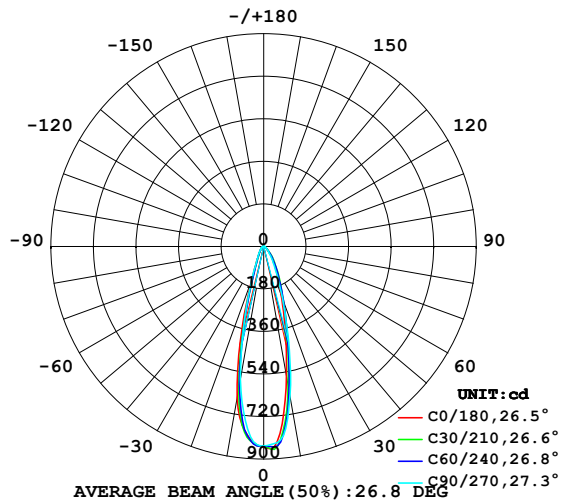


## LUMINAIRE PHOTOMETRIC TEST REPORT

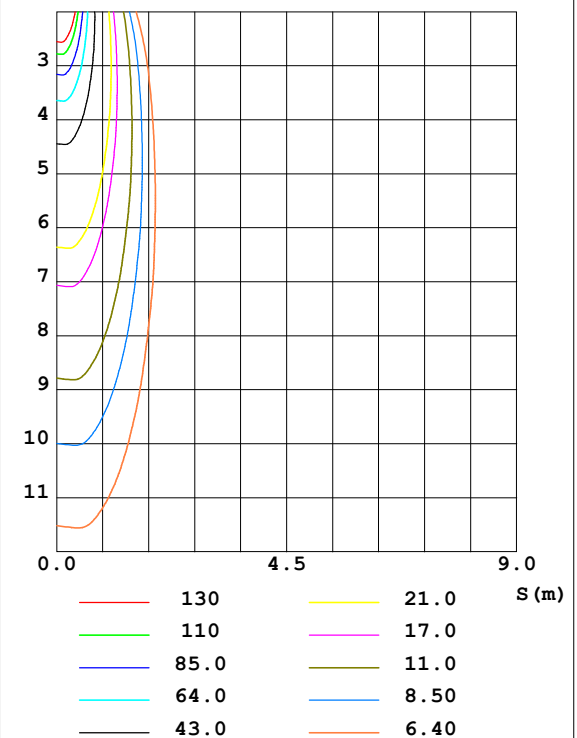
Test:U:24.00V I:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 43.98 lm/W
MODEL	3535	I <sub>max</sub> (cd)	859.8	S/MH (C0/180)	0.43	
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	0.49	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	302.55	η UP, DN (C0-180)	1.7, 53.6	
NOMINAL FLUX (lm)	302.548	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 43.3	
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	24.0	η down (%)	96.9	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



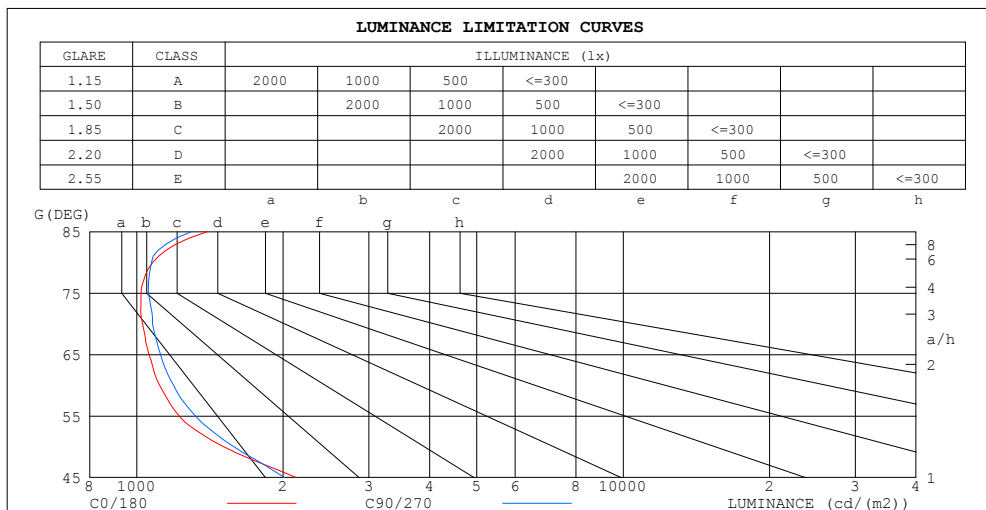
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-12-19

