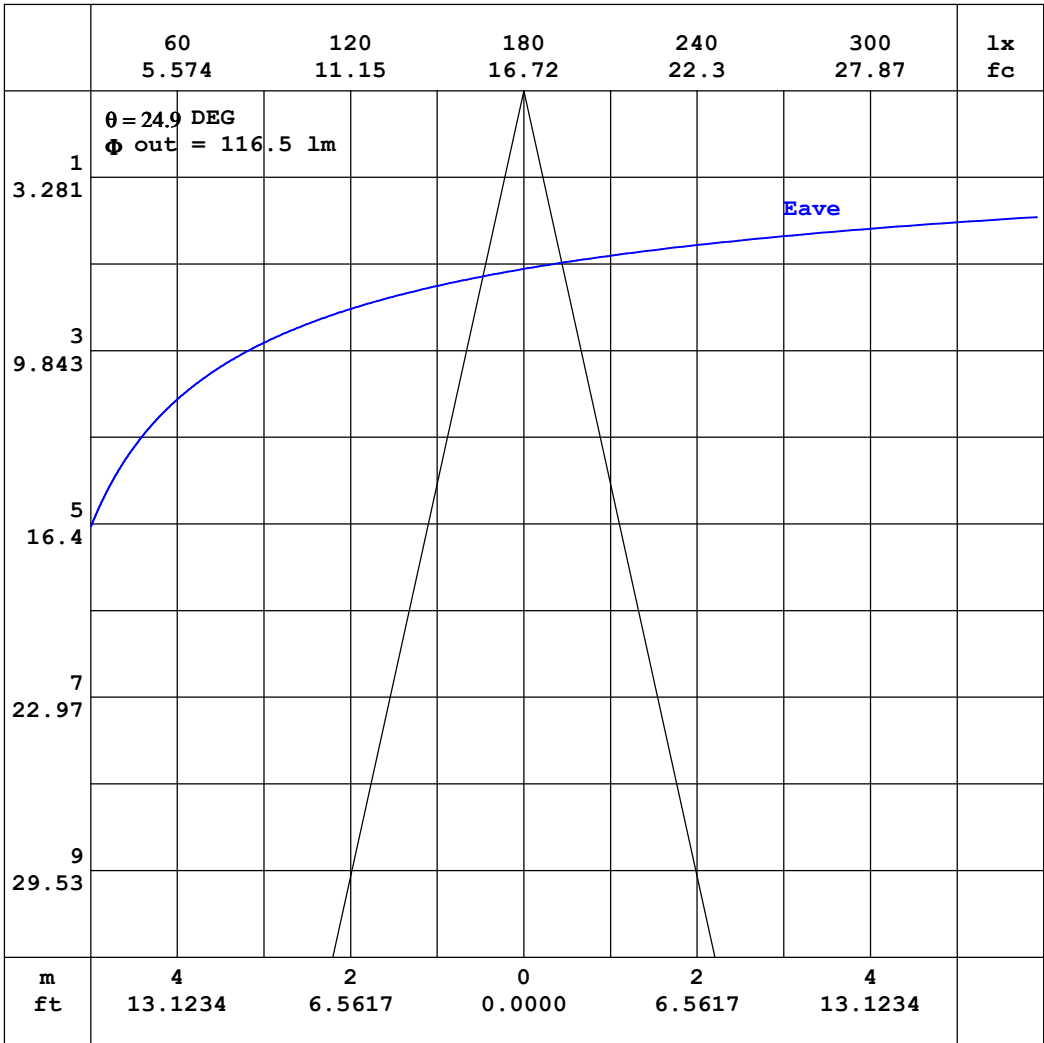
NAME: BL7025-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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:

AAI CURVES

NAME: BL7025-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



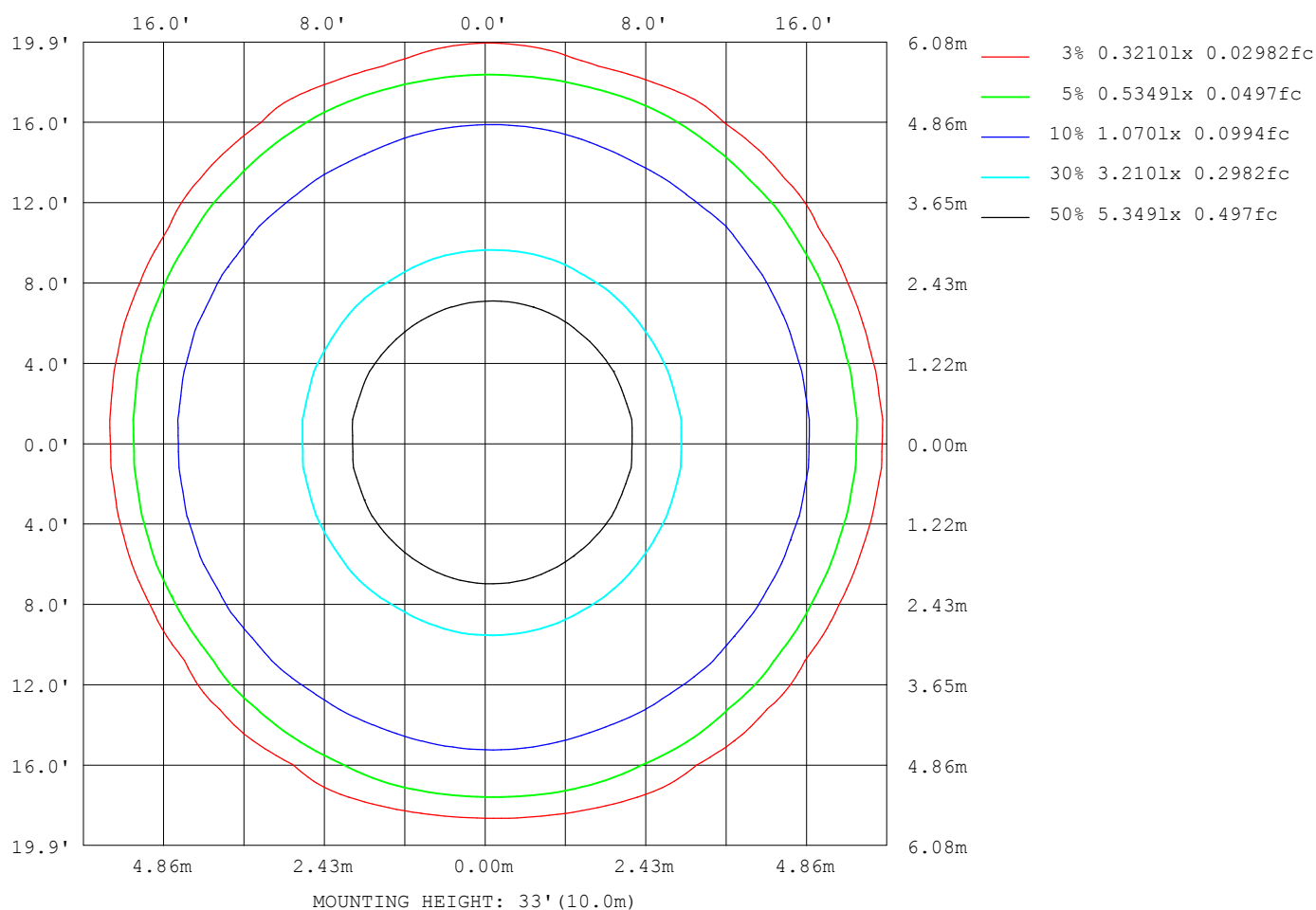
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

ISOLUX DIAGRAM

NAME: BL7025-C4-3-25-80-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-C4-3-25-80-B-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

