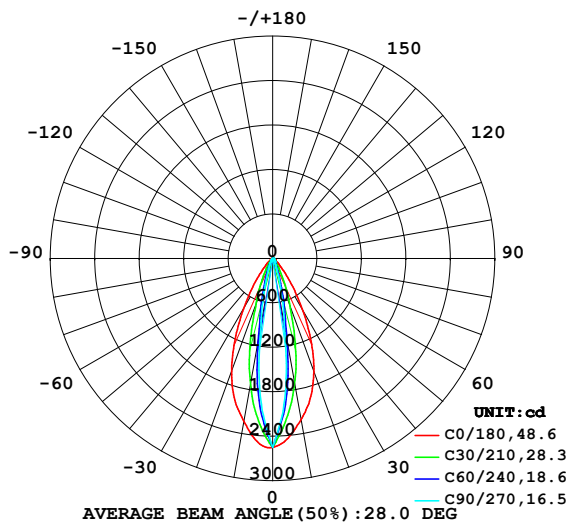


LUMINAIRE PHOTOMETRIC TEST REPORT

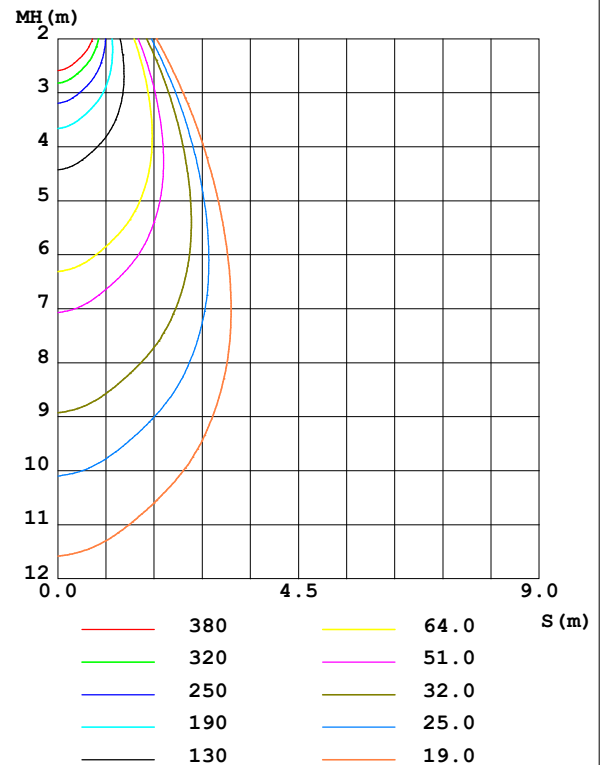
NAME: BL7066-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.48 lm/W
MODEL		Imax (cd)	2554	S/MH (C0/180)		0.76
NOMINAL POWER(W)	10	LOR (%)	76.1	S/MH (C90/270)		0.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	761.02	η UP,DN (C0-180)		0.0,38.5
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,37.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	120.0	η down (%)	76.1	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	2210	1407	916.4	1387	2235	1419	915.2	1347	0- 10	179.6	179.6	23.6,18
20	1631	401.0	195.6	369.7	1625	392.5	191.1	360.7	10- 20	262.2	441.8	58.1,44.2
30	824.3	116.2	64.68	107.1	790.1	111.6	61.16	103.3	20- 30	175.3	617.0	81.1,61.7
40	270.1	41.41	30.63	39.37	254.6	38.26	28.79	36.77	30- 40	84.84	701.9	92.2,70.2
50	84.76	16.52	15.47	16.24	71.79	14.81	14.17	14.61	40- 50	34.44	736.3	96.8,73.6
60	31.56	8.635	6.530	8.160	27.64	7.477	5.174	7.015	50- 60	14.90	751.2	98.7,75.1
70	11.31	3.529	3.399	3.616	10.15	2.242	1.971	2.458	60- 70	6.530	757.8	99.6,75.8
80	2.447	1.678	1.794	1.790	3.990	0.5647	0.5175	0.6893	70- 80	2.416	760.2	99.9,76
90	1.179	0	0	0	1.382	0	0	0	80- 90	0.8397	761.0	100,76.1
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): 722.74 lm

%lum = 95.0%

%lamp = 72.3%

Conical surface Flux(120deg): 751.23 lm

%lum = 98.7%

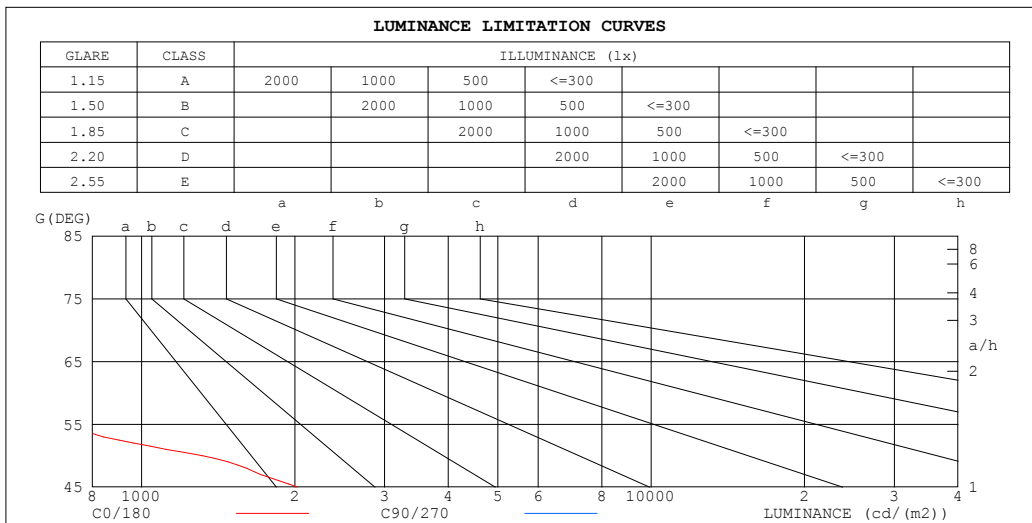
%lamp = 75.1%

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-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	187	78
80	141	103
75	209	96
70	331	99
65	469	110
60	631	131
55	706	178
50	1319	241
45	2024	317

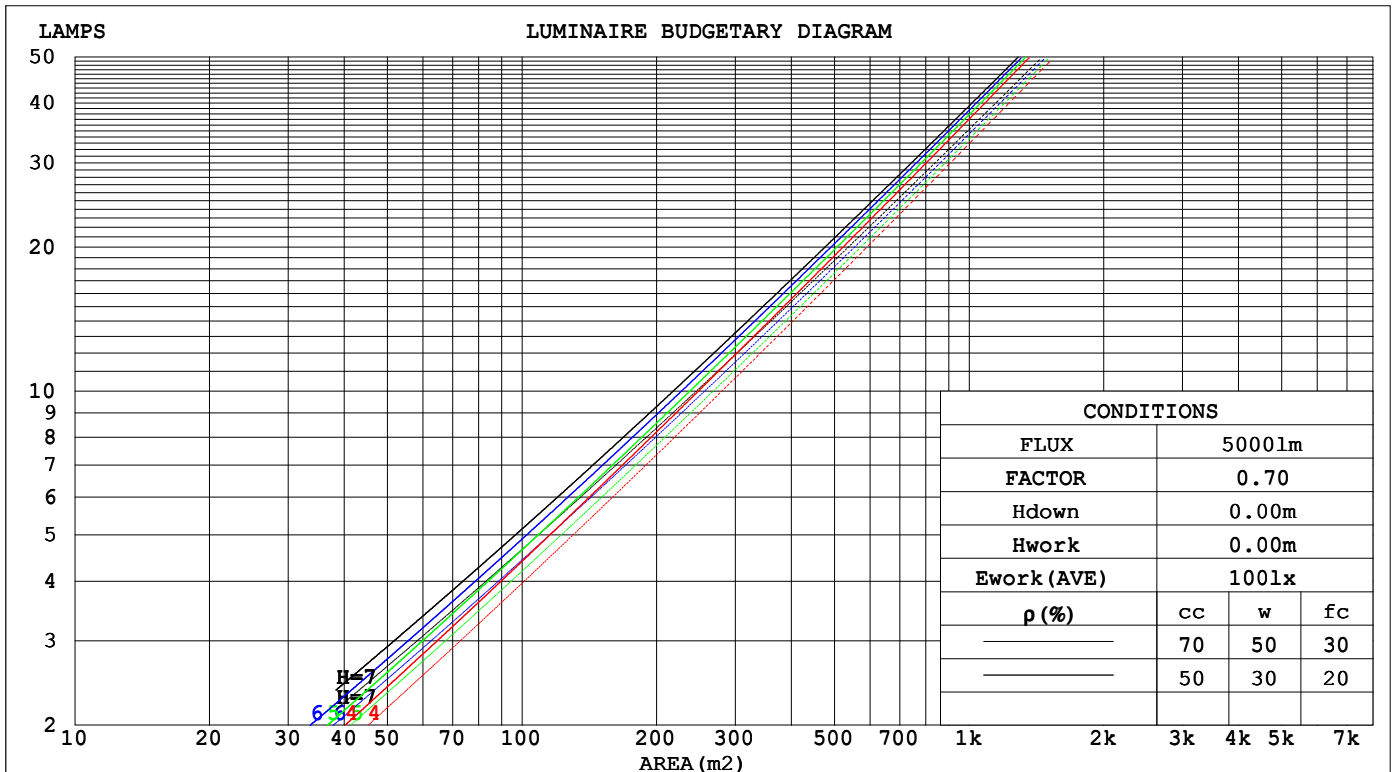
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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-C10-3-2050-80-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	.91	.91	.91	.88	.88	.88	.85	.85	.85	.81	.81	.81	.78	.78	.78	.76
1.0	.85	.83	.82	.83	.82	.80	.80	.79	.78	.77	.76	.75	.75	.74	.73	.72
2.0	.80	.77	.75	.78	.76	.74	.76	.74	.72	.74	.72	.71	.72	.70	.69	.68
3.0	.75	.72	.69	.74	.71	.69	.72	.70	.67	.70	.68	.66	.69	.67	.65	.64
4.0	.71	.67	.65	.70	.67	.64	.69	.66	.63	.67	.65	.63	.66	.64	.62	.61
5.0	.68	.64	.61	.67	.63	.60	.66	.62	.60	.64	.62	.59	.63	.61	.59	.58
6.0	.64	.60	.57	.64	.60	.57	.63	.59	.57	.62	.59	.57	.61	.58	.56	.55
7.0	.61	.57	.55	.61	.57	.54	.60	.57	.54	.59	.56	.54	.58	.56	.54	.53
8.0	.59	.55	.52	.58	.55	.52	.58	.54	.52	.57	.54	.52	.56	.53	.51	.50
9.0	.56	.52	.50	.56	.52	.50	.55	.52	.50	.55	.52	.49	.54	.51	.49	.48
10.0	.54	.50	.48	.54	.50	.48	.53	.50	.48	.53	.50	.47	.52	.49	.47	.46



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-C10-3-2050-80-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	.124	.071	.022	.119	.068	.022	.110	.063	.020	.101	.058	.019	.093	.054	.017															
2.0	.118	.064	.020	.113	.062	.019	.105	.059	.018	.098	.055	.017	.091	.052	.016															
3.0	.111	.059	.018	.107	.057	.017	.101	.054	.017	.094	.052	.016	.089	.049	.015															
4.0	.105	.054	.016	.102	.053	.016	.096	.051	.015	.091	.049	.015	.086	.046	.014															
5.0	.099	.050	.015	.096	.050	.014	.091	.048	.014	.087	.046	.014	.083	.044	.013															
6.0	.094	.047	.013	.092	.046	.013	.087	.045	.013	.083	.043	.013	.080	.042	.012															
7.0	.089	.044	.013	.087	.044	.012	.084	.042	.012	.080	.041	.012	.077	.040	.012															
8.0	.085	.042	.012	.083	.041	.012	.080	.040	.011	.077	.039	.011	.074	.038	.011															
9.0	.081	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.011	.071	.036	.010															
10.0	.078	.037	.010	.077	.037	.010	.074	.036	.010	.071	.035	.010	.069	.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	.145	.145	.145	.124	.124	.124	.085	.085	.085	.049	.049	.049	.016	.016	.016	
1.0	.130	.120	.111	.111	.103	.096	.076	.071	.066	.044	.041	.038	.014	.013	.012	
2.0	.117	.101	.087	.100	.087	.075	.069	.060	.053	.040	.035	.031	.013	.011	.010	
3.0	.107	.086	.070	.092	.074	.061	.063	.052	.043	.036	.030	.025	.012	.010	.008	
4.0	.098	.075	.057	.084	.065	.050	.058	.045	.035	.034	.026	.021	.011	.009	.007	
5.0	.091	.066	.047	.078	.057	.041	.054	.040	.029	.031	.023	.017	.010	.008	.006	
6.0	.085	.059	.040	.073	.051	.035	.050	.036	.024	.029	.021	.015	.009	.007	.005	
7.0	.080	.053	.034	.069	.046	.029	.047	.032	.021	.028	.019	.012	.009	.006	.004	
8.0	.075	.048	.029	.065	.041	.025	.045	.029	.018	.026	.017	.011	.008	.006	.004	
9.0	.071	.044	.025	.061	.038	.022	.042	.027	.016	.025	.016	.009	.008	.005	.003	
10.0	.067	.040	.022	.058	.035	.019	.040	.025	.014	.023	.015	.008	.008	.005	.003	

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-C10-3-2050-80-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					10.1	10.9	10.3	11.1	11.3	-0.2	0.7	0.1	0.8	1.0
3H					10.1	10.9	10.4	11.1	11.3	0.2	1.0	0.4	1.2	1.3
4H					10.1	10.8	10.3	11.0	11.2	0.4	1.1	0.6	1.3	1.5
6H					10.0	10.7	10.3	10.9	11.2	0.6	1.2	0.8	1.5	1.7
8H					10.0	10.6	10.3	10.9	11.1	0.7	1.3	1.0	1.6	1.8
12H					9.9	10.6	10.3	10.8	11.1	0.8	1.4	1.1	1.7	1.9
4H 2H					9.9	10.6	10.2	10.8	11.0	0.1	0.8	0.4	1.1	1.3
3H					9.9	10.5	10.2	10.8	11.1	0.6	1.2	0.9	1.5	1.7
4H					9.8	10.4	10.2	10.7	11.0	0.8	1.4	1.2	1.7	2.0
6H					9.8	10.3	10.2	10.6	11.0	1.1	1.6	1.5	1.9	2.3
8H					9.8	10.2	10.1	10.6	10.9	1.3	1.7	1.7	2.1	2.5
12H					9.7	10.2	10.1	10.5	10.9	1.4	1.8	1.8	2.2	2.6
8H 4H					9.7	10.2	10.1	10.5	10.9	0.9	1.3	1.2	1.7	2.0
6H					9.7	10.0	10.1	10.4	10.8	1.3	1.6	1.7	2.0	2.5
8H					9.6	10.0	10.1	10.4	10.8	1.5	1.9	2.0	2.3	2.7
12H					9.6	9.9	10.1	10.4	10.8	1.8	2.1	2.2	2.5	3.0
12H 4H					9.7	10.1	10.1	10.5	10.9	0.8	1.3	1.2	1.6	2.0
6H					9.6	9.9	10.0	10.4	10.8	1.3	1.6	1.7	2.0	2.5
8H					9.6	9.9	10.0	10.3	10.8	1.6	1.9	2.1	2.3	2.8
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 5.4 / - 5.9					+ 0.9 / - 1.3				
1.5H					+ 7.2 / - 7.4					+ 0.9 / - 0.9				
2.0H					+ 7.2 / - 6.0					+ 1.6 / - 1.4				

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-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

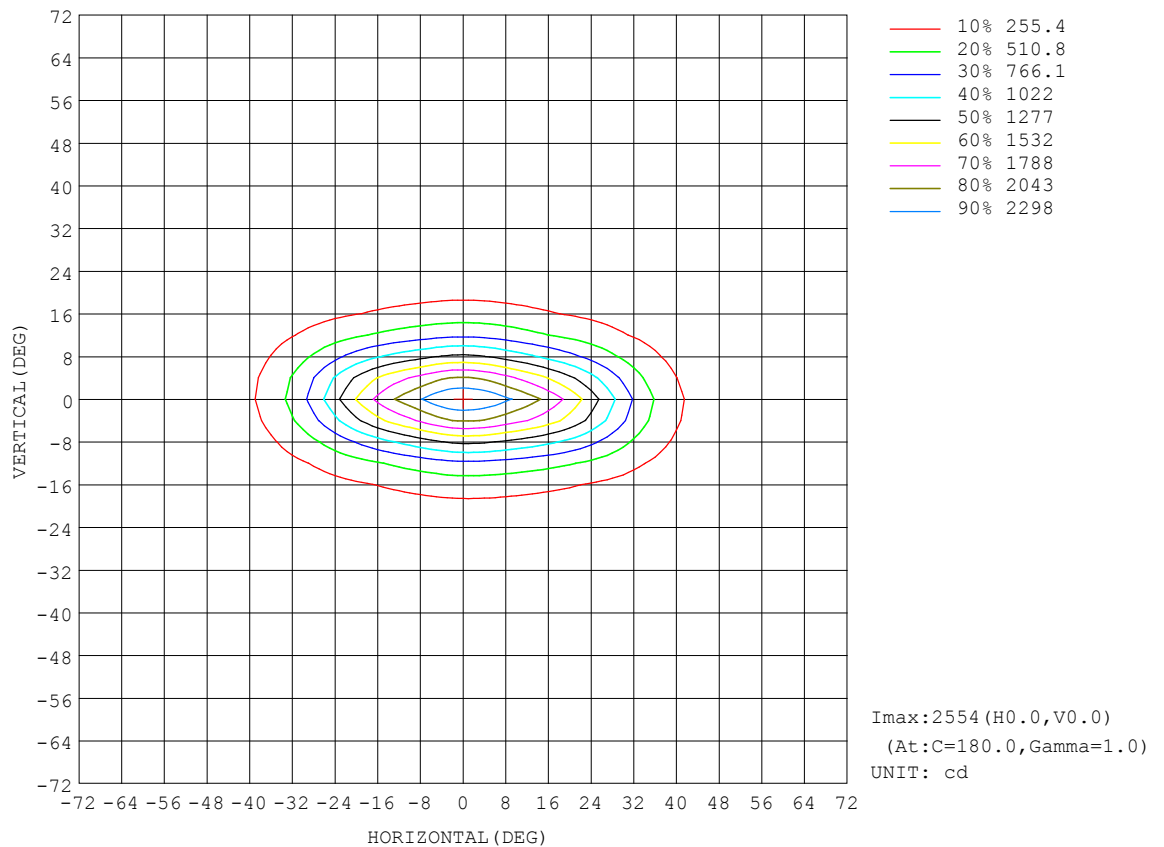
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	61	58	66	61	58	65	61	58	55
0.80	72	67	64	71	67	64	70	66	64	61
1.00	75	71	68	74	70	68	73	70	67	64
1.25	78	74	72	77	74	71	76	73	71	67
1.50	80	77	74	79	76	74	78	75	73	69
2.00	82	79	77	81	78	76	79	77	75	71
2.50	84	81	78	83	80	78	80	78	76	72
3.00	85	82	80	84	81	79	81	79	78	73
4.00	86	84	83	85	83	82	82	81	80	74
5.00	87	86	84	86	84	83	83	82	81	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

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:

ISOCANDELA DIAGRAM

NAME: BL7066-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

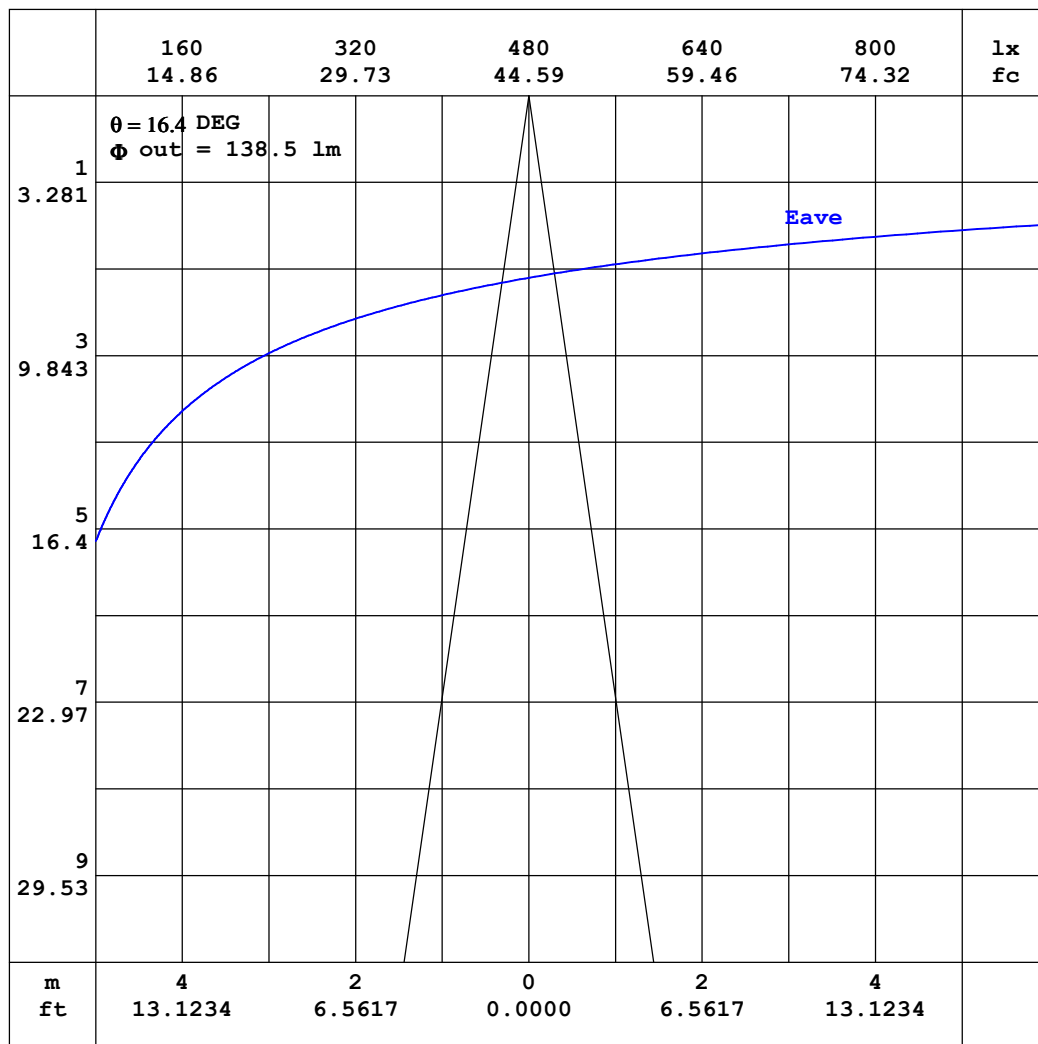


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:ZT
Test Date:2024-01-25

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-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



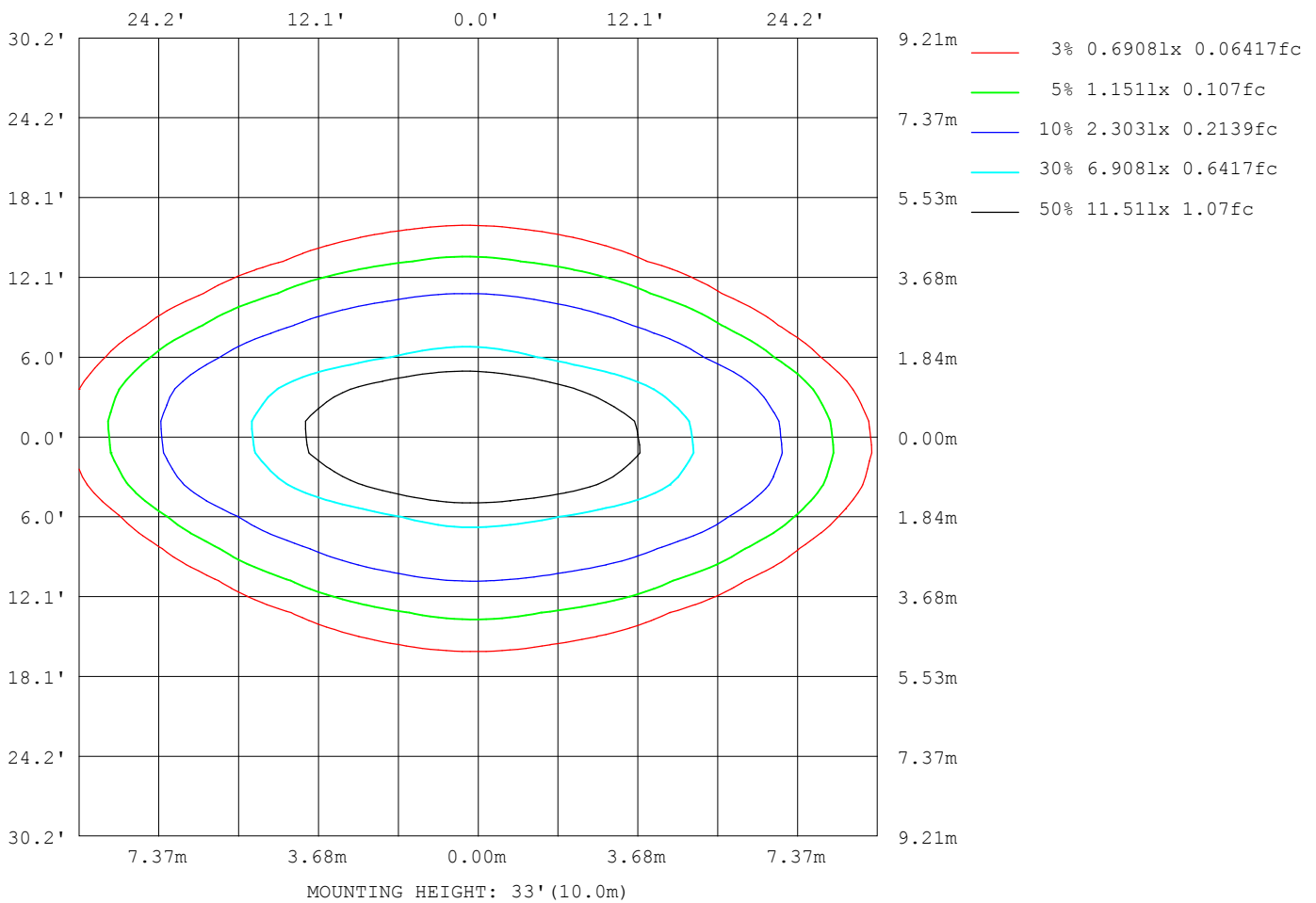
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-C10-3-2050-80-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-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

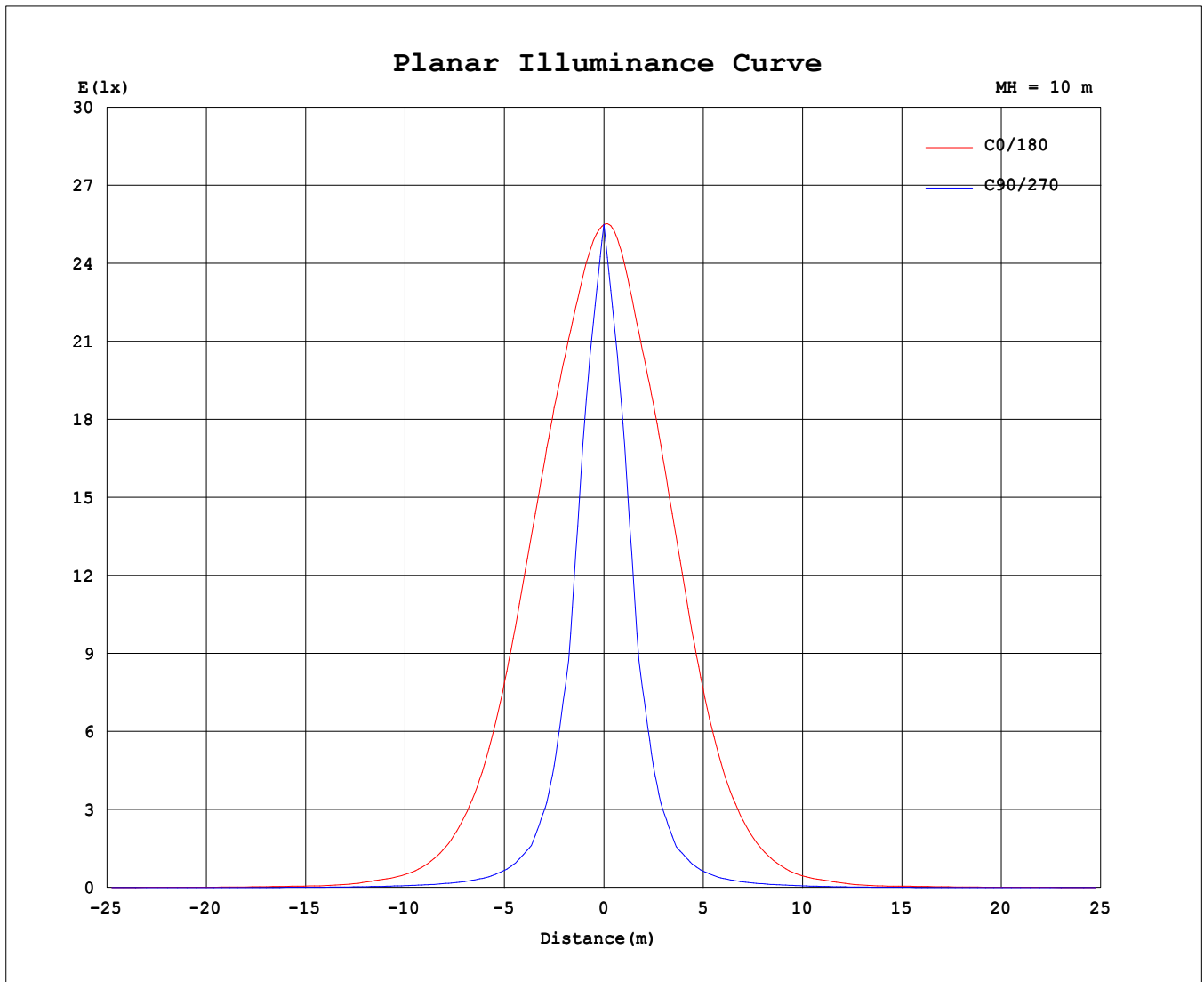
AvgL	cd/m2
L_0~180 (65) av	445
L_0~180 (75) av	226
L_0~180 (85) av	302
L_90~270 (65) av	94
L_90~270 (75) av	68
L_90~270 (85) av	53
L_45 (65) av	120
L_45 (75) av	69
L_45 (85) av	102

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:
```

NAME: BL7066-C10-3-2050-80-NS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```
V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
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Humidity:65.0%
Test Distance:10.722m [K=1.0000]
Remarks:
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