

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	128.0	91.76	65.78	58.06	59.09	70.62	97.89	130.2	0- 10	8.250	8.250	8.18,8.18
20	109.9	75.23	50.70	41.65	43.07	55.22	88.48	120.3	10- 20	23.23	31.48	31.2,31.2
30	59.45	41.11	26.74	21.07	20.45	27.84	48.04	73.62	20- 30	25.77	57.25	56.8,56.8
40	26.10	16.29	12.81	10.14	9.345	11.88	21.96	43.73	30- 40	17.60	74.84	74.2,74.2
50	11.13	8.104	7.329	6.416	5.500	6.342	10.18	18.73	40- 50	10.64	85.48	84.7,84.8
60	5.627	4.973	4.632	4.262	3.576	3.847	5.420	7.253	50- 60	6.156	91.64	90.8,90.9
70	3.359	3.086	2.763	2.480	2.034	2.140	2.891	3.565	60- 70	3.767	95.41	94.6,94.6
80	1.841	1.626	1.215	1.043	0.7728	0.7938	1.077	1.593	70- 80	2.095	97.50	96.7,96.7
90	0.7097	0.5378	0.3296	0.4698	0.3195	0.2184	0.0403	0.3042	80- 90	0.7902	98.29	97.4,97.5
100	0.3619	0.3451	0.3501	0.4479	0.3167	0.2187	0.0452	0.1006	90-100	0.3226	98.62	97.8,97.8
110	0.3505	0.3427	0.3719	0.4614	0.3870	0.2503	0.1055	0.1332	100-110	0.2999	98.91	98.1,98.1
120	0.3540	0.3528	0.4324	0.5227	0.4827	0.3343	0.1958	0.1810	110-120	0.3209	99.24	98.4,98.4
130	0.3602	0.4045	0.5479	0.6357	0.5680	0.4297	0.2813	0.2739	120-130	0.3535	99.59	98.7,98.8
140	0.4321	0.5102	0.6434	0.7115	0.6333	0.5227	0.3969	0.3871	130-140	0.3734	99.96	99.1,99.1
150	0.5477	0.6157	0.6990	0.7301	0.6635	0.5855	0.5045	0.5076	140-150	0.3571	100.3	99.5,99.5
160	0.6784	0.6917	0.7007	0.7321	0.6784	0.6282	0.5930	0.6030	150-160	0.2939	100.6	99.7,99.8
170	0.7538	0.7096	0.7024	0.7127	0.7191	0.6659	0.6482	0.6659	160-170	0.1913	100.8	99.9,100
180	0.7689	0.7237	0.7036	0.7086	0.7840	0.7086	0.7036	0.7011	170-180	0.0674	100.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 80.895 lm

%lum = 80.2%

%lamp = 80.2%

Conical surface Flux(120deg): 91.64 lm

%lum = 90.8%

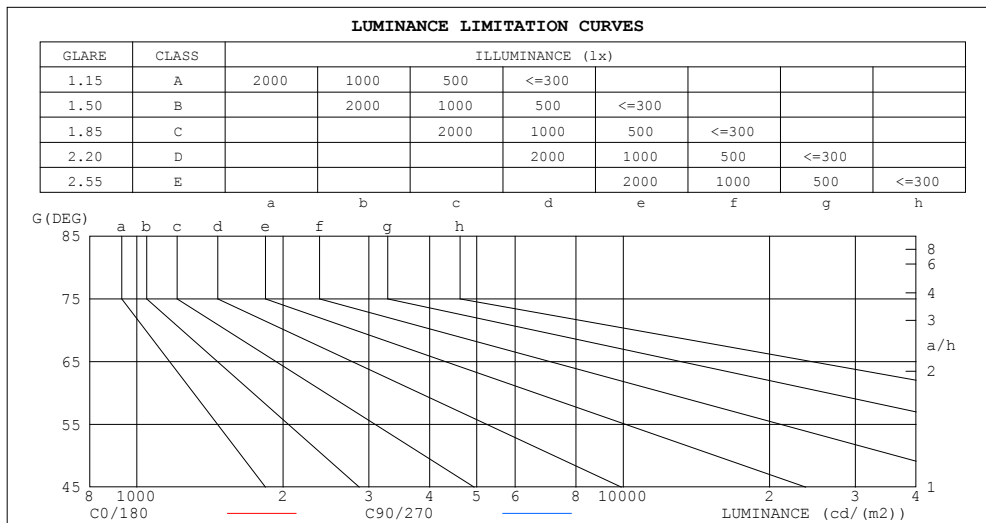
%lamp = 90.9%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-07-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	141	68
80	106	70
75	99	75
70	98	81
65	102	86
60	113	93
55	133	101
50	173	114
45	239	134

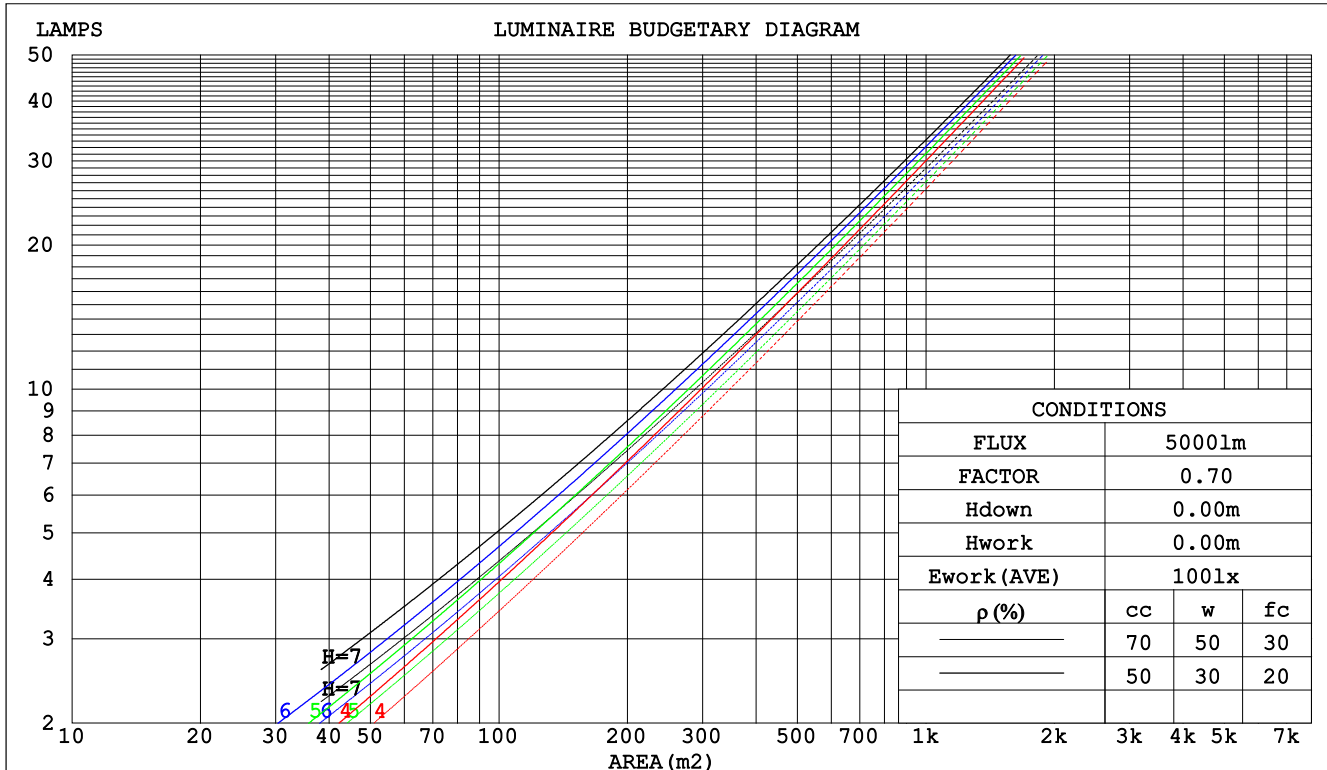
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.97
1.0	1.08	1.05	1.02	1.05	1.03	1.00	1.01	.99	.97	.97	.95	.93	.93	.91	.90	.88
2.0	.98	.94	.89	.96	.92	.88	.93	.89	.86	.89	.86	.84	.86	.84	.81	.79
3.0	.90	.84	.79	.89	.83	.79	.85	.81	.77	.83	.79	.75	.80	.77	.74	.72
4.0	.83	.76	.71	.82	.76	.71	.79	.74	.70	.77	.72	.69	.74	.71	.68	.66
5.0	.77	.70	.65	.76	.69	.65	.73	.68	.64	.71	.67	.63	.70	.65	.62	.60
6.0	.71	.64	.59	.70	.64	.59	.68	.63	.58	.67	.62	.58	.65	.61	.57	.56
7.0	.66	.60	.55	.66	.59	.55	.64	.58	.54	.63	.57	.54	.61	.57	.53	.51
8.0	.62	.55	.51	.61	.55	.51	.60	.54	.50	.59	.54	.50	.58	.53	.49	.48
9.0	.58	.52	.47	.58	.51	.47	.56	.51	.47	.55	.50	.46	.54	.50	.46	.45
10.0	.55	.48	.44	.54	.48	.44	.53	.48	.44	.52	.47	.43	.51	.47	.43	.42



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C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm								
NAME: LED Wall Grazer				TYPE:			WEIGHT:	
SPEC.:				DIM.: 18.5MM*18.5MM			SERIAL No.:	
MFR.:				SUR.:1.0*0.0185			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	.221	.126	.040	.213	.122	.039	.199	.114	.036	.186	.107	.034	.174	.101	.032		
2.0	.209	.115	.035	.203	.112	.034	.190	.106	.033	.179	.100	.031	.168	.095	.030		
3.0	.197	.105	.031	.191	.102	.031	.180	.098	.030	.170	.093	.029	.161	.089	.028		
4.0	.185	.096	.028	.180	.094	.028	.170	.090	.027	.162	.087	.026	.153	.083	.025		
5.0	.174	.089	.026	.169	.087	.025	.161	.084	.025	.153	.081	.024	.146	.078	.023		
6.0	.164	.082	.024	.160	.081	.023	.153	.078	.023	.146	.076	.022	.139	.073	.022		
7.0	.155	.077	.022	.151	.075	.022	.145	.073	.021	.139	.071	.021	.133	.069	.020		
8.0	.147	.072	.020	.144	.071	.020	.138	.069	.020	.132	.067	.019	.127	.065	.019		
9.0	.139	.067	.019	.137	.067	.019	.131	.065	.018	.126	.063	.018	.121	.062	.018		
10.0	.133	.064	.018	.130	.063	.018	.125	.061	.017	.121	.060	.017	.116	.058	.017		

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	.210	.210	.210	.179	.179	.179	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.194	.177	.161	.166	.152	.139	.113	.104	.096	.065	.060	.056	.021	.019	.018	
2.0	.181	.152	.128	.155	.131	.110	.106	.091	.077	.061	.053	.045	.020	.017	.015	
3.0	.170	.134	.105	.146	.115	.091	.100	.080	.064	.058	.047	.037	.019	.015	.012	
4.0	.161	.120	.088	.138	.103	.076	.095	.072	.054	.055	.042	.032	.018	.014	.010	
5.0	.153	.108	.076	.131	.094	.066	.090	.066	.046	.052	.038	.028	.017	.013	.009	
6.0	.146	.099	.066	.125	.086	.058	.086	.060	.041	.050	.035	.024	.016	.012	.008	
7.0	.139	.092	.059	.120	.080	.052	.083	.056	.037	.048	.033	.022	.016	.011	.007	
8.0	.133	.086	.054	.115	.075	.047	.079	.052	.033	.046	.031	.020	.015	.010	.007	
9.0	.128	.081	.050	.110	.070	.043	.076	.049	.031	.044	.029	.018	.014	.010	.006	
10.0	.123	.077	.046	.106	.067	.040	.073	.047	.029	.043	.028	.017	.014	.009	.006	

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C Interval: 30.0DEG  
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Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm										
NAME: LED Wall Grazer					TYPE:			WEIGHT:		
SPEC.:					DIM.: 18.5MM*18.5MM			SERIAL No.:		
MFR.:					SUR.:1.0*0.0185			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	11.7	12.9	12.0	13.1	13.3	10.0	11.1	10.3	11.3	11.6
3H	12.5	13.5	12.8	13.8	14.1	11.0	12.0	11.3	12.3	12.5
4H	13.0	13.9	13.3	14.2	14.5	11.5	12.4	11.8	12.7	13.0
6H	13.4	14.3	13.7	14.6	14.9	11.8	12.7	12.2	13.0	13.3
8H	13.6	14.5	14.0	14.8	15.1	11.9	12.8	12.3	13.1	13.4
12H	13.8	14.7	14.2	15.0	15.3	12.0	12.9	12.4	13.2	13.5
4H 2H	11.9	12.9	12.2	13.1	13.4	10.4	11.4	10.8	11.7	12.0
3H	12.9	13.8	13.3	14.1	14.4	11.7	12.5	12.1	12.8	13.2
4H	13.5	14.3	13.9	14.6	15.0	12.3	13.0	12.7	13.4	13.8
6H	14.1	14.8	14.5	15.2	15.6	12.8	13.5	13.2	13.8	14.2
8H	14.4	15.0	14.9	15.5	15.9	13.0	13.6	13.4	14.0	14.4
12H	14.8	15.3	15.2	15.7	16.2	13.1	13.7	13.6	14.1	14.6
8H 4H	13.7	14.3	14.1	14.7	15.1	12.6	13.2	13.0	13.6	14.0
6H	14.5	15.0	14.9	15.4	15.9	13.3	13.8	13.7	14.2	14.7
8H	14.9	15.3	15.4	15.8	16.3	13.6	14.0	14.1	14.5	15.0
12H	15.4	15.8	15.9	16.2	16.8	13.8	14.2	14.3	14.7	15.2
12H 4H	13.7	14.2	14.1	14.7	15.1	12.6	13.2	13.1	13.6	14.1
6H	14.5	15.0	15.0	15.4	15.9	13.4	13.8	13.9	14.3	14.8
8H	15.0	15.4	15.5	15.9	16.4	13.7	14.1	14.3	14.6	15.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.6					+ 0.3 / - 0.4				
1.5H	+ 1.6 / - 0.6					+ 0.4 / - 0.3				
2.0H	+ 1.5 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 100.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.0)

C Range: 0 - 360DEG  
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Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

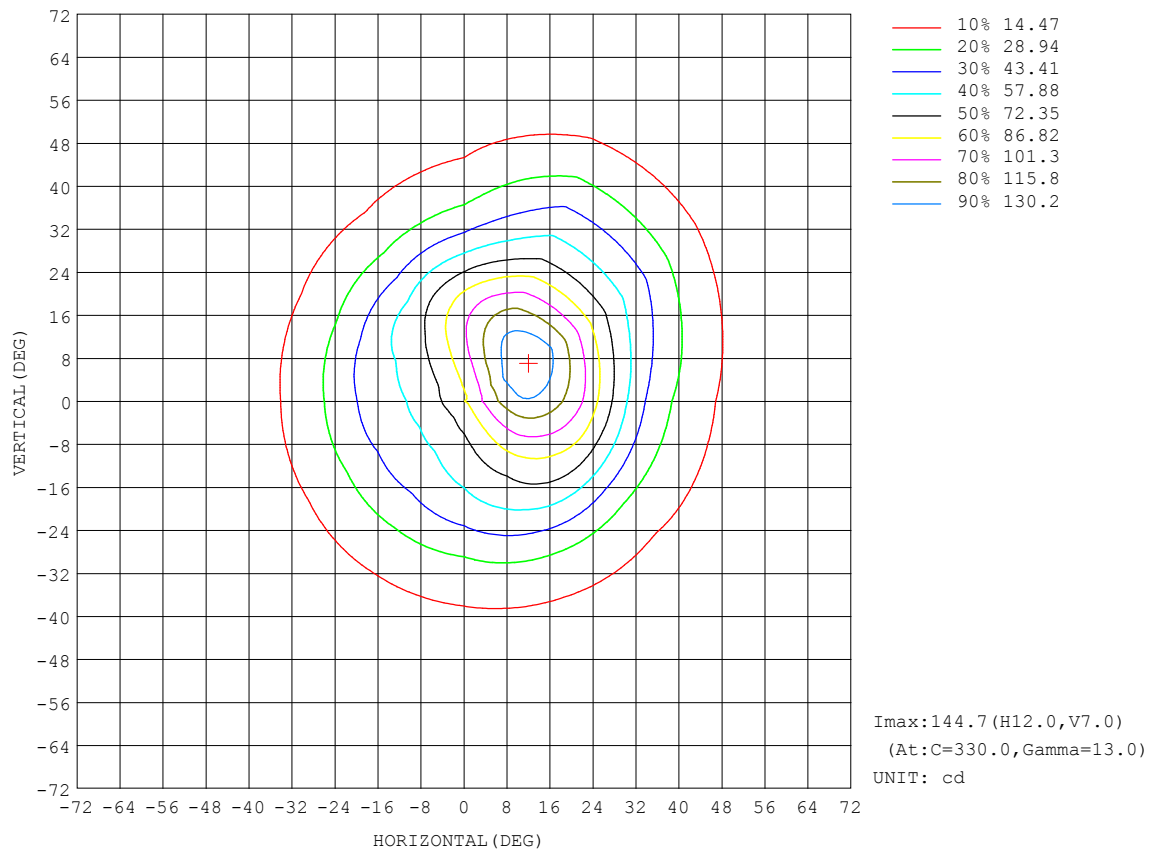
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	67	62	75	67	62	74	66	62	57
0.80	84	76	71	83	76	71	82	75	70	65
1.00	90	83	78	89	82	77	87	82	77	71
1.25	95	88	83	94	87	83	91	86	82	76
1.50	99	92	88	97	91	87	95	90	86	80
2.00	103	97	93	101	96	92	98	94	90	84
2.50	106	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	98	96	88
4.00	110	107	103	108	105	102	104	101	99	90
5.00	112	109	106	110	107	104	105	103	101	92
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



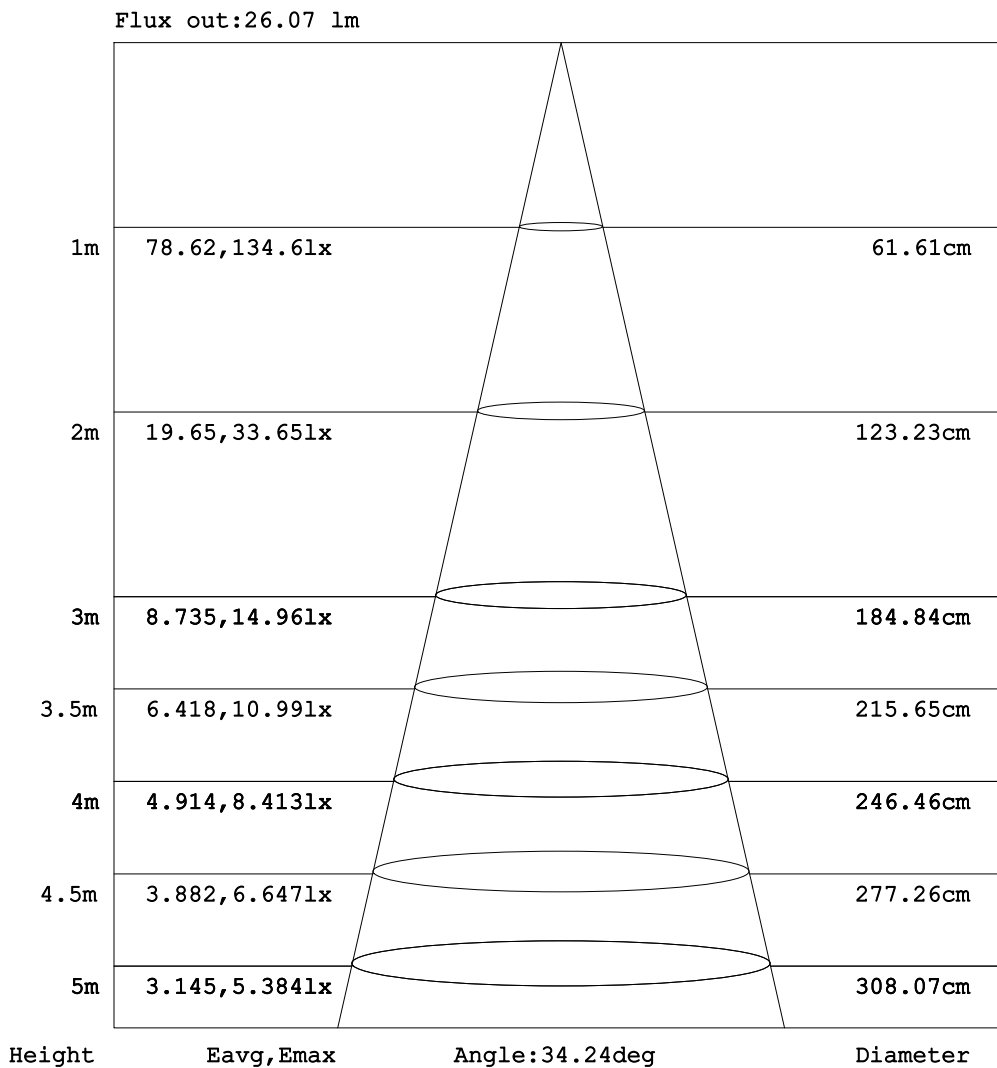
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



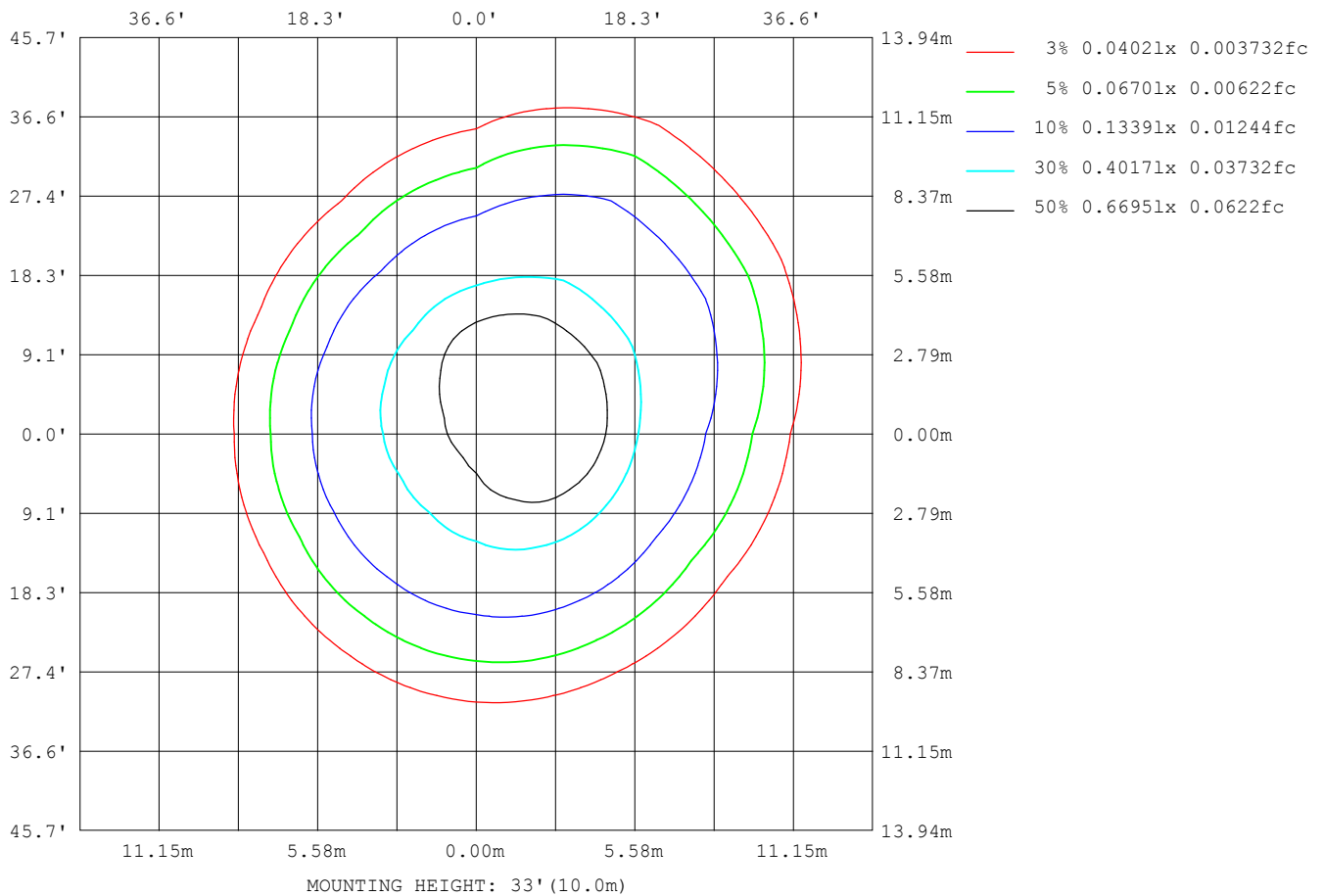
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
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 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

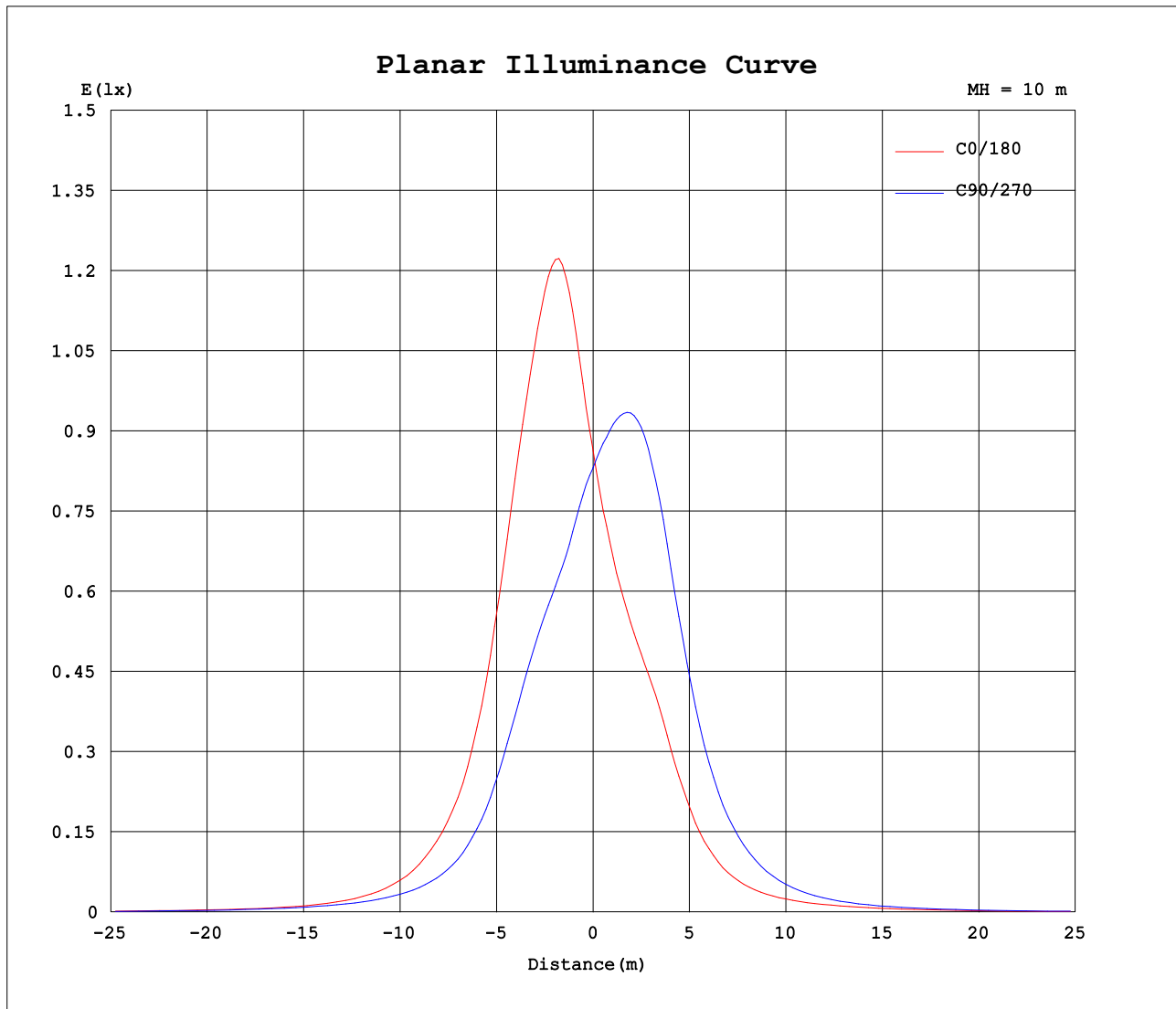
AvgL	cd/m2
L_0~180 (65) av	84
L_0~180 (75) av	76
L_0~180 (85) av	91
L_90~270 (65) av	91
L_90~270 (75) av	75
L_90~270 (85) av	57
L_45 (65) av	90
L_45 (75) av	77
L_45 (85) av	80

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-07-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2070A P:4.968W PF:1.000 Freq:0Hz Lamp Flux:100.85x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	86.3	84.6	83.7	83.1	83.3	84.6	86.3	84.6	83.7	83.1	83.3	84.6							
5	109	97.0	83.9	74.4	68.4	67.7	70.1	73.1	79.9	91.1	102	110							
10	128	103	80.5	65.8	59.0	57.1	59.1	64.5	76.7	97.9	122	138							
15	125	97.0	73.8	59.6	51.3	48.9	51.5	57.5	71.6	98.7	129	144							
20	110	85.3	65.1	50.7	42.7	40.6	43.1	49.2	61.3	88.5	115	126							
25	86.2	68.5	51.8	38.7	32.5	29.5	31.2	36.1	46.4	68.6	92.4	99.4							
30	59.5	46.4	35.8	26.7	22.2	19.9	20.4	24.0	31.7	48.0	71.9	75.3							
35	39.1	28.3	22.7	18.1	15.2	13.2	13.4	15.3	20.4	32.5	56.7	57.2							
40	26.1	17.7	14.9	12.8	10.8	9.45	9.35	10.3	13.5	22.0	43.9	43.6							
45	16.9	12.0	10.3	9.49	8.34	7.39	6.98	7.47	9.37	14.8	30.9	29.2							
50	11.1	8.50	7.70	7.33	6.75	6.08	5.50	5.75	6.93	10.2	19.5	17.9							
55	7.63	6.41	6.07	5.81	5.53	5.03	4.44	4.55	5.32	7.31	11.8	10.9							
60	5.63	5.08	4.86	4.63	4.45	4.07	3.58	3.57	4.12	5.42	7.56	6.95							
65	4.32	4.03	3.88	3.65	3.47	3.19	2.77	2.77	3.11	4.03	5.14	4.87							
70	3.36	3.16	3.01	2.76	2.59	2.38	2.03	2.04	2.24	2.89	3.60	3.53							
75	2.55	2.39	2.23	1.95	1.78	1.63	1.36	1.37	1.48	1.92	2.43	2.51							
80	1.84	1.72	1.53	1.22	1.08	1.00	0.77	0.78	0.80	1.08	1.51	1.68							
85	1.23	1.11	0.91	0.60	0.57	0.56	0.37	0.38	0.29	0.39	0.75	0.99							
90	0.71	0.61	0.46	0.33	0.41	0.53	0.32	0.26	0.18	0.04	0.18	0.43							
95	0.42	0.37	0.34	0.34	0.41	0.50	0.30	0.26	0.17	0.05	0.08	0.15							
100	0.36	0.36	0.33	0.35	0.41	0.48	0.32	0.26	0.18	0.05	0.10	0.11							
105	0.35	0.35	0.33	0.36	0.42	0.48	0.35	0.26	0.20	0.07	0.11	0.11							
110	0.35	0.35	0.34	0.37	0.42	0.50	0.39	0.27	0.23	0.11	0.14	0.13							
115	0.35	0.34	0.35	0.40	0.43	0.54	0.44	0.32	0.26	0.14	0.17	0.14							
120	0.35	0.35	0.35	0.43	0.46	0.58	0.48	0.36	0.31	0.20	0.21	0.16							
125	0.36	0.38	0.36	0.49	0.53	0.64	0.54	0.41	0.36	0.23	0.25	0.19							
130	0.36	0.40	0.41	0.55	0.58	0.69	0.57	0.45	0.41	0.28	0.31	0.24							
135	0.38	0.45	0.45	0.59	0.62	0.74	0.61	0.51	0.46	0.36	0.36	0.29							
140	0.43	0.50	0.52	0.64	0.67	0.75	0.63	0.53	0.51	0.40	0.42	0.35							
145	0.51	0.56	0.56	0.68	0.69	0.76	0.65	0.55	0.55	0.45	0.48	0.44							
150	0.55	0.62	0.61	0.70	0.70	0.76	0.66	0.59	0.58	0.50	0.54	0.48							
155	0.61	0.67	0.64	0.70	0.70	0.76	0.67	0.61	0.62	0.54	0.58	0.54							
160	0.68	0.71	0.67	0.70	0.71	0.76	0.68	0.61	0.65	0.59	0.62	0.58							
165	0.71	0.73	0.68	0.70	0.71	0.72	0.69	0.61	0.66	0.61	0.66	0.61							
170	0.75	0.74	0.68	0.70	0.71	0.72	0.72	0.64	0.69	0.65	0.69	0.64							
175	0.76	0.74	0.69	0.70	0.71	0.71	0.75	0.68	0.71	0.68	0.70	0.68							
180	0.77	0.75	0.70	0.70	0.71	0.71	0.78	0.71	0.71	0.70	0.70	0.70							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	86.33	84.62	83.65	83.14	83.29	84.61	86.33	84.62	83.65	83.14
3.0	99.39	91.89	84.57	78.35	73.86	73.48	75.55	77.12	81.39	88.08
6.0	114.3	99.10	83.47	72.38	65.89	64.74	67.33	71.24	79.30	92.81
9.0	125.6	102.6	81.46	67.13	60.46	58.74	60.92	66.16	77.49	96.82
12.0	129.2	102.2	78.13	63.25	55.99	53.51	55.74	61.40	75.00	99.24
15.0	125.2	97.05	73.81	59.59	51.25	48.91	51.52	57.49	71.59	98.74
18.0	117.0	90.56	68.93	54.70	46.32	44.26	47.16	53.04	66.10	93.85
21.0	106.0	82.47	62.91	48.36	40.70	38.66	40.75	46.93	58.58	84.70
24.0	91.46	72.67	54.86	41.39	34.53	31.92	33.43	38.87	49.59	72.62
27.0	75.64	59.47	45.46	33.68	28.24	25.47	26.52	30.68	40.02	59.94
30.0	59.45	46.40	35.81	26.74	22.25	19.89	20.45	23.99	31.68	48.04
33.0	46.19	34.61	27.26	21.21	17.55	15.48	15.91	18.04	24.38	38.07
36.0	36.13	25.56	20.72	16.83	14.12	12.26	12.46	14.10	18.68	30.16
39.0	28.25	19.32	16.13	13.62	11.51	10.05	10.00	11.05	14.56	23.68
42.0	21.91	14.85	12.73	11.30	9.661	8.541	8.238	8.961	11.59	18.64
45.0	16.89	11.95	10.29	9.490	8.342	7.385	6.977	7.472	9.372	14.79
48.0	13.09	9.589	8.594	8.083	7.311	6.566	6.023	6.365	7.765	11.74
51.0	10.31	8.012	7.322	6.988	6.496	5.853	5.279	5.481	6.574	9.495
54.0	8.189	6.762	6.356	6.069	5.757	5.240	4.632	4.781	5.601	7.804
57.0	6.719	5.868	5.556	5.320	5.083	4.632	4.069	4.143	4.792	6.496
60.0	5.627	5.084	4.862	4.632	4.450	4.074	3.576	3.575	4.118	5.420
63.0	4.793	4.411	4.254	4.014	3.852	3.526	3.084	3.072	3.500	4.576
66.0	4.123	3.833	3.701	3.466	3.289	3.014	2.612	2.600	2.918	3.791
69.0	3.540	3.321	3.178	2.924	2.756	2.537	2.180	2.167	2.410	3.113
72.0	3.018	2.843	2.696	2.426	2.254	2.069	1.752	1.745	1.918	2.510
75.0	2.550	2.391	2.233	1.949	1.776	1.632	1.361	1.368	1.476	1.917
78.0	2.112	1.969	1.791	1.496	1.348	1.250	0.9939	1.006	1.074	1.414
81.0	1.710	1.577	1.399	1.079	0.9612	0.8987	0.6724	0.6843	0.6823	0.9359
84.0	1.343	1.225	1.027	0.6976	0.6445	0.6226	0.4264	0.4329	0.3659	0.5190
87.0	1.006	0.8938	0.7047	0.3815	0.4529	0.5504	0.3475	0.2918	0.2046	0.1818
90.0	0.7097	0.6125	0.4631	0.3296	0.4071	0.5324	0.3195	0.2564	0.1803	0.0403
93.0	0.5132	0.4267	0.3570	0.3381	0.4091	0.5144	0.2916	0.2564	0.1731	0.0402
96.0	0.4023	0.3685	0.3367	0.3444	0.4110	0.4964	0.3065	0.2564	0.1659	0.0452
99.0	0.3670	0.3638	0.3303	0.3478	0.4130	0.4833	0.3216	0.2564	0.1760	0.0452
102.0	0.3598	0.3590	0.3274	0.3545	0.4149	0.4798	0.3318	0.2563	0.1860	0.0452
105.0	0.3543	0.3542	0.3318	0.3568	0.4169	0.4842	0.3469	0.2563	0.2011	0.0653
108.0	0.3498	0.3494	0.3362	0.3620	0.4188	0.4926	0.3670	0.2623	0.2162	0.0753
111.0	0.3508	0.3447	0.3406	0.3770	0.4208	0.5077	0.3922	0.2804	0.2312	0.1105
114.0	0.3519	0.3399	0.3450	0.3921	0.4271	0.5228	0.4223	0.3065	0.2564	0.1206
117.0	0.3529	0.3368	0.3493	0.4022	0.4421	0.5530	0.4524	0.3466	0.2766	0.1457
120.0	0.3540	0.3518	0.3537	0.4324	0.4623	0.5830	0.4827	0.3568	0.3117	0.1958
123.0	0.3550	0.3619	0.3579	0.4775	0.5134	0.6082	0.5127	0.3869	0.3418	0.2060
126.0	0.3561	0.3820	0.3619	0.5027	0.5316	0.6384	0.5479	0.4370	0.3670	0.2362
129.0	0.3568	0.4021	0.3919	0.5329	0.5578	0.6786	0.5679	0.4422	0.3972	0.2713
132.0	0.3669	0.4172	0.4321	0.5630	0.5880	0.7087	0.5831	0.4674	0.4123	0.3064
135.0	0.3769	0.4475	0.4523	0.5931	0.6181	0.7438	0.6081	0.5074	0.4575	0.3617
138.0	0.4069	0.4826	0.4973	0.6233	0.6432	0.7542	0.6233	0.5226	0.4926	0.3668
141.0	0.4372	0.5178	0.5177	0.6534	0.6717	0.7548	0.6383	0.5377	0.5177	0.4120
144.0	0.4723	0.5479	0.5477	0.6685	0.6818	0.7555	0.6463	0.5527	0.5399	0.4372
147.0	0.5177	0.5832	0.5979	0.6936	0.6985	0.7561	0.6556	0.5729	0.5610	0.4673
150.0	0.5477	0.6233	0.6081	0.6990	0.7036	0.7567	0.6635	0.5930	0.5780	0.5045
153.0	0.5880	0.6584	0.6232	0.6995	0.7040	0.7573	0.6656	0.6080	0.5932	0.5256
156.0	0.6280	0.6885	0.6483	0.7000	0.7046	0.7580	0.6678	0.6080	0.6282	0.5427
159.0	0.6733	0.7086	0.6695	0.7005	0.7051	0.7586	0.6735	0.6081	0.6384	0.5829
162.0	0.6834	0.7207	0.6730	0.7010	0.7057	0.7538	0.6834	0.6081	0.6484	0.5930
165.0	0.7137	0.7337	0.6765	0.7016	0.7063	0.7237	0.6906	0.6132	0.6634	0.6081
168.0	0.7487	0.7349	0.6800	0.7021	0.7069	0.7209	0.7095	0.6332	0.6885	0.6281
171.0	0.7563	0.7378	0.6835	0.7026	0.7075	0.7168	0.7240	0.6632	0.6986	0.6583
174.0	0.7609	0.7408	0.6896	0.7031	0.7080	0.7127	0.7439	0.6784	0.7036	0.6824
177.0	0.7639	0.7438	0.6985	0.7036	0.7086	0.7086	0.7840	0.6934	0.7086	0.6885
180.0	0.7689	0.7488	0.6986	0.7036	0.7086	0.7086	0.7840	0.7086	0.7086	0.7036
G/C	300.0	330.0								
0.0	83.29	84.61								
3.0	94.29	98.74								
6.0	106.6	117.0								
9.0	118.9	133.6								
12.0	127.3	143.8								
15.0	128.7	143.6								
18.0	122.6	134.7								
21.0	110.4	120.5								
24.0	96.97	104.5								
27.0	83.71	88.99								
30.0	71.89	75.34								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-07-26

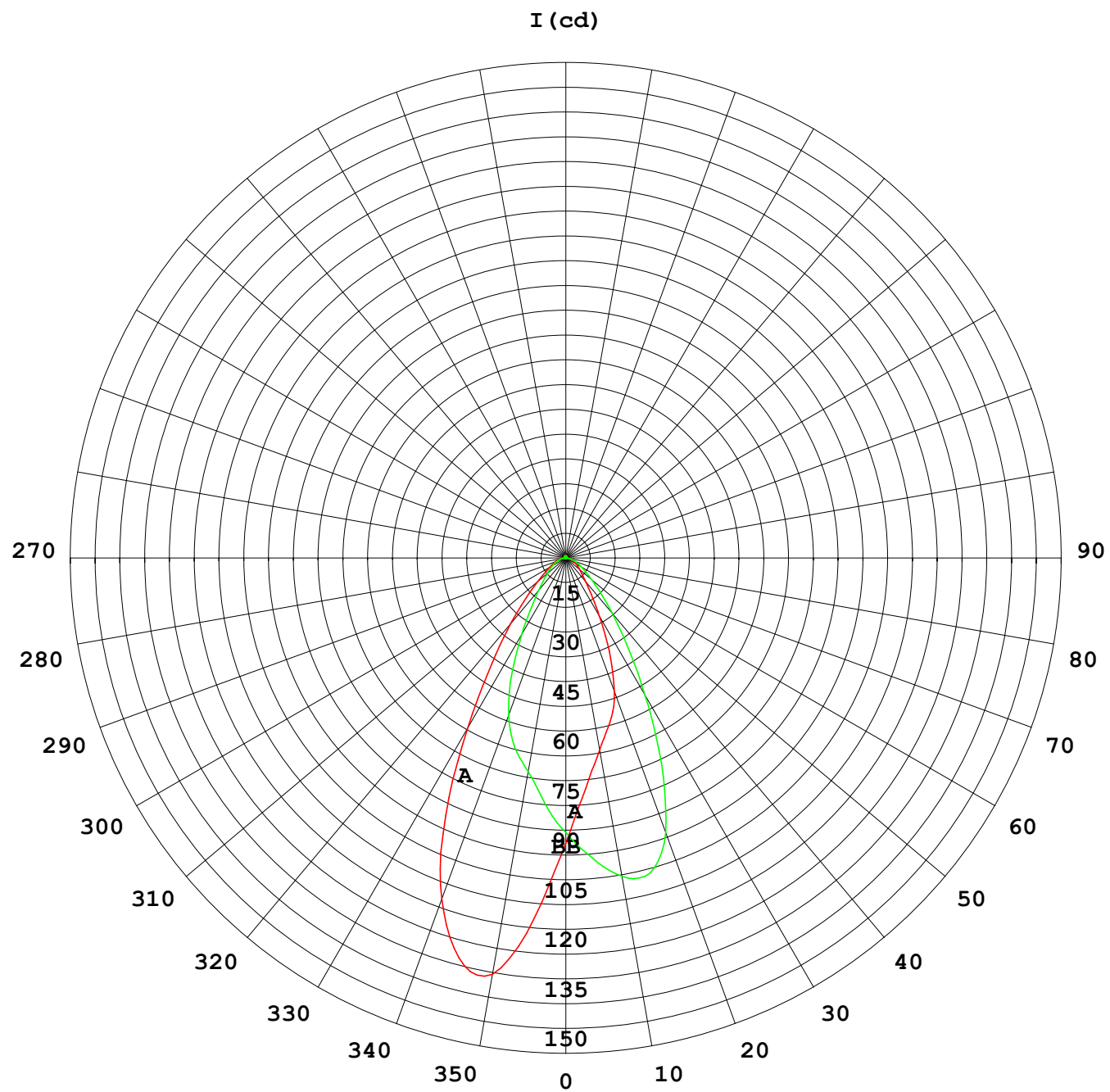
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	62.32	63.68
36.0	53.92	54.40
39.0	46.41	46.26
42.0	38.85	37.64
45.0	30.93	29.15
48.0	23.74	21.94
51.0	17.71	16.20
54.0	13.04	12.01
57.0	9.836	8.988
60.0	7.561	6.945
63.0	5.970	5.572
66.0	4.776	4.536
69.0	3.877	3.756
72.0	3.098	3.068
75.0	2.430	2.510
78.0	1.853	1.997
81.0	1.340	1.549
84.0	0.8779	1.117
87.0	0.4763	0.7299
90.0	0.1804	0.4279
93.0	0.0804	0.2164
96.0	0.0805	0.1209
99.0	0.0855	0.1057
102.0	0.1006	0.1056
105.0	0.1106	0.1056
108.0	0.1307	0.1105
111.0	0.1458	0.1357
114.0	0.1609	0.1424
117.0	0.1811	0.1449
120.0	0.2062	0.1558
123.0	0.2313	0.1860
126.0	0.2614	0.2010
129.0	0.2966	0.2310
132.0	0.3218	0.2762
135.0	0.3619	0.2914
138.0	0.3921	0.3365
141.0	0.4372	0.3618
144.0	0.4725	0.3970
147.0	0.5027	0.4422
150.0	0.5379	0.4773
153.0	0.5680	0.5244
156.0	0.5881	0.5427
159.0	0.6182	0.5579
162.0	0.6385	0.5970
165.0	0.6584	0.6090
168.0	0.6786	0.6281
171.0	0.6950	0.6632
174.0	0.6993	0.6784
177.0	0.7036	0.6785
180.0	0.7036	0.6986