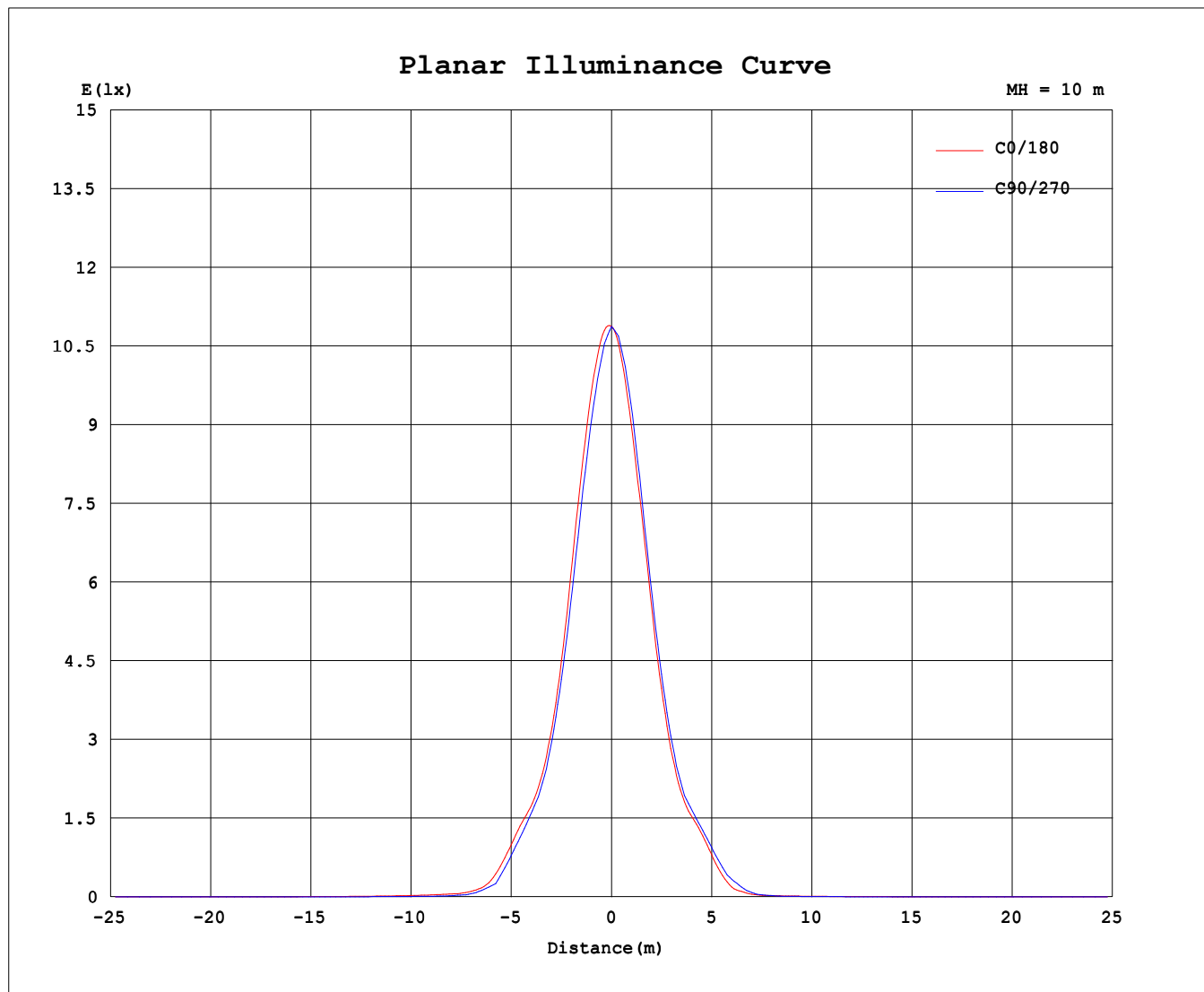
AvgL	cd/m2
L_0~180 (65) av	49
L_0~180 (75) av	53
L_0~180 (85) av	115
L_90~270 (65) av	23
L_90~270 (75) av	26
L_90~270 (85) av	56
L_45 (65) av	23
L_45 (75) av	26
L_45 (85) av	55

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-C4-3-25-80-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-C4-3-25-80-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-C4-3-25-80-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-C4-3-25-80-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: