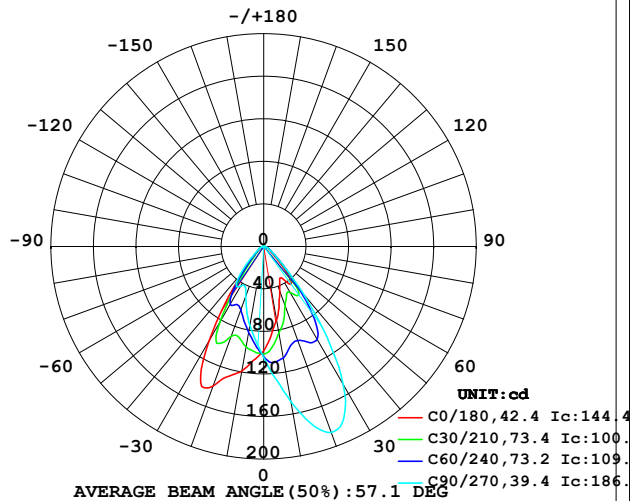


## LUMINAIRE PHOTOMETRIC TEST REPORT

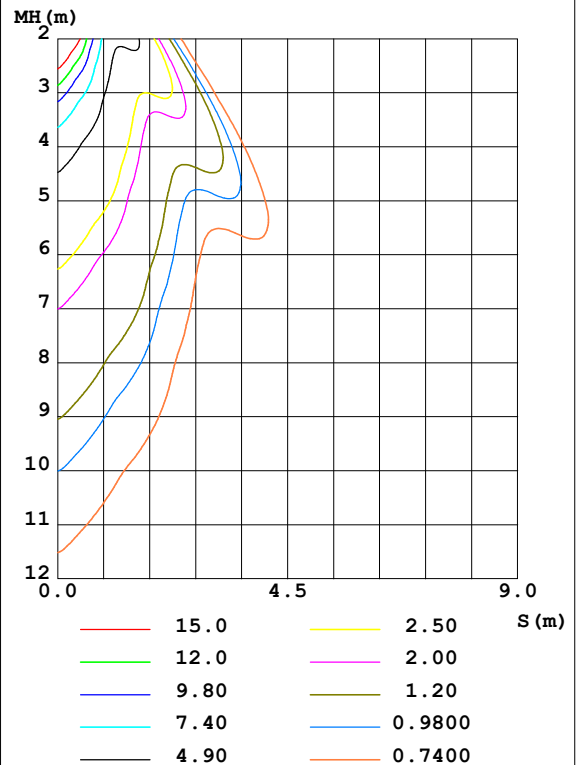
Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 24.01 lm/W			
MODEL	3535	I <sub>max</sub> (cd)	262.9	S/MH (C0/180)	1.04
NOMINAL POWER(W)	23	LOR(%)	100.0	S/MH (C90/270)	0.58
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	160.95	η UP,DN(C0-180)	1.6,60.1
NOMINAL FLUX(lm)	160.93	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,37.0
LAMPS INSIDE	1	η up (%)	2.9	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down (%)	97.1	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	70.23	94.56	148.2	173.9	118.9	88.94	75.51	70.90	0- 10	9.907	9.907	6.16, 6.16
20	44.72	76.53	186.2	245.8	139.6	76.74	49.41	44.82	10- 20	30.93	40.83	25.4, 25.4
30	34.66	75.59	149.5	134.5	103.0	73.23	43.12	34.57	20- 30	44.61	85.44	53.1, 53.1
40	37.01	49.01	57.56	46.39	26.00	24.55	34.49	37.87	30- 40	37.52	123.0	76.4, 76.4
50	11.84	15.63	16.04	13.13	8.778	8.703	12.09	14.12	40- 50	17.76	140.7	87.4, 87.4
60	6.014	6.773	7.343	6.087	4.675	4.721	5.556	6.548	50- 60	7.698	148.4	92.2, 92.2
70	3.626	3.694	3.722	3.159	2.450	2.470	2.997	3.613	60- 70	4.434	152.9	95, 95
80	1.896	1.812	1.582	1.453	0.9686	0.9547	1.162	1.603	70- 80	2.390	155.3	96.5, 96.5
90	0.7799	0.6936	0.5981	0.7807	0.3738	0.3196	0.2080	0.4308	80- 90	0.9676	156.2	97.1, 97.1
100	0.5720	0.5964	0.6483	0.7725	0.3670	0.3568	0.2814	0.3328	90-100	0.5368	156.8	97.4, 97.4
110	0.6020	0.6126	0.6734	0.7645	0.4323	0.4725	0.4673	0.4976	100-110	0.5635	157.3	97.7, 97.8
120	0.7084	0.6860	0.7237	0.7593	0.5379	0.6132	0.6833	0.7111	110-120	0.6196	157.9	98.1, 98.1
130	0.9346	0.8142	0.7942	0.7857	0.6685	0.7840	0.8392	0.8720	120-130	0.6691	158.6	98.5, 98.6
140	1.134	0.9876	0.9048	0.8724	0.8294	0.9423	0.9947	0.9951	130-140	0.6829	159.3	99, 99
150	1.256	1.136	1.071	1.033	0.9903	1.066	1.075	1.048	140-150	0.6381	159.9	99.4, 99.4
160	1.261	1.259	1.262	1.254	1.151	1.211	1.206	1.116	150-160	0.5272	160.5	99.7, 99.7
170	1.263	1.332	1.422	1.416	1.239	1.319	1.357	1.307	160-170	0.3607	160.8	99.9, 99.9
180	1.266	1.367	1.432	1.455	1.241	1.380	1.442	1.450	170-180	0.1300	161.0	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 133.99 lm

%lum = 83.3%

%lamp = 83.3%

Conical surface Flux(120deg): 148.43 lm

%lum = 92.2%

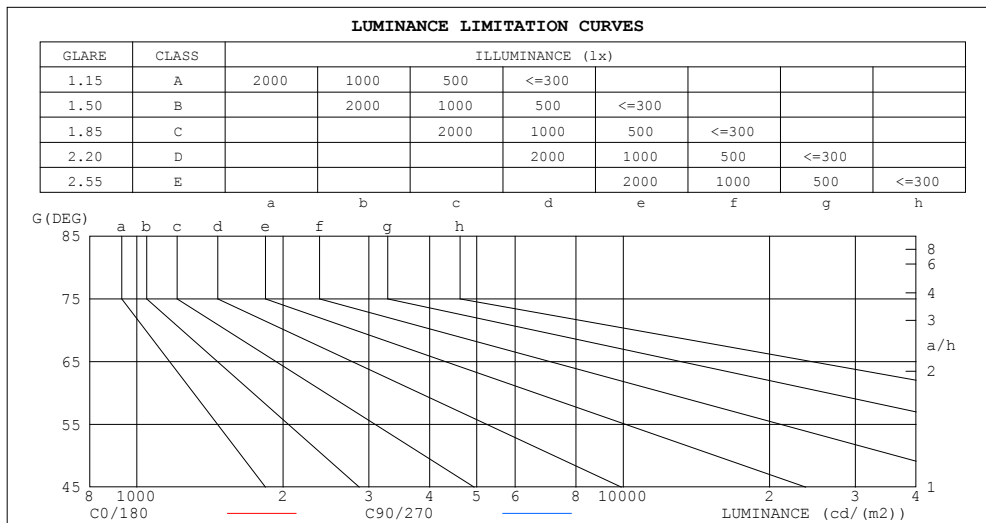
%lamp = 92.2%

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:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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	145	100
80	109	91
75	104	98
70	106	109
65	112	124
60	120	147
55	137	183
50	184	250
45	298	405

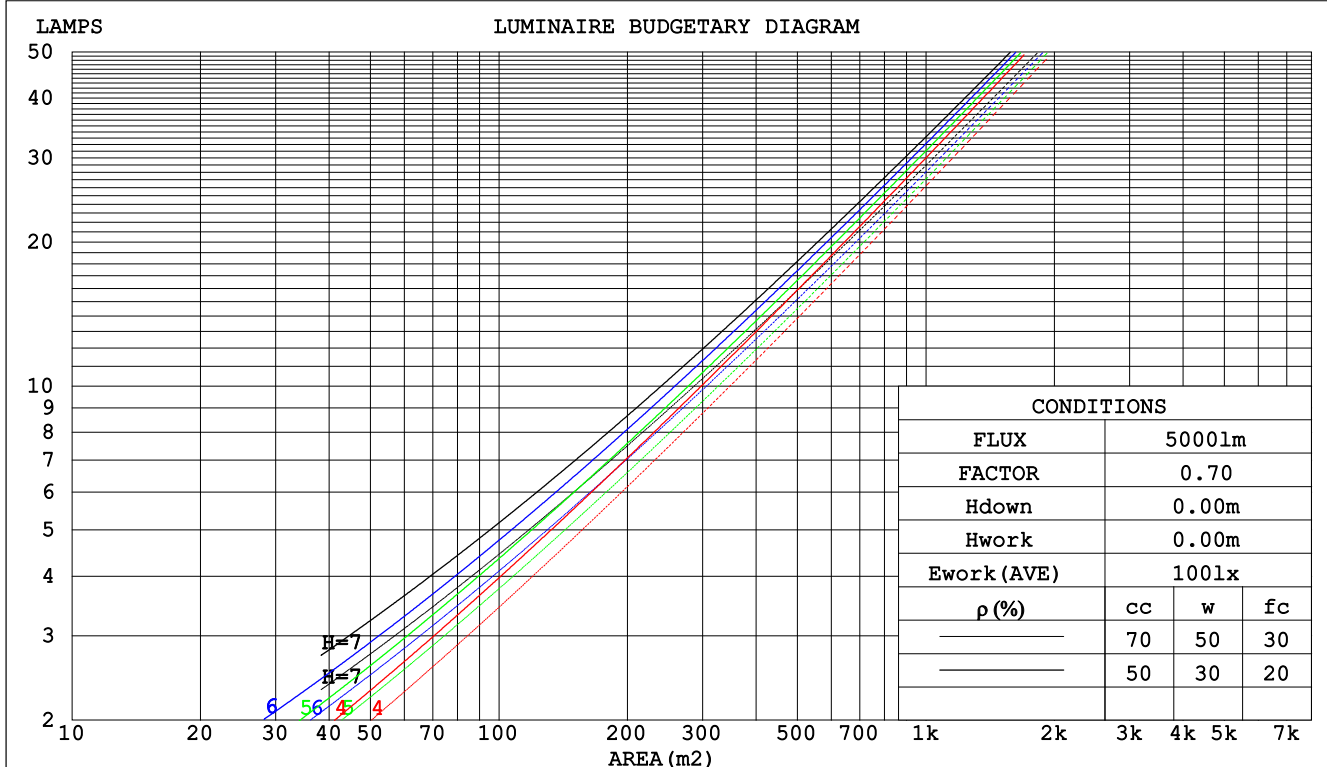
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

$\gamma$  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:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.93	.93	.91	.90	.88
2.0	.99	.94	.90	.97	.92	.88	.93	.89	.86	.89	.86	.84	.86	.84	.81	.79
3.0	.90	.84	.79	.89	.83	.79	.85	.81	.77	.82	.79	.75	.80	.77	.74	.72
4.0	.83	.76	.71	.81	.75	.71	.79	.74	.69	.76	.72	.68	.74	.70	.67	.65
5.0	.76	.69	.64	.75	.69	.64	.73	.67	.63	.71	.66	.62	.69	.65	.61	.60
6.0	.71	.64	.59	.70	.63	.58	.68	.62	.58	.66	.61	.57	.64	.60	.56	.55
7.0	.65	.58	.54	.65	.58	.53	.63	.57	.53	.61	.56	.52	.60	.55	.52	.50
8.0	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.56	.51	.48	.46
9.0	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.48	.45	.53	.48	.44	.43
10.0	.53	.47	.42	.53	.46	.42	.51	.46	.42	.50	.45	.41	.49	.45	.41	.40



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:

## WEC AND CCEC

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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	.217	.124	.039	.210	.120	.038	.195	.112	.036	.182	.105	.034	.170	.098	.032		
2.0	.207	.114	.035	.201	.110	.034	.188	.105	.032	.177	.099	.031	.166	.094	.030		
3.0	.196	.104	.031	.190	.102	.031	.179	.097	.030	.169	.093	.028	.160	.089	.027		
4.0	.185	.096	.028	.180	.094	.028	.171	.090	.027	.162	.087	.026	.153	.083	.025		
5.0	.175	.089	.026	.171	.088	.026	.162	.084	.025	.154	.081	.024	.147	.078	.024		
6.0	.166	.083	.024	.162	.082	.024	.154	.079	.023	.147	.076	.022	.141	.074	.022		
7.0	.157	.078	.022	.154	.077	.022	.147	.074	.021	.141	.072	.021	.135	.070	.021		
8.0	.150	.073	.021	.146	.072	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019		
9.0	.142	.069	.019	.139	.068	.019	.134	.066	.019	.129	.064	.018	.124	.063	.018		
10.0	.136	.065	.018	.133	.064	.018	.128	.063	.018	.123	.061	.017	.119	.060	.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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.196	.180	.164	.168	.154	.141	.115	.106	.098	.066	.061	.057	.021	.020	.018	
2.0	.184	.155	.131	.157	.133	.113	.108	.092	.079	.062	.054	.046	.020	.017	.015	
3.0	.173	.137	.108	.148	.118	.093	.102	.082	.065	.059	.048	.039	.019	.016	.013	
4.0	.164	.123	.091	.141	.106	.079	.097	.074	.056	.056	.043	.033	.018	.014	.011	
5.0	.156	.111	.078	.134	.096	.068	.092	.067	.048	.054	.040	.029	.017	.013	.009	
6.0	.149	.103	.069	.128	.089	.060	.088	.062	.043	.051	.037	.025	.017	.012	.008	
7.0	.143	.095	.062	.123	.083	.054	.085	.058	.038	.049	.034	.023	.016	.011	.008	
8.0	.137	.089	.057	.118	.078	.049	.082	.054	.035	.048	.032	.021	.015	.011	.007	
9.0	.132	.084	.052	.114	.073	.046	.079	.051	.032	.046	.030	.019	.015	.010	.006	
10.0	.127	.080	.049	.110	.070	.043	.076	.049	.030	.044	.029	.018	.014	.010	.006	

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:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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	11.4	12.5	11.6	12.7	12.9	13.5	14.7	13.8	14.9	15.1
	3H	11.7	12.7	12.0	13.0	13.3	13.7	14.7	14.0	15.0
	4H	11.9	12.9	12.3	13.2	13.5	13.8	14.7	14.1	15.0
	6H	12.2	13.1	12.5	13.4	13.7	13.8	14.7	14.2	15.0
	8H	12.3	13.1	12.6	13.4	13.8	13.8	14.7	14.2	15.0
	12H	12.4	13.2	12.8	13.5	13.9	13.8	14.7	14.2	15.0
4H	2H	11.4	12.4	11.7	12.7	12.9	13.4	14.4	13.8	14.7
	3H	12.0	12.8	12.3	13.1	13.5	13.7	14.5	14.1	14.9
	4H	12.3	13.0	12.7	13.4	13.8	13.9	14.6	14.3	15.0
	6H	12.6	13.3	13.1	13.7	14.1	14.0	14.7	14.4	15.0
	8H	12.8	13.4	13.3	13.9	14.3	14.1	14.7	14.5	15.1
	12H	13.0	13.6	13.5	14.0	14.5	14.1	14.7	14.6	15.1
8H	4H	12.4	13.0	12.8	13.4	13.8	13.9	14.5	14.3	14.9
	6H	12.9	13.4	13.3	13.8	14.3	14.1	14.6	14.6	15.0
	8H	13.2	13.6	13.7	14.1	14.6	14.2	14.7	14.7	15.1
	12H	13.5	13.9	14.0	14.4	14.9	14.3	14.7	14.9	15.2
12H	4H	12.4	12.9	12.8	13.3	13.8	13.8	14.4	14.3	14.8
	6H	12.9	13.3	13.4	13.8	14.3	14.1	14.5	14.6	15.0
	8H	13.2	13.6	13.8	14.1	14.6	14.3	14.6	14.8	15.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.6					+ 2.1 / - 2.4				
1.5H	+ 1.9 / - 1.6					+ 3.6 / - 2.2				
2.0H	+ 1.9 / - 0.9					+ 2.6 / - 1.2				

CIE Pub.117, 160.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.3)

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:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

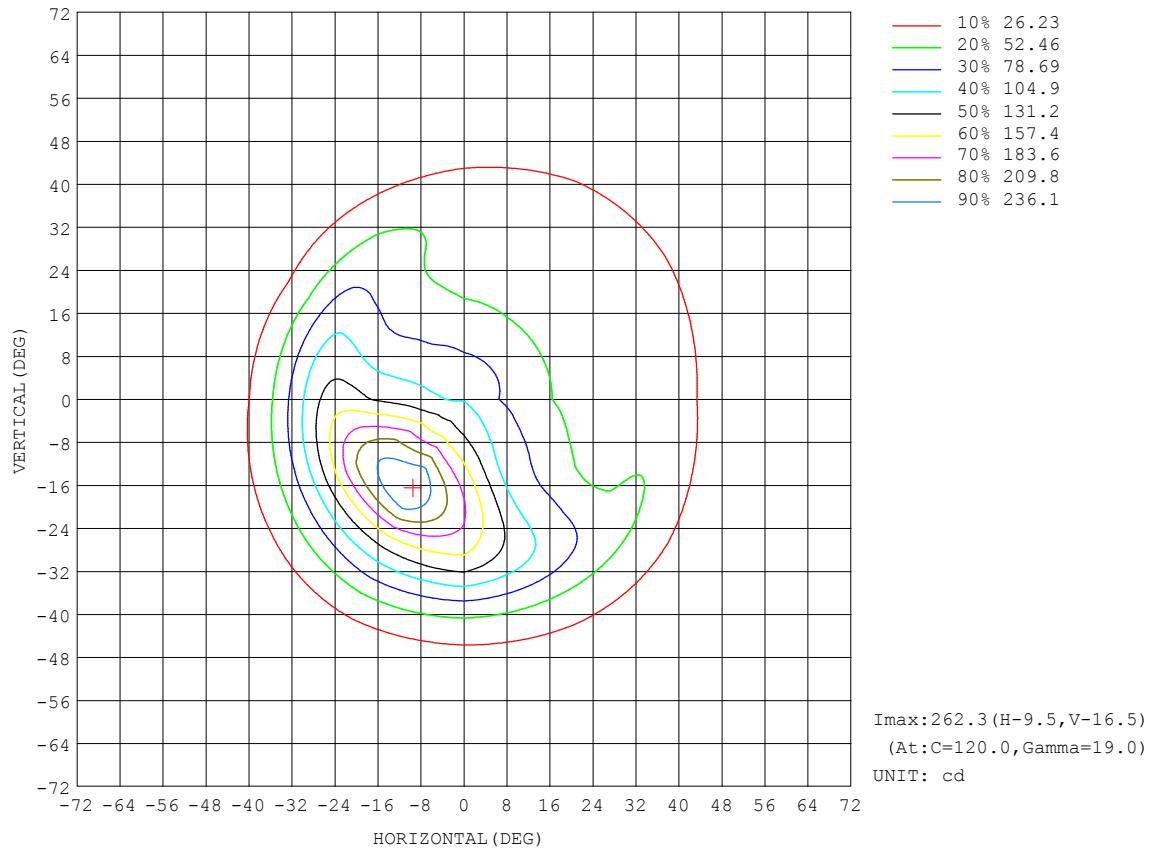
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	64	76	69	64	75	68	64	59
0.80	85	78	73	84	77	73	83	76	72	67
1.00	91	84	79	90	83	79	88	83	78	73
1.25	96	90	85	95	89	84	93	87	83	78
1.50	100	93	89	98	93	88	95	91	87	81
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	100	97	94	87
3.00	108	104	100	106	102	99	102	99	96	89
4.00	111	107	104	108	105	102	104	101	99	91
5.00	112	109	107	110	107	105	105	103	101	92
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



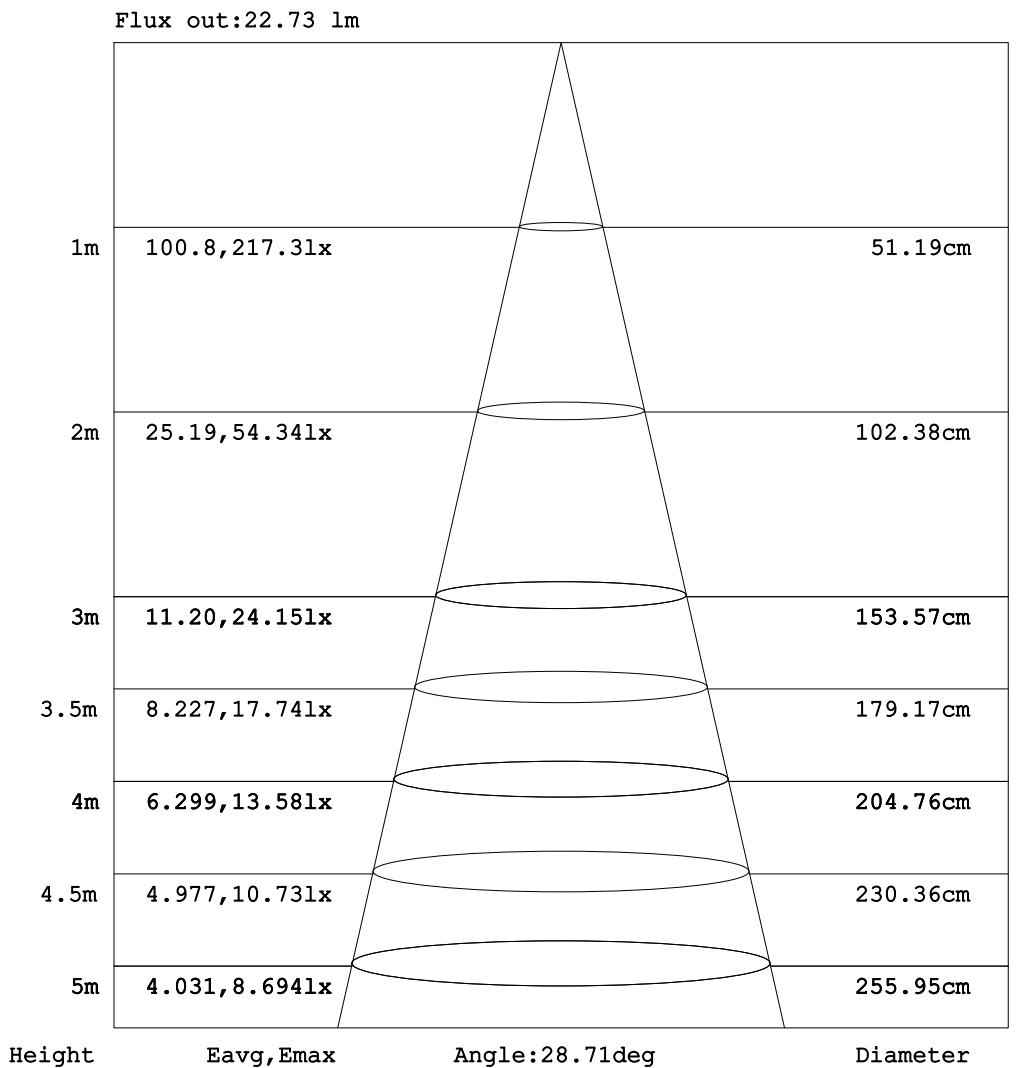
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-07-26

$\gamma$  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:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



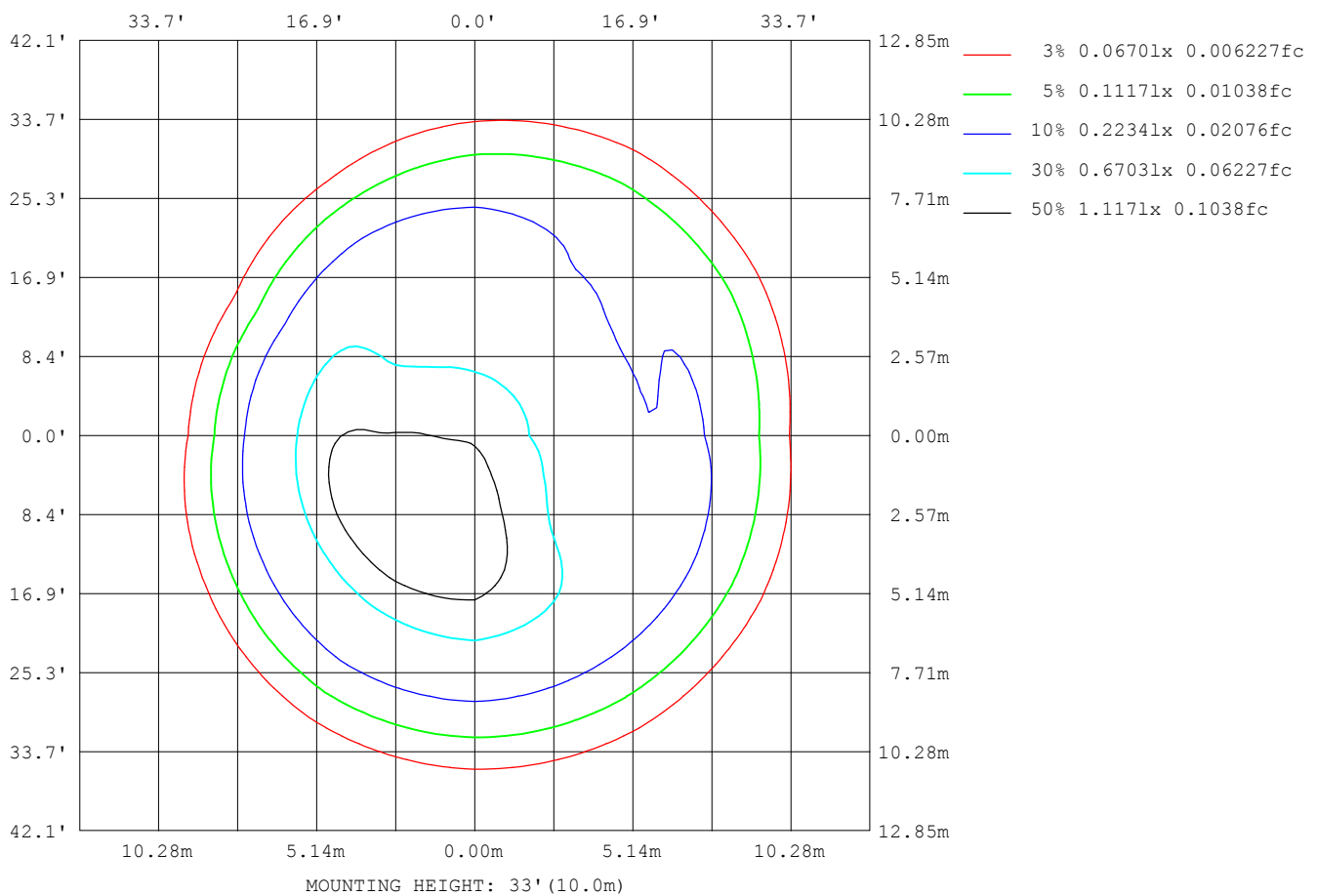
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 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:

## ISOLUX DIAGRAM

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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:

## LED Avg.L Report

Test:U:24.00V I:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

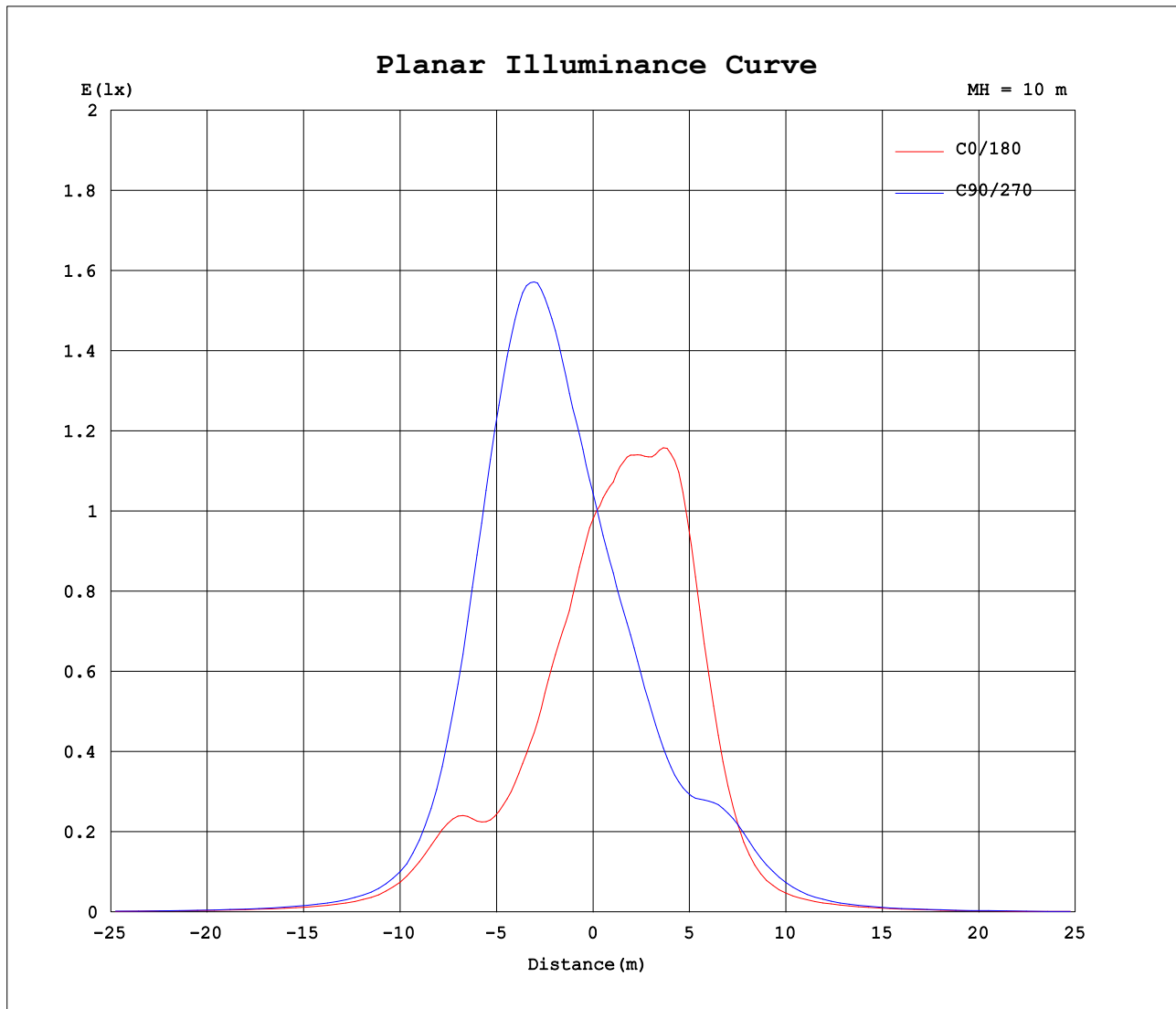
AvgL	cd/m2
L_0~180 (65) av	97
L_0~180 (75) av	83
L_0~180 (85) av	101
L_90~270 (65) av	111
L_90~270 (75) av	87
L_90~270 (85) av	81
L_45 (65) av	106
L_45 (75) av	87
L_45 (85) av	100

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:0.2793A P:6.703W PF:1.000 Freq:0Hz Lamp Flux:160.93x1 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	98.1	101	104	104	106	106	98.1	101	104	104	106	106							
5	83.5	94.7	110	124	133	127	107	99.5	93.0	88.6	88.0	87.3							
10	70.2	82.5	107	148	181	167	119	95.6	82.3	75.5	71.8	70.0							
15	56.4	72.5	97.1	172	241	212	126	89.1	72.2	62.1	57.3	56.8							
20	44.7	59.0	94.1	186	262	230	140	90.2	63.3	49.4	45.7	43.9							
25	35.8	50.9	99.4	178	213	191	141	101	60.3	41.7	37.9	35.8							
30	34.7	50.3	101	149	143	126	103	83.5	63.0	43.1	35.9	33.2							
35	43.6	56.3	83.0	103	95.4	75.0	57.2	45.3	49.4	45.0	39.0	39.9							
40	37.0	46.3	51.8	57.6	54.0	38.7	26.0	21.1	28.0	34.5	36.9	38.9							
45	21.1	26.9	28.8	28.7	26.2	19.2	13.4	12.0	15.1	20.8	25.4	25.5							
50	11.8	14.7	16.5	16.0	14.7	11.6	8.78	8.17	9.24	12.1	14.2	14.0							
55	7.85	9.18	10.1	10.5	9.48	7.85	6.35	6.10	6.51	7.76	8.84	9.01							
60	6.01	6.52	7.03	7.34	6.54	5.64	4.68	4.59	4.86	5.56	6.27	6.83							
65	4.73	4.92	5.11	5.23	4.67	4.10	3.43	3.38	3.59	4.14	4.68	5.22							
70	3.63	3.66	3.73	3.72	3.34	2.97	2.45	2.40	2.54	3.00	3.41	3.82							
75	2.69	2.66	2.65	2.54	2.31	2.10	1.63	1.59	1.65	1.98	2.36	2.66							
80	1.90	1.85	1.78	1.58	1.50	1.40	0.97	0.96	0.95	1.16	1.48	1.73							
85	1.26	1.21	1.10	0.87	0.93	0.92	0.50	0.51	0.45	0.54	0.77	1.03							
90	0.78	0.72	0.66	0.60	0.72	0.84	0.37	0.33	0.31	0.21	0.36	0.50							
95	0.58	0.60	0.60	0.63	0.72	0.83	0.33	0.33	0.32	0.22	0.29	0.30							
100	0.57	0.59	0.60	0.65	0.72	0.83	0.37	0.34	0.37	0.28	0.36	0.31							
105	0.59	0.59	0.61	0.66	0.72	0.82	0.39	0.37	0.43	0.38	0.44	0.36							
110	0.60	0.62	0.61	0.67	0.72	0.81	0.43	0.43	0.51	0.47	0.54	0.46							
115	0.63	0.66	0.61	0.69	0.72	0.80	0.49	0.52	0.59	0.58	0.64	0.58							
120	0.71	0.71	0.66	0.72	0.72	0.80	0.54	0.56	0.67	0.68	0.75	0.67							
125	0.83	0.79	0.70	0.75	0.72	0.80	0.60	0.64	0.76	0.75	0.83	0.76							
130	0.93	0.87	0.76	0.79	0.75	0.82	0.67	0.72	0.84	0.84	0.91	0.83							
135	1.05	0.98	0.83	0.84	0.77	0.86	0.74	0.82	0.92	0.91	0.98	0.91							
140	1.13	1.06	0.91	0.90	0.83	0.91	0.83	0.89	1.00	0.99	1.03	0.96							
145	1.20	1.14	1.00	0.99	0.91	0.99	0.91	0.96	1.06	1.02	1.06	1.00							
150	1.26	1.20	1.08	1.07	1.00	1.07	0.99	1.02	1.12	1.08	1.08	1.02							
155	1.26	1.23	1.17	1.16	1.11	1.17	1.07	1.09	1.18	1.12	1.11	1.03							
160	1.26	1.28	1.24	1.26	1.22	1.29	1.15	1.17	1.25	1.21	1.16	1.07							
165	1.26	1.31	1.32	1.35	1.32	1.40	1.21	1.24	1.32	1.29	1.27	1.13							
170	1.26	1.32	1.35	1.42	1.40	1.43	1.24	1.26	1.38	1.36	1.37	1.25							
175	1.27	1.32	1.40	1.43	1.44	1.44	1.24	1.32	1.42	1.41	1.45	1.37							
180	1.27	1.33	1.41	1.43	1.47	1.44	1.24	1.33	1.43	1.44	1.45	1.45							

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	98.13	101.4	103.7	104.5	105.9	105.7	98.13	101.4	103.7	104.5
3.0	89.80	98.80	108.8	116.0	119.9	117.0	103.8	100.6	97.20	94.32
6.0	80.25	92.44	109.3	127.9	140.7	133.4	109.1	98.82	90.63	86.01
9.0	72.51	84.79	107.2	142.8	168.7	157.9	116.6	96.85	84.26	77.88
12.0	65.40	79.26	103.2	158.2	205.9	186.3	121.8	93.21	78.08	70.43
15.0	56.44	72.52	97.06	172.3	241.2	212.0	126.2	89.09	72.24	62.09
18.0	49.09	64.09	94.19	182.5	261.5	229.2	132.8	87.68	66.60	54.28
21.0	42.58	56.96	94.41	186.2	257.0	226.4	142.1	92.73	62.18	47.32
24.0	37.06	52.54	97.95	181.8	226.6	203.1	143.9	99.49	60.25	42.67
27.0	33.76	48.73	101.4	169.6	182.6	163.2	129.3	99.33	61.94	41.03
30.0	34.66	50.25	100.9	149.5	143.4	125.7	103.0	83.51	62.95	43.12
33.0	40.51	54.70	93.29	123.1	112.9	93.25	74.82	60.63	57.18	45.42
36.0	43.86	56.28	77.24	93.63	87.02	66.36	49.41	38.66	44.87	44.04
39.0	39.77	49.97	58.25	65.18	61.97	44.77	30.52	24.44	31.82	37.53
42.0	30.72	38.02	40.86	43.85	40.29	28.83	19.37	16.38	21.79	28.68
45.0	21.11	26.94	28.83	28.67	26.24	19.21	13.44	12.00	15.12	20.85
48.0	14.54	18.56	20.43	19.86	18.10	13.96	10.24	9.303	11.05	14.84
51.0	10.72	13.29	14.85	14.65	13.37	10.71	8.225	7.659	8.546	10.92
54.0	8.386	9.920	11.14	11.35	10.28	8.494	6.731	6.456	6.926	8.424
57.0	6.930	7.896	8.652	9.096	8.103	6.892	5.610	5.465	5.776	6.758
60.0	6.014	6.520	7.026	7.343	6.538	5.635	4.675	4.586	4.856	5.556
63.0	5.220	5.485	5.794	5.977	5.332	4.651	3.897	3.842	4.063	4.646
66.0	4.486	4.637	4.808	4.893	4.371	3.853	3.199	3.168	3.350	3.872
69.0	3.827	3.888	3.978	3.988	3.581	3.175	2.631	2.580	2.742	3.188
72.0	3.229	3.230	3.270	3.209	2.908	2.602	2.114	2.057	2.164	2.560
75.0	2.686	2.662	2.651	2.536	2.314	2.105	1.632	1.594	1.647	1.982
78.0	2.203	2.155	2.103	1.938	1.791	1.657	1.230	1.197	1.220	1.474
81.0	1.760	1.708	1.620	1.426	1.368	1.296	0.8484	0.8502	0.8329	1.026
84.0	1.379	1.316	1.223	0.9939	1.017	0.9994	0.5670	0.5838	0.5267	0.6393
87.0	1.047	0.9843	0.8907	0.6629	0.7797	0.8474	0.4208	0.3925	0.3553	0.3276
90.0	0.7799	0.7232	0.6641	0.5981	0.7188	0.8425	0.3738	0.3317	0.3075	0.2080
93.0	0.6236	0.6054	0.6032	0.6182	0.7187	0.8377	0.3267	0.3300	0.3017	0.2128
96.0	0.5680	0.5979	0.6039	0.6383	0.7187	0.8328	0.3368	0.3350	0.3318	0.2261
99.0	0.5690	0.5905	0.6045	0.6433	0.7187	0.8280	0.3569	0.3400	0.3620	0.2764
102.0	0.5780	0.5831	0.6052	0.6533	0.7187	0.8231	0.3770	0.3569	0.4022	0.3315
105.0	0.5870	0.5906	0.6058	0.6585	0.7187	0.8183	0.3921	0.3718	0.4325	0.3768
108.0	0.5960	0.5982	0.6065	0.6634	0.7187	0.8134	0.4122	0.4169	0.4826	0.4371
111.0	0.6051	0.6232	0.6072	0.6735	0.7187	0.8086	0.4424	0.4472	0.5278	0.5023
114.0	0.6181	0.6484	0.6078	0.6856	0.7187	0.8038	0.4776	0.4824	0.5681	0.5476
117.0	0.6681	0.6735	0.6281	0.7037	0.7187	0.7989	0.5028	0.5226	0.6184	0.6030
120.0	0.7084	0.7087	0.6632	0.7237	0.7187	0.8000	0.5379	0.5578	0.6686	0.6833
123.0	0.7789	0.7490	0.6836	0.7338	0.7187	0.8041	0.5681	0.6030	0.7289	0.7236
126.0	0.8392	0.8092	0.7086	0.7639	0.7187	0.8091	0.6133	0.6632	0.7792	0.7738
129.0	0.9195	0.8645	0.7588	0.7891	0.7487	0.8242	0.6535	0.7035	0.8294	0.8241
132.0	0.9797	0.9098	0.7888	0.8092	0.7588	0.8443	0.6987	0.7538	0.8747	0.8694
135.0	1.050	0.9752	0.8342	0.8394	0.7689	0.8645	0.7440	0.8239	0.9248	0.9146
138.0	1.106	1.030	0.8744	0.8747	0.8040	0.8946	0.7993	0.8593	0.9701	0.9448
141.0	1.147	1.076	0.9196	0.9198	0.8432	0.9249	0.8445	0.9144	1.005	1.000
144.0	1.186	1.136	0.9897	0.9651	0.8844	0.9651	0.8948	0.9447	1.045	1.010
147.0	1.246	1.166	1.025	1.015	0.9395	1.015	0.9500	1.000	1.076	1.040
150.0	1.256	1.196	1.075	1.071	1.0000	1.066	0.9903	1.015	1.116	1.075
153.0	1.261	1.216	1.116	1.121	1.075	1.126	1.041	1.075	1.151	1.096
156.0	1.261	1.241	1.171	1.186	1.126	1.196	1.086	1.096	1.191	1.146
159.0	1.261	1.277	1.231	1.242	1.191	1.272	1.131	1.161	1.232	1.186
162.0	1.261	1.297	1.261	1.297	1.256	1.342	1.181	1.191	1.272	1.236
165.0	1.261	1.310	1.321	1.352	1.317	1.397	1.211	1.236	1.317	1.286
168.0	1.262	1.314	1.332	1.397	1.372	1.425	1.236	1.251	1.357	1.327
171.0	1.264	1.318	1.357	1.424	1.407	1.432	1.240	1.276	1.382	1.367
174.0	1.265	1.322	1.392	1.428	1.437	1.440	1.243	1.306	1.412	1.400
177.0	1.266	1.327	1.407	1.432	1.457	1.447	1.246	1.327	1.427	1.427
180.0	1.266	1.327	1.407	1.432	1.468	1.442	1.241	1.332	1.427	1.442
G/C	300.0	330.0								
0.0	105.9	105.7								
3.0	95.22	94.56								
6.0	84.65	83.29								
9.0	75.01	73.13								
12.0	65.77	64.89								
15.0	57.28	56.81								
18.0	50.22	48.17								
21.0	43.84	41.89								
24.0	39.17	36.90								
27.0	35.72	33.62								
30.0	35.92	33.21								

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:

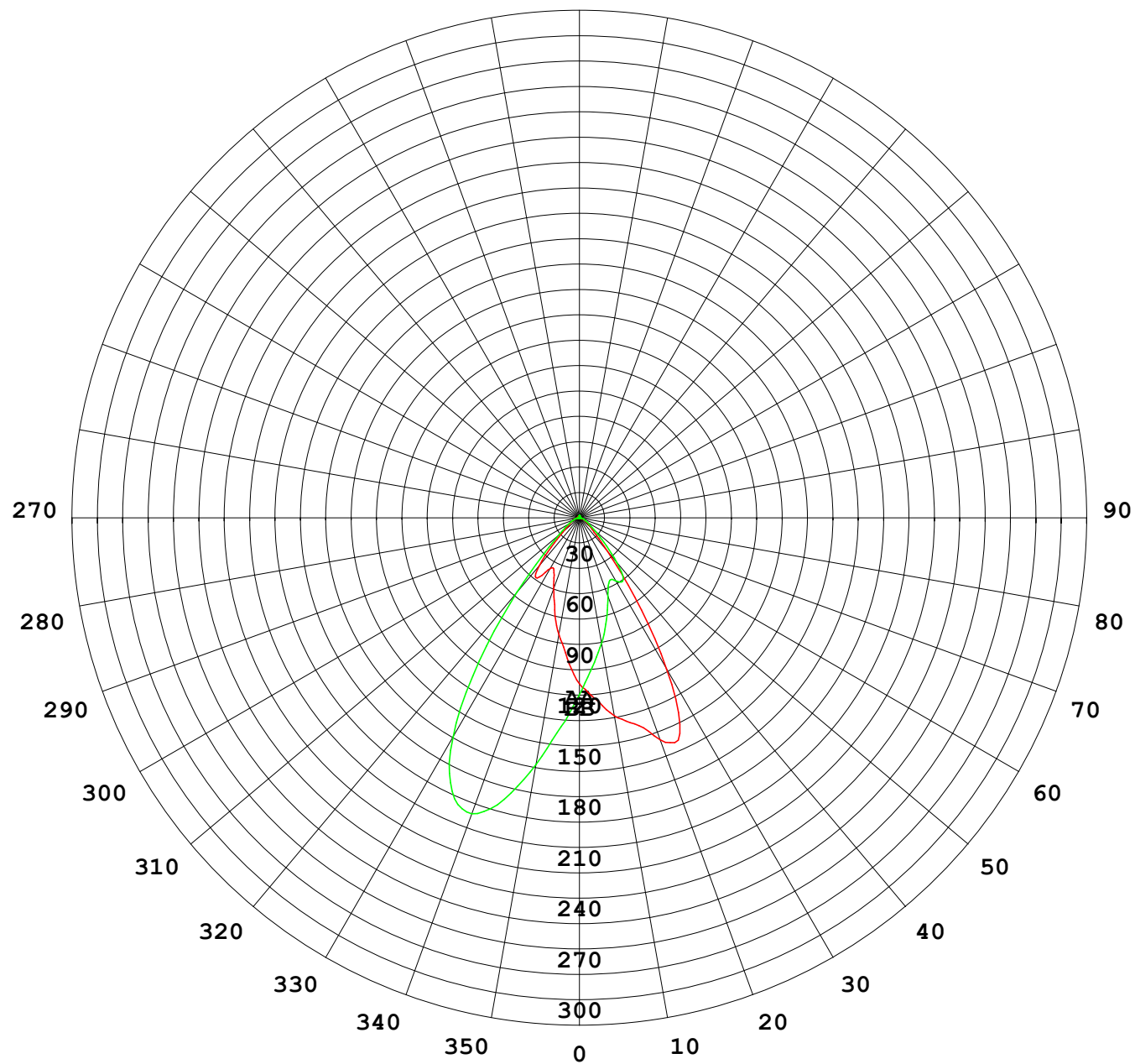
## Photometric Data Table [cd]

33.0	37.49	36.71
36.0	39.50	41.00
39.0	38.13	40.36
42.0	32.87	33.90
45.0	25.40	25.46
48.0	17.98	17.49
51.0	12.77	12.67
54.0	9.616	9.671
57.0	7.579	7.995
60.0	6.268	6.828
63.0	5.253	5.833
66.0	4.385	4.883
69.0	3.651	4.068
72.0	2.968	3.289
75.0	2.355	2.655
78.0	1.802	2.072
81.0	1.320	1.589
84.0	0.8981	1.147
87.0	0.5569	0.7750
90.0	0.3583	0.5032
93.0	0.3044	0.3320
96.0	0.3017	0.3031
99.0	0.3369	0.3073
102.0	0.3872	0.3115
105.0	0.4424	0.3618
108.0	0.5028	0.4319
111.0	0.5631	0.4823
114.0	0.6284	0.5476
117.0	0.6888	0.6179
120.0	0.7490	0.6733
123.0	0.8042	0.7436
126.0	0.8495	0.7789
129.0	0.8997	0.8291
132.0	0.9349	0.8643
135.0	0.9752	0.9146
138.0	1.010	0.9347
141.0	1.030	0.9724
144.0	1.055	0.9951
147.0	1.066	1.020
150.0	1.076	1.020
153.0	1.096	1.027
156.0	1.116	1.033
159.0	1.151	1.055
162.0	1.206	1.076
165.0	1.267	1.131
168.0	1.327	1.206
171.0	1.392	1.271
174.0	1.447	1.337
177.0	1.452	1.407
180.0	1.452	1.447

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:

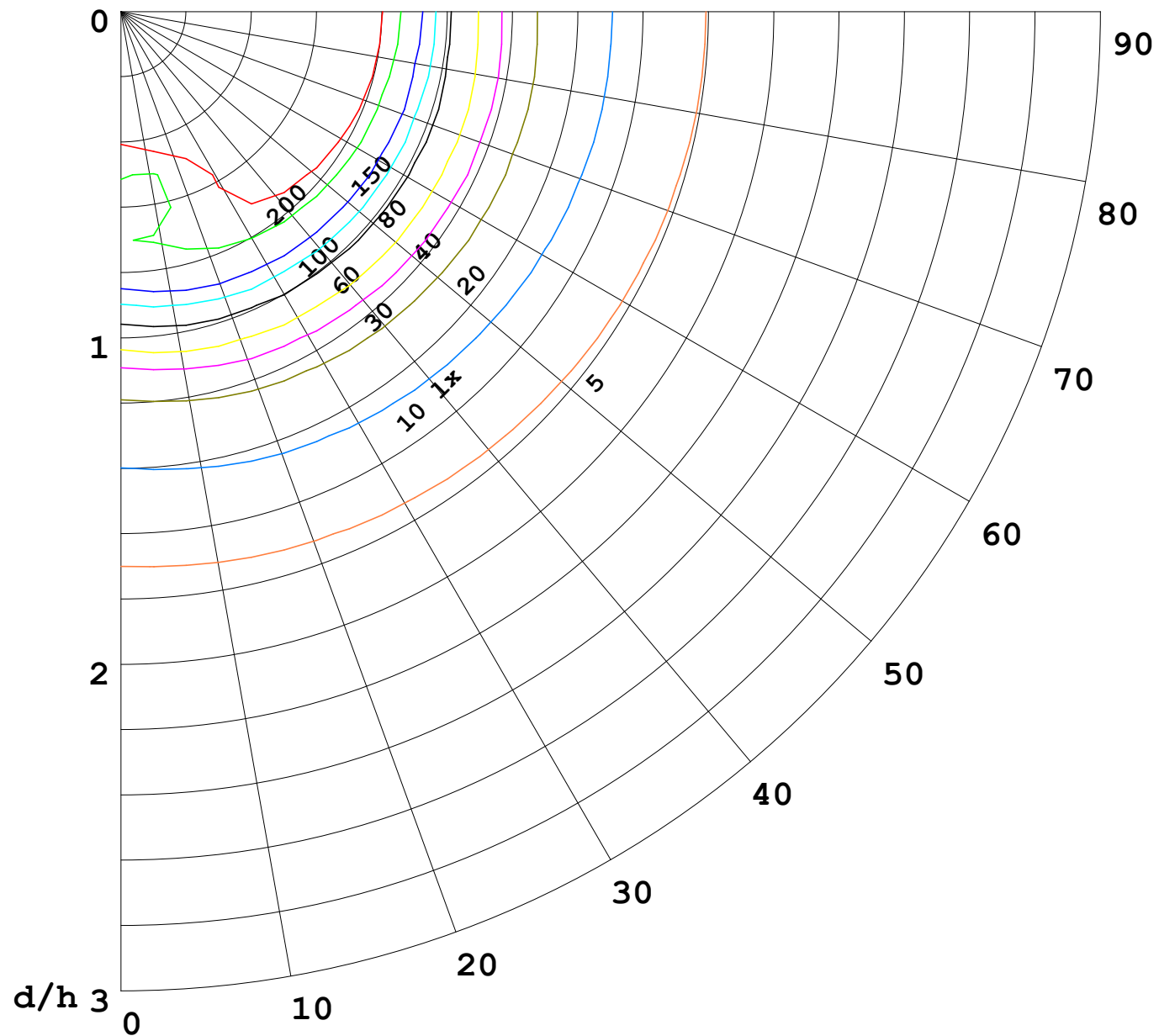
I (cd)





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

