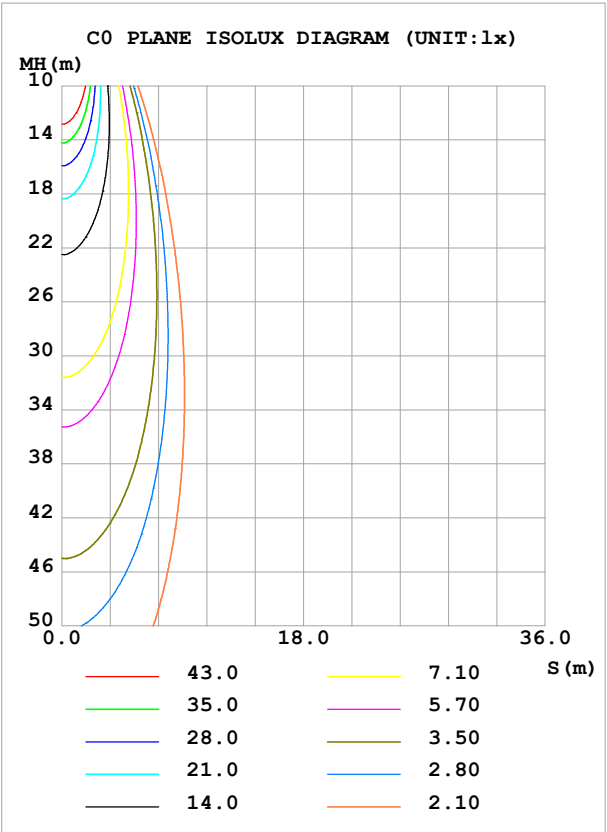
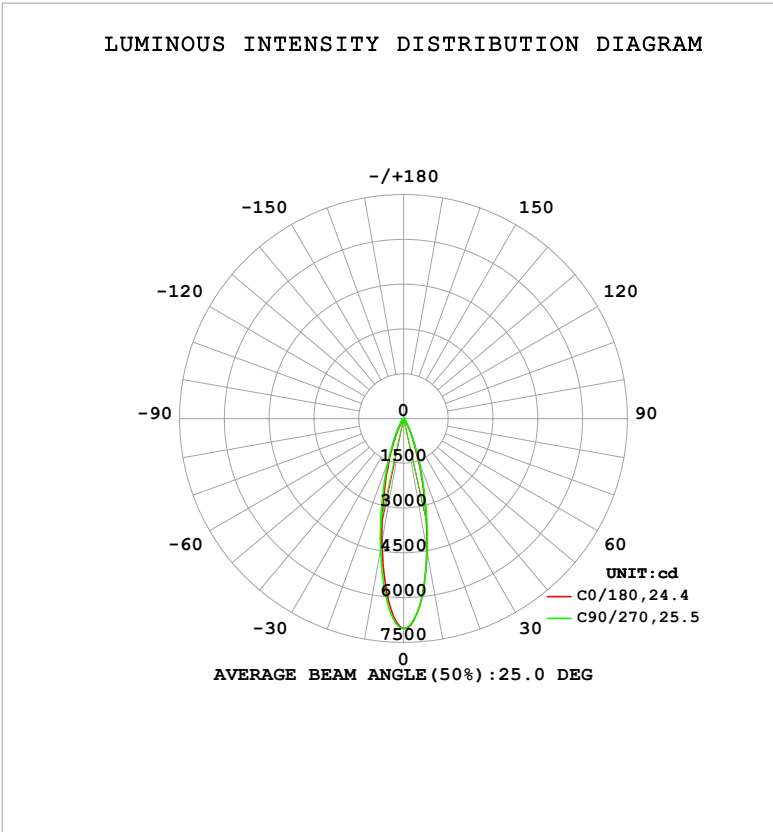


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 49.55 lm/W
MODEL		Imax (cd)	7049	S/MH (C0/180)		0.40
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)		0.43
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1767.9	η UP,DN (C0-180)		0.0,50.0
NOMINAL FLUX (lm)	1767.89	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX		1.00



C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Temperature:25.3℃	Humidity:65.0%
Operators:Cloud	Test Distance:6.360m [K=1.0000]
Test Date:2024-11-08	Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4502	4675	4555	4279	4206	4211	4473	4733	0- 10	534.8	534.8	30.3,30.3
20	1403	1535	1512	1351	1319	1364	1520	1627	10- 20	746.9	1282	72.5,72.5
30	291.6	340.1	342.3	303.3	273.1	313.9	363.3	367.0	20- 30	341.7	1623	91.8,91.8
40	48.67	60.37	70.16	59.47	50.42	63.56	75.12	69.61	30- 40	96.66	1720	97.3,97.3
50	10.30	11.86	14.52	11.76	10.65	12.07	15.02	12.94	40- 50	22.66	1743	98.6,98.6
60	6.504	7.244	7.090	7.256	6.240	6.944	6.802	6.893	50- 60	7.632	1750	99,99
70	6.119	6.213	6.068	6.290	5.399	5.635	5.734	5.685	60- 70	6.245	1757	99.4,99.4
80	5.566	5.418	5.307	5.524	4.889	5.014	5.182	5.082	70- 80	5.887	1762	99.7,99.7
90	4.729	4.658	4.650	4.738	4.591	4.695	4.850	4.755	80- 90	5.395	1768	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): 1735.4 lm

%lum = 98.2%

%lamp = 98.2%

Conical surface Flux(130deg): 1753.5 lm

%lum = 99.2%

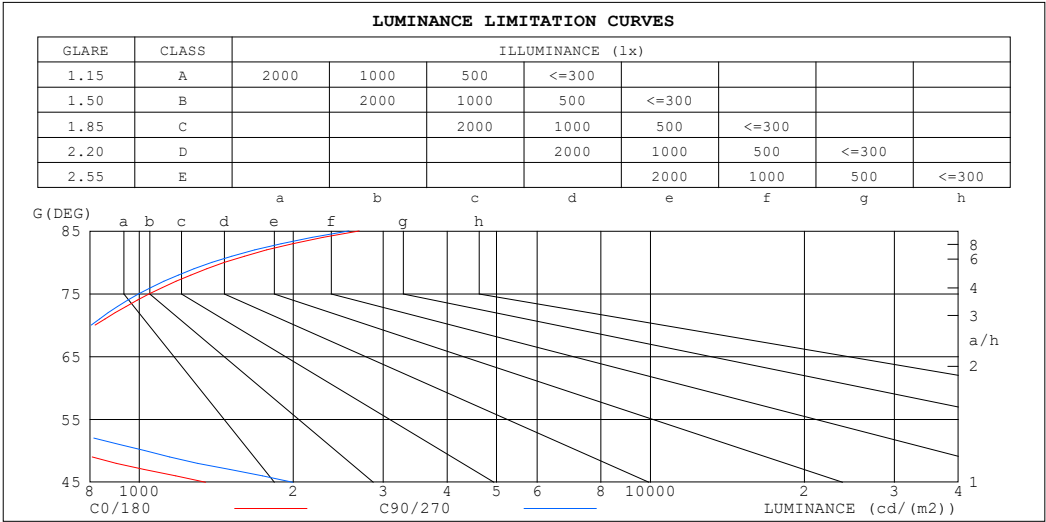
%lamp = 99.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2693	2571
80	1467	1387
75	1047	998
70	819	805
65	676	696
60	595	643
55	585	658
50	734	1025
45	1347	1994

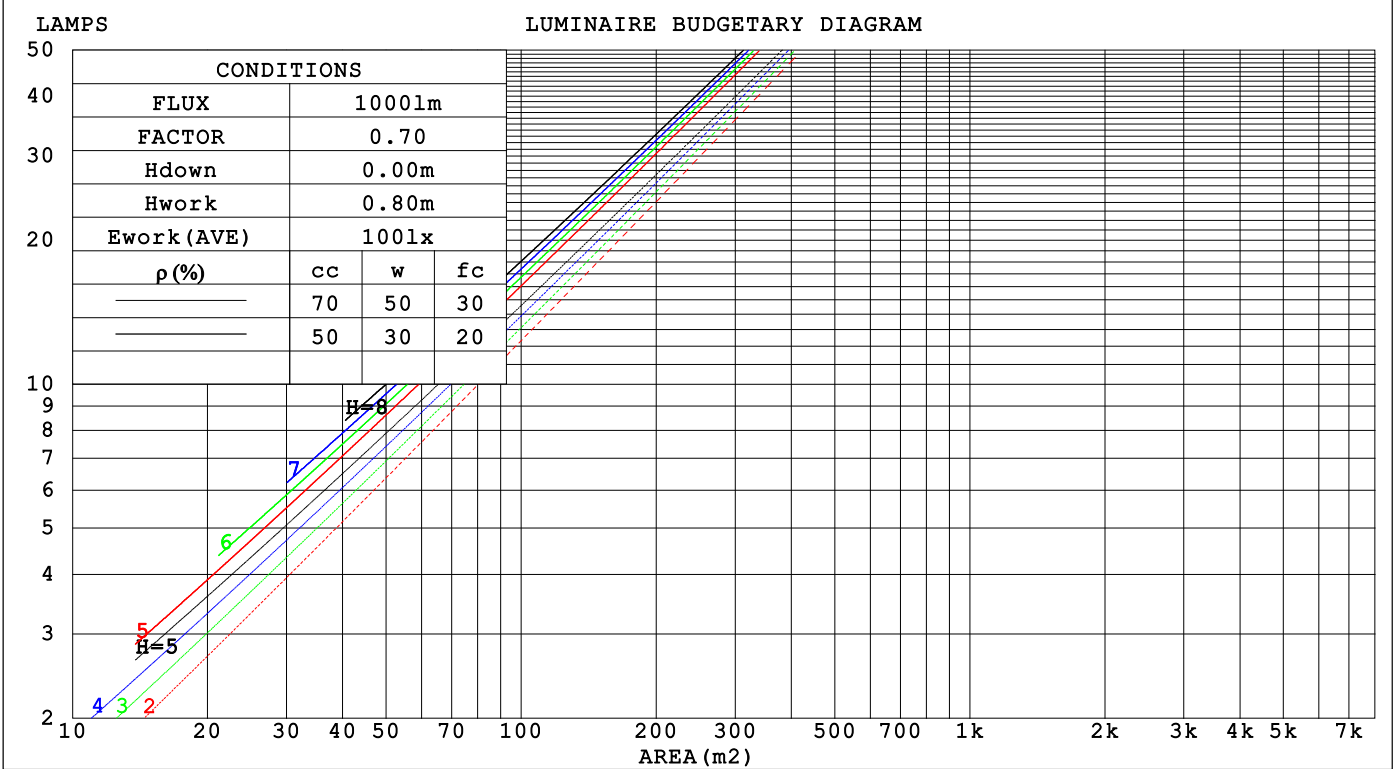
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm					
NAME: AW01-24V-3535-18-2700-80-30-B-1000			TYPE:		WEIGHT:
SPEC.:			DIM.: Length=1m		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	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.062	.020	
2.0	.137	.075	.023	.132	.073	.022	.122	.068	.021	.112	.063	.020	.103	.058	.018	
3.0	.128	.068	.020	.123	.066	.020	.115	.062	.019	.107	.058	.018	.099	.055	.017	
4.0	.120	.062	.018	.116	.061	.018	.109	.058	.017	.102	.055	.017	.096	.052	.016	
5.0	.113	.058	.017	.110	.056	.016	.103	.054	.016	.098	.052	.015	.092	.049	.015	
6.0	.107	.054	.015	.104	.053	.015	.099	.051	.015	.094	.049	.014	.089	.047	.014	
7.0	.102	.050	.014	.099	.049	.014	.094	.048	.014	.090	.046	.013	.086	.045	.013	
8.0	.097	.047	.013	.095	.047	.013	.091	.045	.013	.087	.044	.013	.083	.043	.012	
9.0	.093	.045	.013	.091	.044	.012	.087	.043	.012	.084	.042	.012	.080	.041	.012	
10.0	.089	.043	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.039	.011	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.078	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.065	.099	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.106	.076	.054	.091	.066	.047	.063	.046	.034	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm										
NAME: AW01-24V-3535-18-2700-80-30-B-1000					TYPE:			WEIGHT:		
SPEC.:					DIM.: Length=1m			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	4.0	4.7	4.2	4.8	5.0	4.9	5.6	5.1	5.7	5.9
3H	4.3	4.9	4.5	5.1	5.3	5.1	5.7	5.3	5.9	6.1
4H	4.7	5.3	4.9	5.5	5.7	5.4	6.0	5.6	6.2	6.4
6H	5.3	5.9	5.6	6.1	6.4	5.8	6.4	6.1	6.6	6.9
8H	5.7	6.3	6.0	6.6	6.8	6.1	6.7	6.4	7.0	7.2
12H	6.3	6.9	6.6	7.1	7.4	6.6	7.2	6.9	7.4	7.7
4H 2H	3.9	4.5	4.2	4.8	5.0	4.8	5.4	5.0	5.6	5.8
3H	4.4	5.0	4.8	5.3	5.5	5.2	5.7	5.5	6.0	6.2
4H	5.0	5.5	5.4	5.8	6.1	5.6	6.1	5.9	6.4	6.7
6H	6.0	6.4	6.3	6.7	7.1	6.3	6.8	6.7	7.1	7.4
8H	6.6	7.0	7.0	7.4	7.7	6.8	7.2	7.2	7.6	7.9
12H	7.4	7.8	7.8	8.2	8.5	7.5	7.9	7.9	8.3	8.7
8H 4H	5.3	5.7	5.7	6.0	6.4	5.8	6.2	6.2	6.5	6.9
6H	6.5	6.8	6.9	7.2	7.6	6.8	7.1	7.2	7.5	7.9
8H	7.3	7.6	7.8	8.0	8.5	7.5	7.8	7.9	8.2	8.6
12H	8.4	8.7	8.9	9.1	9.6	8.4	8.7	8.9	9.1	9.6
12H 4H	5.3	5.7	5.7	6.1	6.5	5.8	6.2	6.2	6.6	7.0
6H	6.7	7.0	7.1	7.4	7.8	6.9	7.2	7.3	7.6	8.1
8H	7.6	7.9	8.1	8.3	8.8	7.7	8.0	8.2	8.4	8.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.8 / - 0.7					+ 1.3 / - 1.0				
1.5H	+ 1.8 / - 0.6					+ 2.7 / - 0.9				
2.0H	+ 0.3 / - 0.2					+ 0.9 / - 0.3				

CIE Pub.117, 1768 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)
Area: 0.022 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

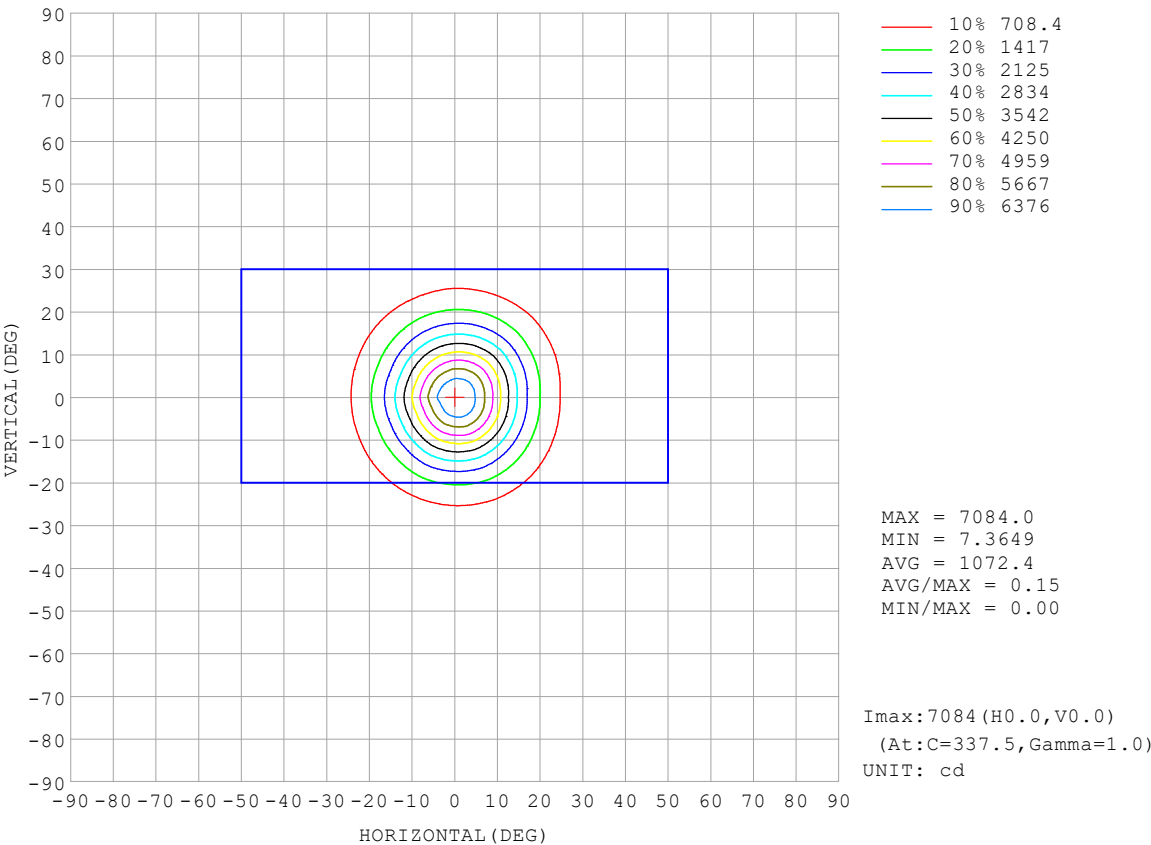
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	80	89	84	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: Cloud
 Test Date: 2024-11-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 6.360m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

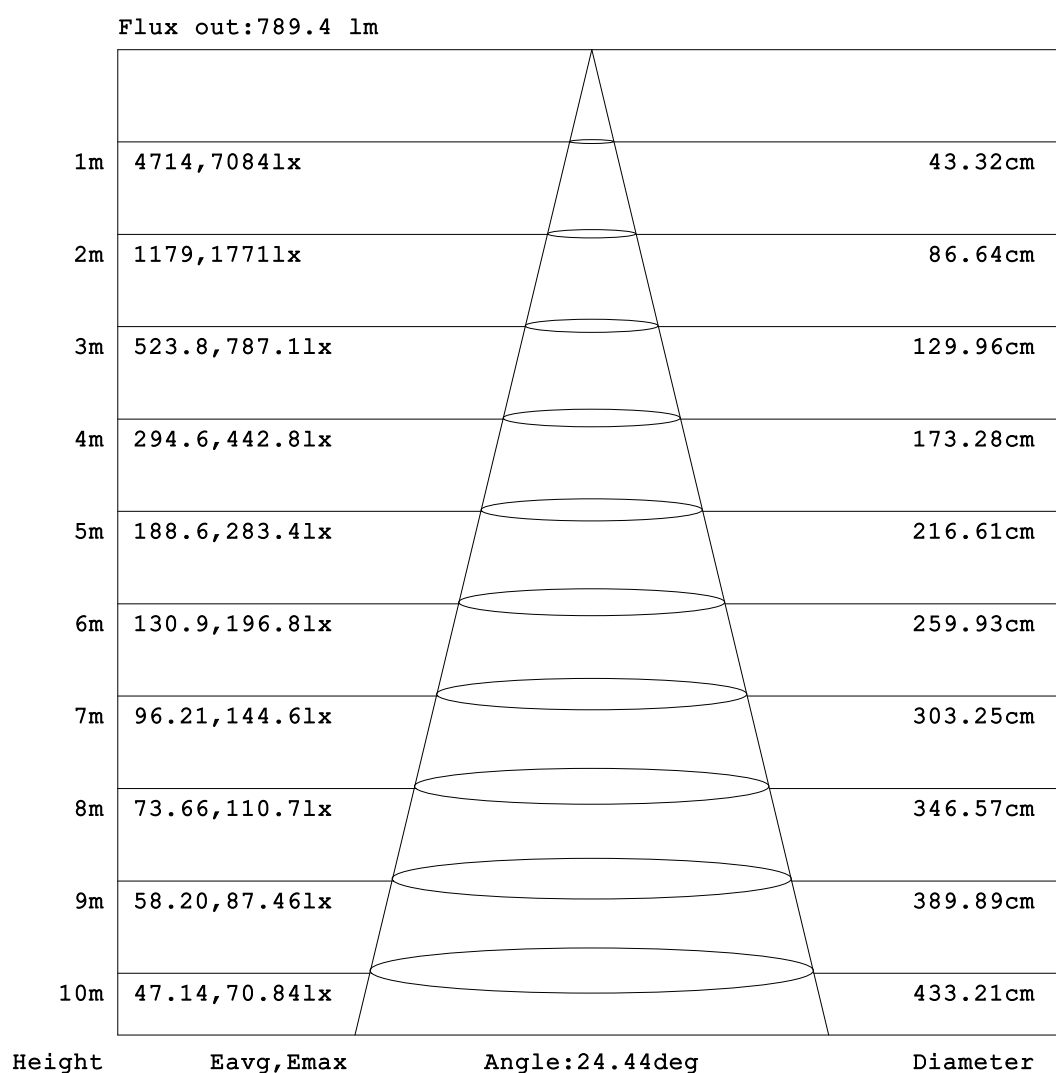
Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Temperature:25.3℃	Humidity:65.0%
Operators:Cloud	Test Distance:6.360m [K=1.0000]
Test Date:2024-11-08	Remarks:

AAI Figure

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



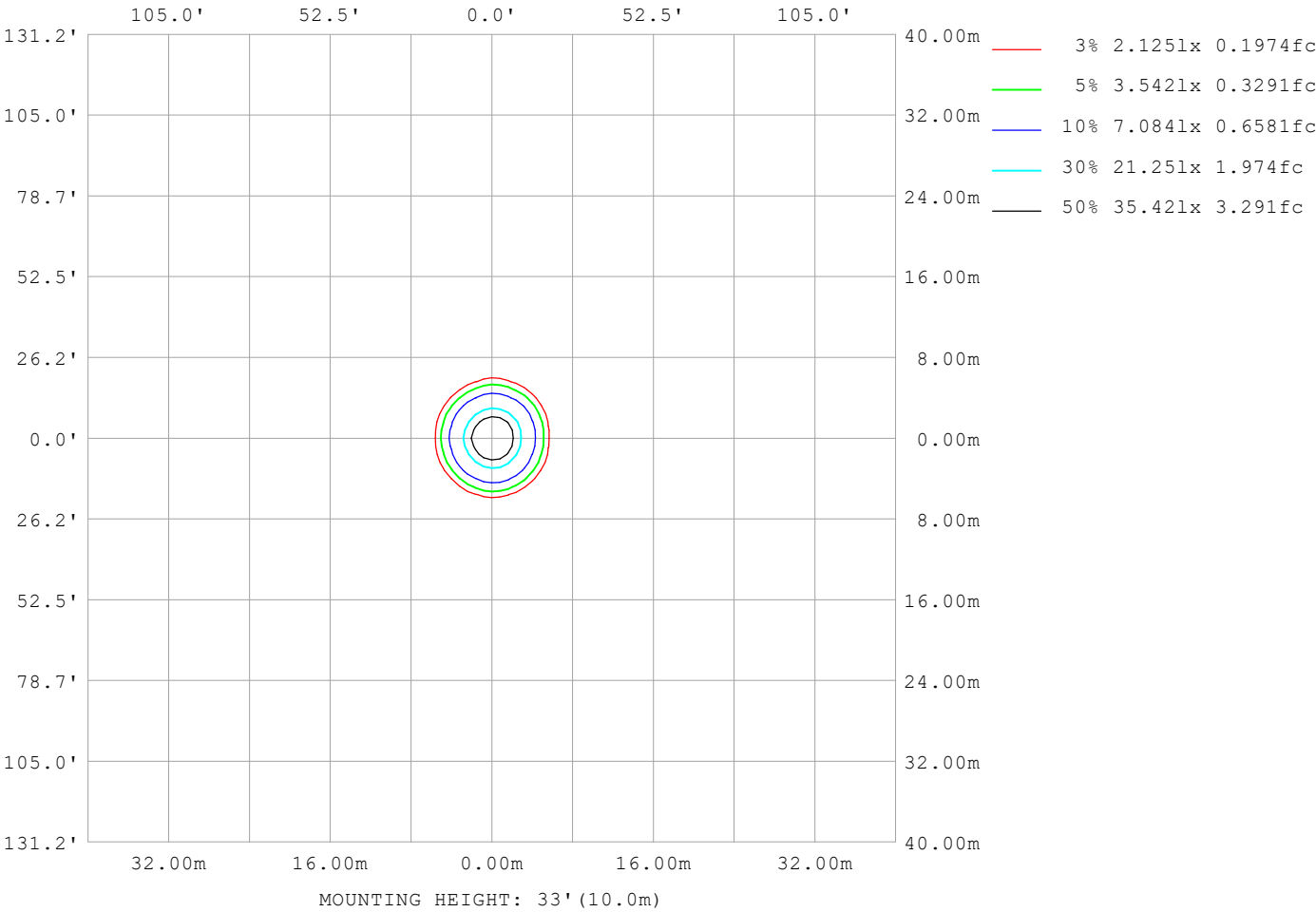
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

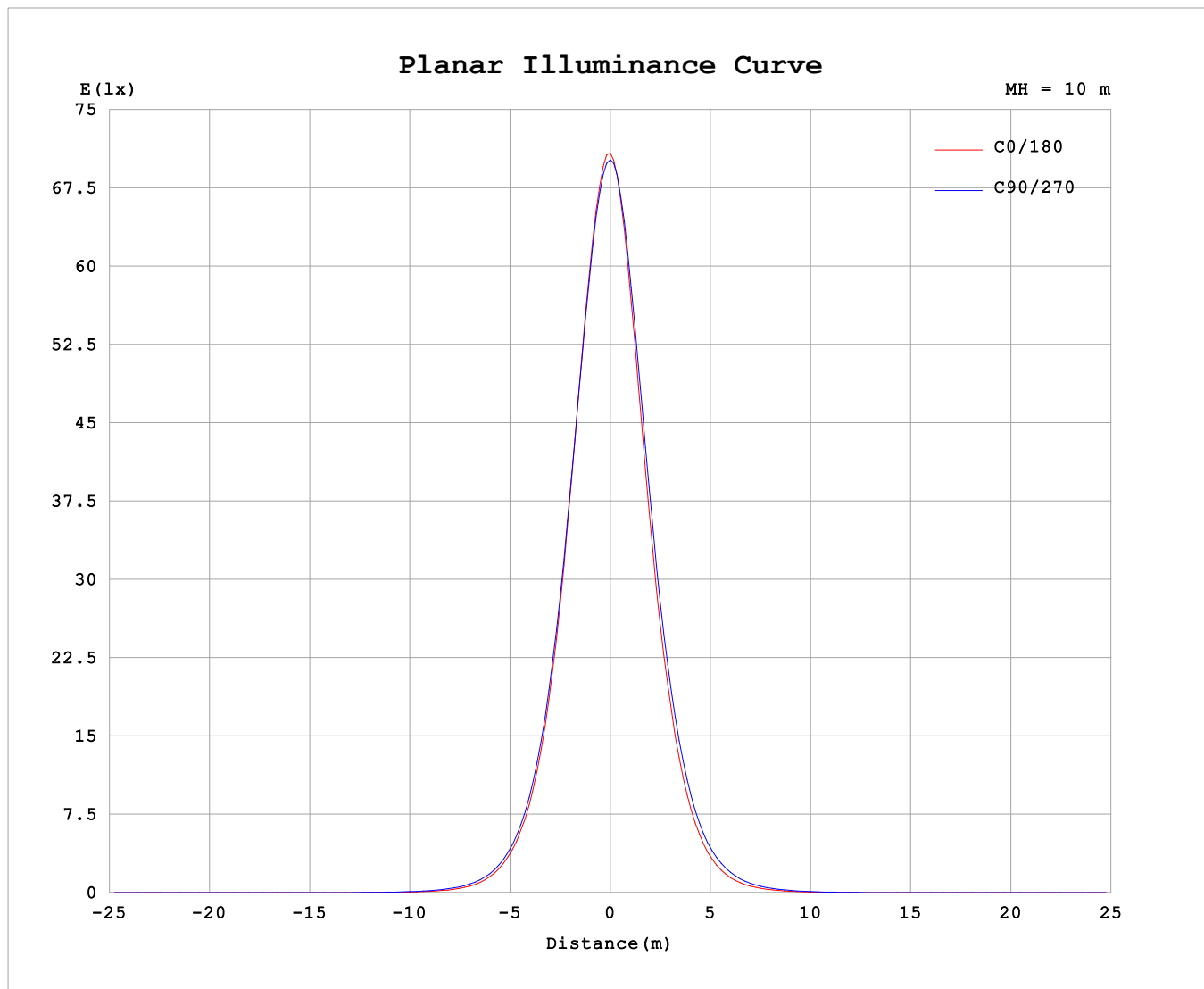
AvgL	cd/m2
L_0~180 (65) av	644
L_0~180 (75) av	970
L_0~180 (85) av	2559
L_90~270 (65) av	679
L_90~270 (75) av	975
L_90~270 (85) av	2581
L_45 (65) av	687
L_45 (75) av	984
L_45 (85) av	2574

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Cloud
Test Date: 2024-11-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.360m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.487A P:35.68W PF:1.000 Freq:0Hz Lamp Flux:1767.89x1 lm		
NAME: AW01-24V-3535-18-2700-80-30-B-1000	TYPE:	WEIGHT:
SPEC.:	DIM.: Length=1m	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

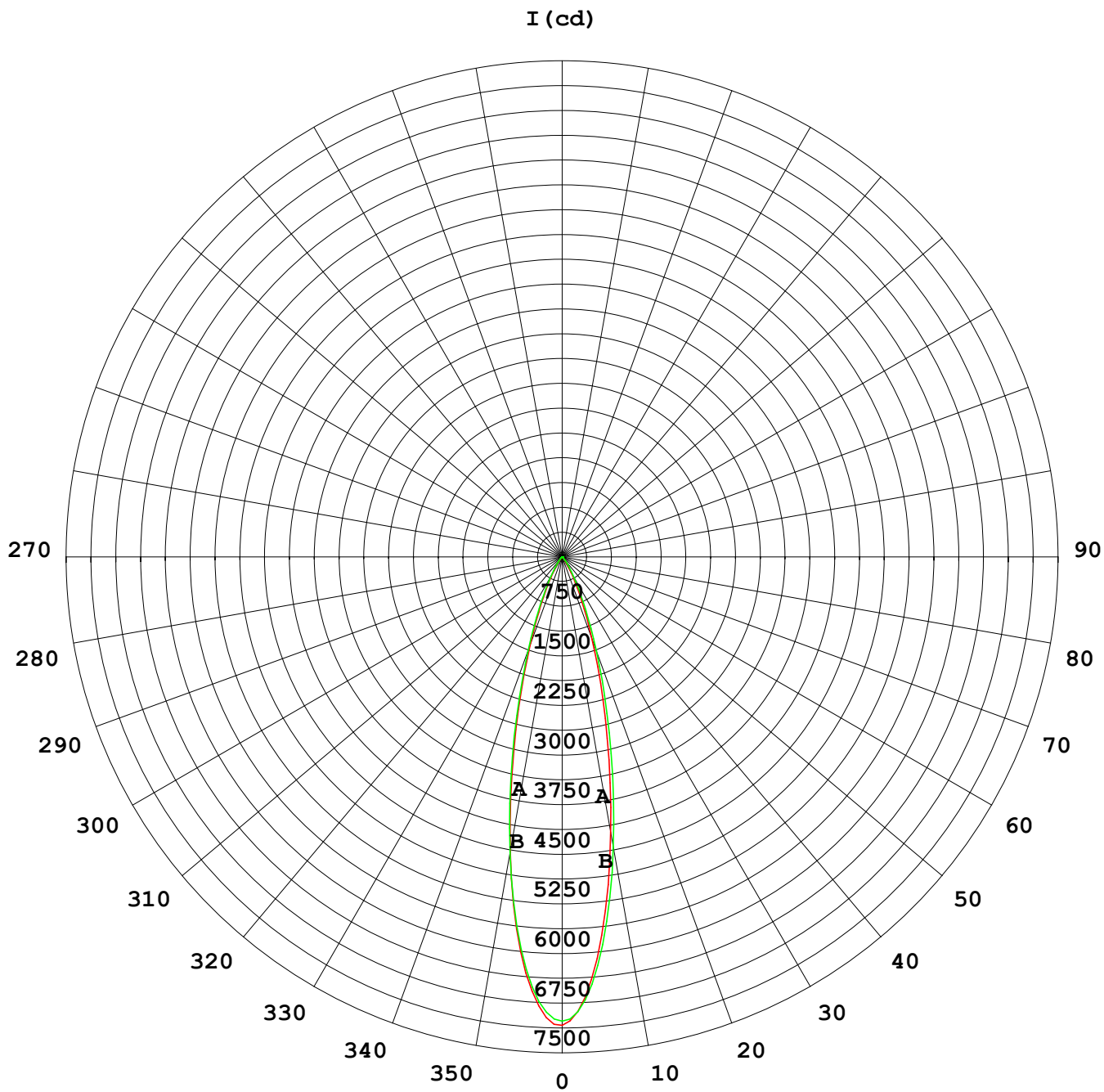
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C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Cloud
Test Date:2024-11-08