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 AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	557.6	610.9	643.9	640.1	648.3	601.2	569.8	556.6	0- 10	69.95	69.95	23.1,23.1
20	217.2	246.3	234.0	180.1	150.1	126.6	147.5	191.4	10- 20	97.53	167.5	55.4,55.4
30	94.93	108.4	85.75	54.69	46.29	44.28	48.96	67.54	20- 30	51.28	218.8	72.3,72.3
40	43.47	50.37	37.51	27.00	24.11	24.53	26.01	31.36	30- 40	29.98	248.7	82.2,82.2
50	17.94	21.35	18.82	15.45	13.67	14.79	14.88	16.09	40- 50	18.26	267.0	88.2,88.2
60	10.31	11.23	11.01	10.35	9.097	10.16	9.768	9.799	50- 60	11.66	278.7	92.1,92.1
70	6.502	6.851	6.822	6.468	5.318	5.668	5.572	5.613	60- 70	8.035	286.7	94.8,94.8
80	3.466	3.571	3.445	3.229	2.093	2.088	2.128	2.326	70- 80	4.618	291.3	96.3,96.3
90	1.368	1.370	1.327	1.289	0.3570	0.4072	0.4021	0.4124	80- 90	1.789	293.1	96.9,96.9
100	1.226	1.224	1.236	1.181	0.5481	0.5806	0.5326	0.5001	90-100	0.9370	294.0	97.2,97.2
110	1.161	1.181	1.191	1.153	0.8044	0.8544	0.7739	0.6911	100-110	0.9724	295.0	97.5,97.5
120	1.146	1.196	1.267	1.234	1.187	1.241	1.171	1.065	110-120	1.057	296.1	97.9,97.9
130	1.487	1.500	1.578	1.591	1.745	1.774	1.693	1.606	120-130	1.242	297.3	98.3,98.3
140	2.090	2.065	2.111	2.179	2.267	2.236	2.136	2.091	130-140	1.452	298.8	98.7,98.7
150	2.758	2.661	2.664	2.754	2.518	2.473	2.387	2.360	140-150	1.483	300.2	99.2,99.2
160	3.161	3.010	2.955	3.050	2.654	2.608	2.453	2.468	150-160	1.247	301.5	99.6,99.6
170	3.101	2.955	2.950	3.018	2.744	2.709	2.588	2.490	160-170	0.7959	302.3	99.9,99.9
180	2.860	2.900	2.910	2.772	2.824	2.877	2.865	2.767	170-180	0.2680	302.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



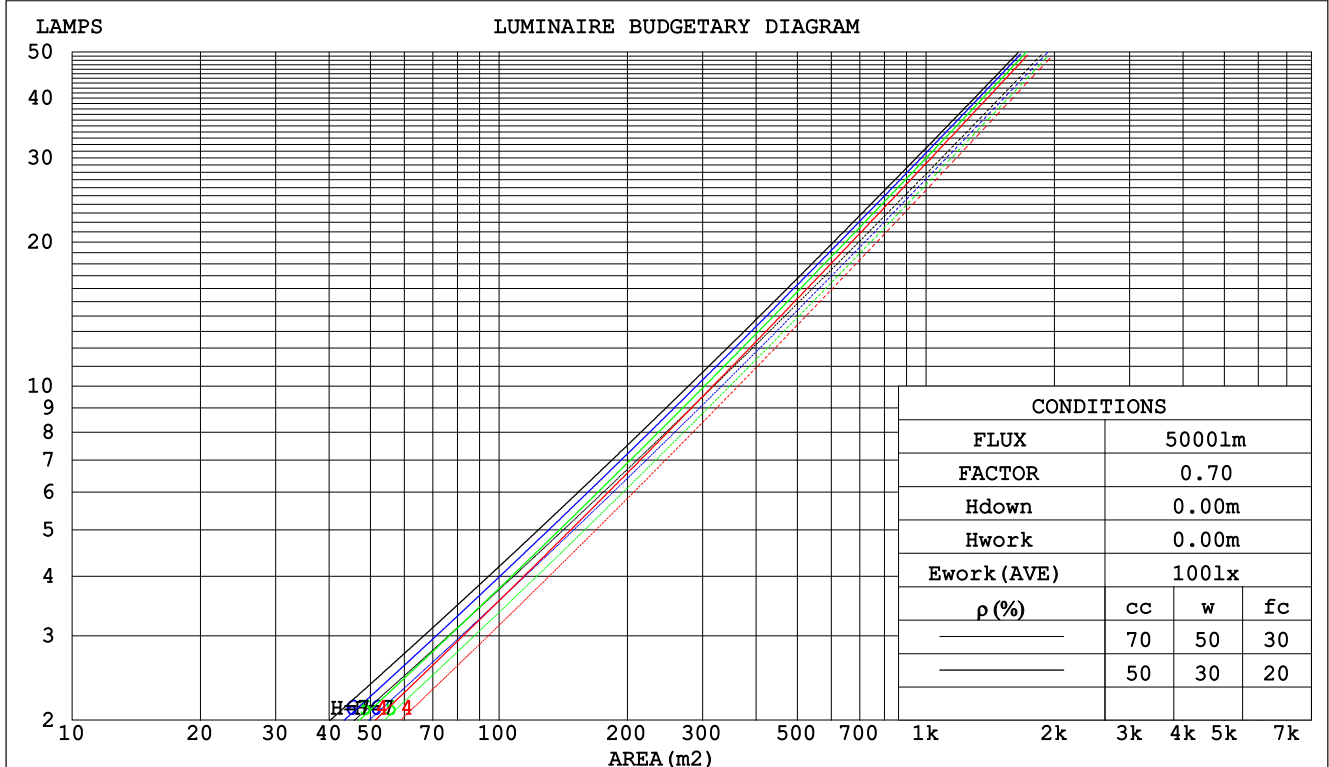
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

$\gamma$  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:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION 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	1.10	1.07	1.05	1.07	1.05	1.03	1.02	1.01	.99	.98	.97	.95	.94	.93	.92	.90
2.0	1.02	.98	.94	.90	.96	.93	.96	.93	.91	.93	.90	.88	.90	.88	.86	.84
3.0	.95	.90	.86	.94	.89	.86	.91	.87	.84	.88	.85	.82	.85	.83	.80	.79
4.0	.90	.84	.80	.88	.83	.79	.86	.82	.78	.83	.80	.77	.81	.78	.76	.74
5.0	.85	.79	.75	.84	.78	.75	.82	.77	.74	.80	.76	.73	.78	.74	.72	.70
6.0	.80	.75	.71	.79	.74	.70	.78	.73	.70	.76	.72	.69	.74	.71	.68	.67
7.0	.77	.71	.67	.76	.70	.67	.74	.70	.66	.73	.69	.66	.71	.68	.65	.64
8.0	.73	.68	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.66	.62	.60	.59
10.0	.67	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

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:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm								
NAME: LED Wall Grazer				TYPE:			WEIGHT:	
DIM.: 18.5MM*18.5MM				SPEC.:			SERIAL No.:	
MFR.:				SUR.:1*0.0185			PROTECTION 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	.187	.106	.034	.179	.102	.032	.165	.095	.030	.152	.087	.028	.139	.081	.026	
2.0	.175	.096	.029	.168	.093	.029	.156	.087	.027	.145	.081	.025	.134	.076	.024	
3.0	.163	.087	.026	.157	.084	.025	.147	.079	.024	.137	.075	.023	.128	.071	.022	
4.0	.152	.079	.023	.147	.077	.023	.138	.073	.022	.129	.070	.021	.122	.066	.020	
5.0	.143	.073	.021	.138	.071	.021	.130	.068	.020	.123	.065	.019	.116	.062	.019	
6.0	.134	.067	.019	.130	.066	.019	.123	.063	.018	.117	.061	.018	.110	.058	.017	
7.0	.127	.063	.018	.123	.061	.017	.117	.059	.017	.111	.057	.017	.105	.055	.016	
8.0	.120	.059	.016	.117	.058	.016	.111	.056	.016	.106	.054	.015	.101	.052	.015	
9.0	.114	.055	.015	.111	.054	.015	.106	.052	.015	.101	.051	.015	.097	.049	.014	
10.0	.108	.052	.014	.106	.051	.014	.101	.050	.014	.097	.048	.014	.093	.047	.013	

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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.196	.181	.168	.168	.156	.145	.115	.107	.100	.066	.062	.058	.021	.020	.019	
2.0	.181	.157	.136	.155	.135	.118	.106	.093	.082	.061	.054	.048	.020	.018	.016	
3.0	.168	.138	.114	.144	.119	.099	.099	.083	.069	.057	.048	.041	.018	.016	.013	
4.0	.157	.123	.097	.135	.106	.084	.093	.074	.059	.054	.043	.035	.017	.014	.012	
5.0	.148	.112	.085	.127	.097	.074	.088	.067	.052	.051	.040	.031	.016	.013	.010	
6.0	.140	.102	.075	.120	.089	.065	.083	.062	.046	.048	.036	.028	.016	.012	.009	
7.0	.133	.094	.068	.114	.082	.059	.079	.057	.042	.046	.034	.025	.015	.011	.008	
8.0	.126	.088	.062	.109	.076	.054	.075	.054	.038	.044	.032	.023	.014	.010	.008	
9.0	.121	.083	.057	.104	.072	.050	.072	.050	.035	.042	.030	.021	.014	.010	.007	
10.0	.116	.078	.053	.100	.068	.046	.069	.048	.033	.040	.028	.020	.013	.009	.007	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

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:

## Uncorrected UGR Table

Test:U:24.00V I:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm										
NAME: LED Wall Grazer					TYPE:			WEIGHT:		
DIM.: 18.5MM*18.5MM					SPEC.:			SERIAL No.:		
MFR.:					SUR.:1*0.0185			PROTECTION 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	11.2	12.1	11.5	12.3	12.5	11.0	11.9	11.3	12.1	12.3
3H	11.9	12.7	12.2	12.9	13.2	11.8	12.6	12.1	12.9	13.1
4H	12.2	13.0	12.6	13.3	13.6	12.2	13.0	12.5	13.3	13.5
6H	12.6	13.3	13.0	13.6	13.9	12.6	13.3	12.9	13.6	13.9
8H	12.8	13.5	13.1	13.8	14.1	12.7	13.5	13.1	13.8	14.1
12H	13.0	13.6	13.3	14.0	14.3	12.9	13.6	13.3	13.9	14.2
4H 2H	11.4	12.2	11.7	12.5	12.7	11.2	12.0	11.6	12.3	12.6
3H	12.3	13.0	12.7	13.3	13.7	12.3	13.0	12.6	13.3	13.6
4H	12.8	13.4	13.2	13.8	14.2	12.8	13.4	13.2	13.8	14.2
6H	13.3	13.9	13.8	14.3	14.7	13.4	13.9	13.8	14.3	14.7
8H	13.6	14.1	14.0	14.5	14.9	13.6	14.1	14.0	14.5	14.9
12H	13.9	14.3	14.3	14.8	15.2	13.8	14.3	14.3	14.7	15.2
8H 4H	13.0	13.5	13.5	13.9	14.4	13.0	13.5	13.5	13.9	14.4
6H	13.7	14.1	14.2	14.6	15.1	13.7	14.1	14.2	14.6	15.1
8H	14.1	14.4	14.6	14.9	15.4	14.1	14.4	14.6	14.9	15.4
12H	14.5	14.8	15.0	15.3	15.8	14.4	14.7	14.9	15.2	15.8
12H 4H	13.0	13.5	13.5	13.9	14.4	13.0	13.5	13.5	13.9	14.4
6H	13.8	14.1	14.3	14.6	15.1	13.8	14.1	14.3	14.6	15.1
8H	14.2	14.5	14.7	15.0	15.5	14.2	14.5	14.7	15.0	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.8					+ 0.6 / - 0.6				
1.5H	+ 1.0 / - 0.8					+ 0.7 / - 0.6				
2.0H	+ 1.0 / - 0.6					+ 0.8 / - 0.5				

CIE Pub.117 Corrected 302.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.2)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-12-19

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:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

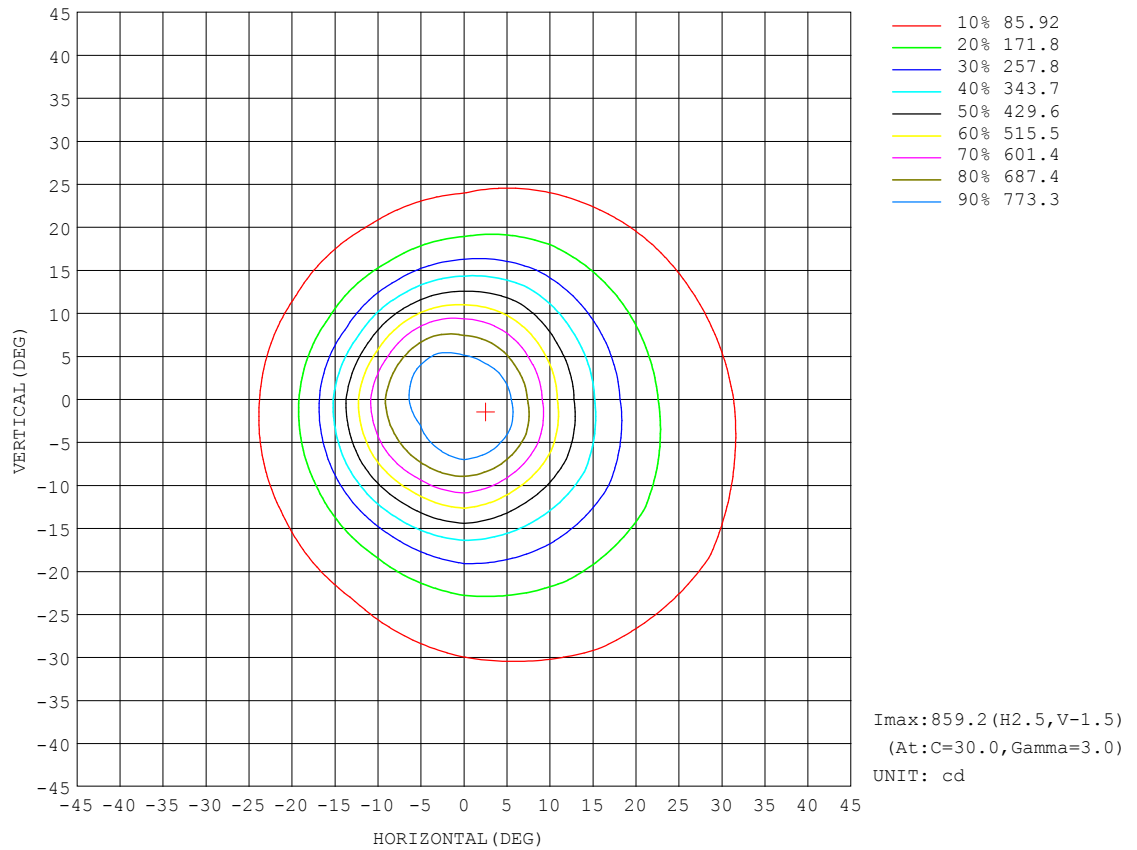
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	73	69	80	73	69	79	72	68	64
0.80	88	81	77	88	81	77	86	80	76	72
1.00	94	87	82	92	86	82	90	86	81	77
1.25	98	92	88	97	91	87	94	90	86	81
1.50	101	95	91	100	94	91	97	93	89	84
2.00	105	100	96	103	98	95	100	96	93	87
2.50	107	102	99	105	101	97	101	98	95	88
3.00	109	105	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	102	100	92
5.00	113	110	108	110	108	106	106	104	102	93
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:2023-12-19