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-07-26

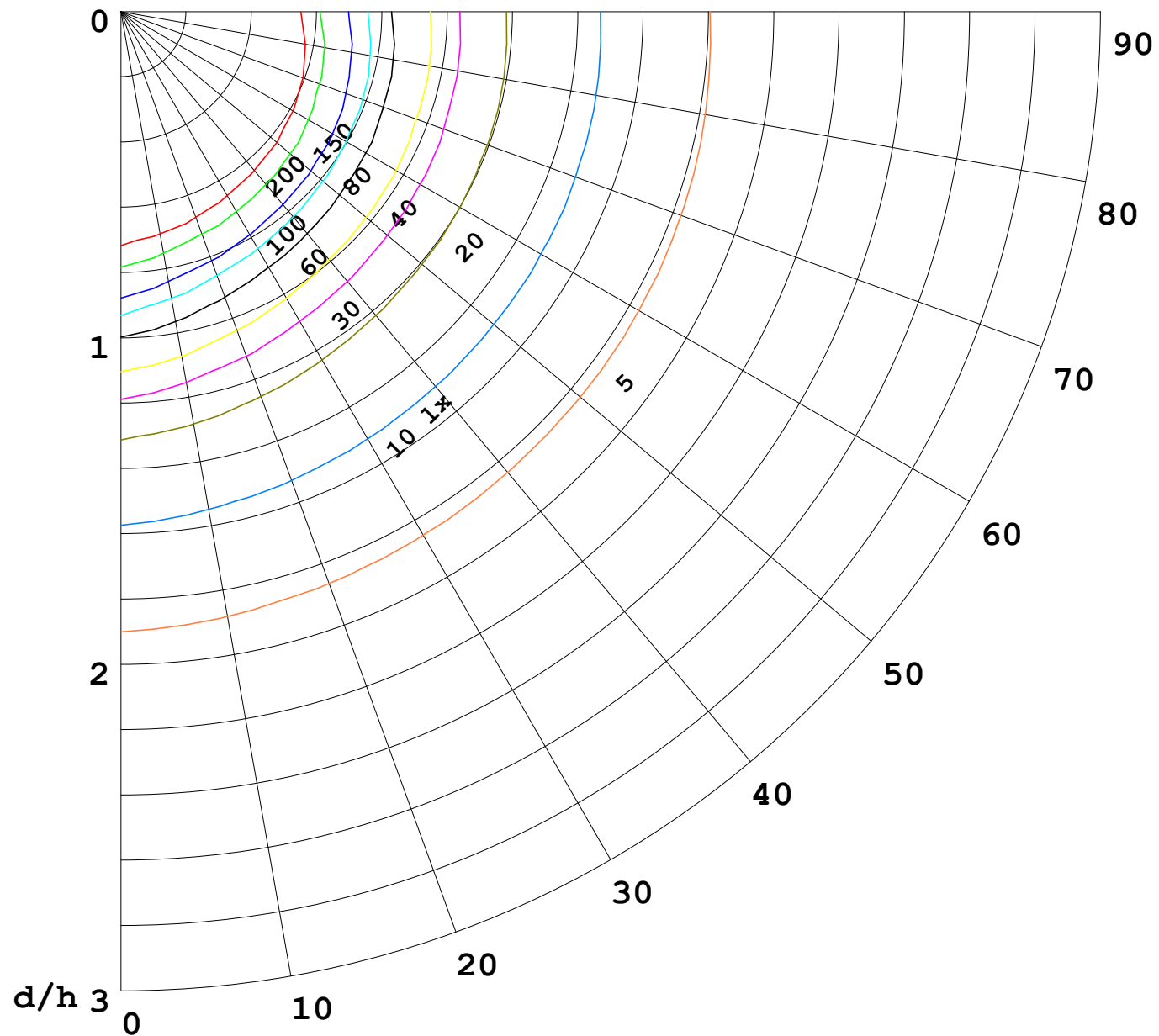
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:





1000 lm

$\kappa = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