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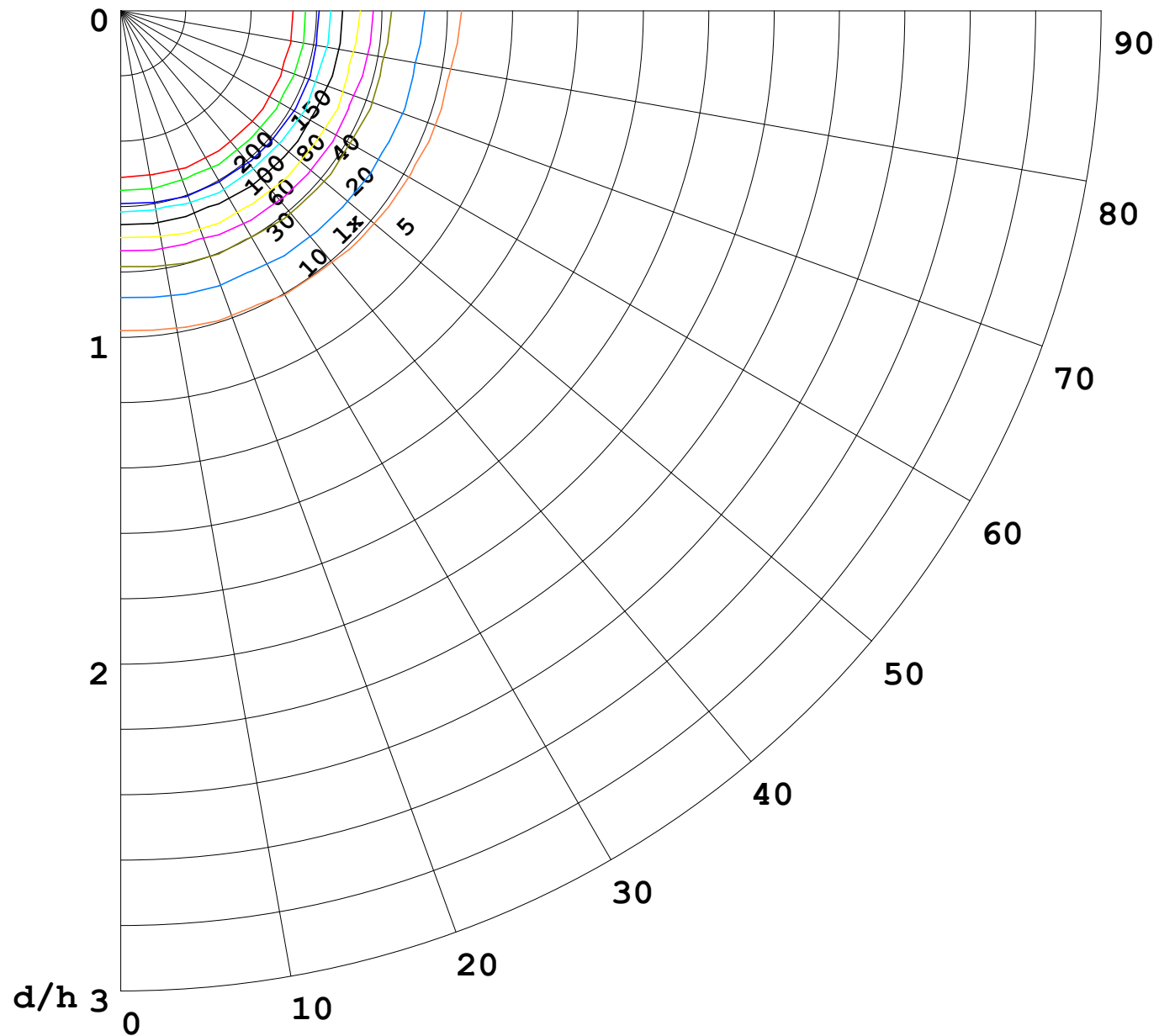
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

```



1000 lm

$\kappa = 1$



	Pcc	Pw	Pfc
_____	70	50	30
=====	50	30	20