$\gamma$  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:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

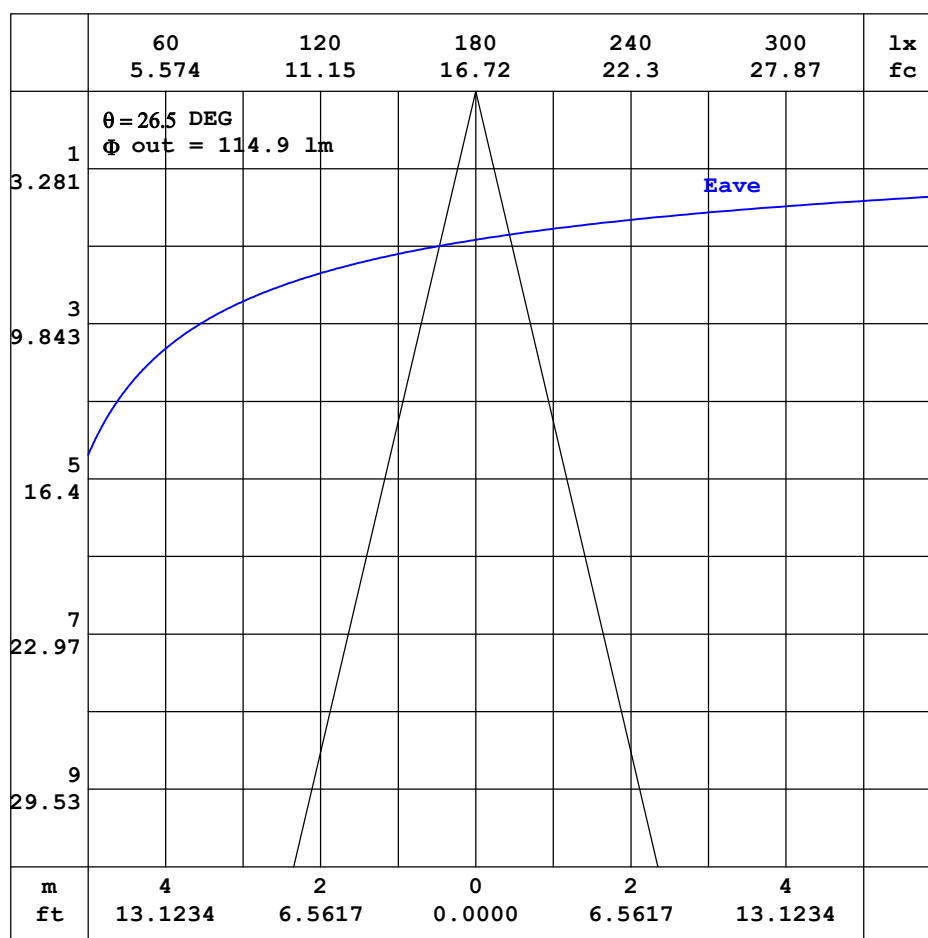


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

$\gamma$  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 CURVES

Test:U:24.00V I:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



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

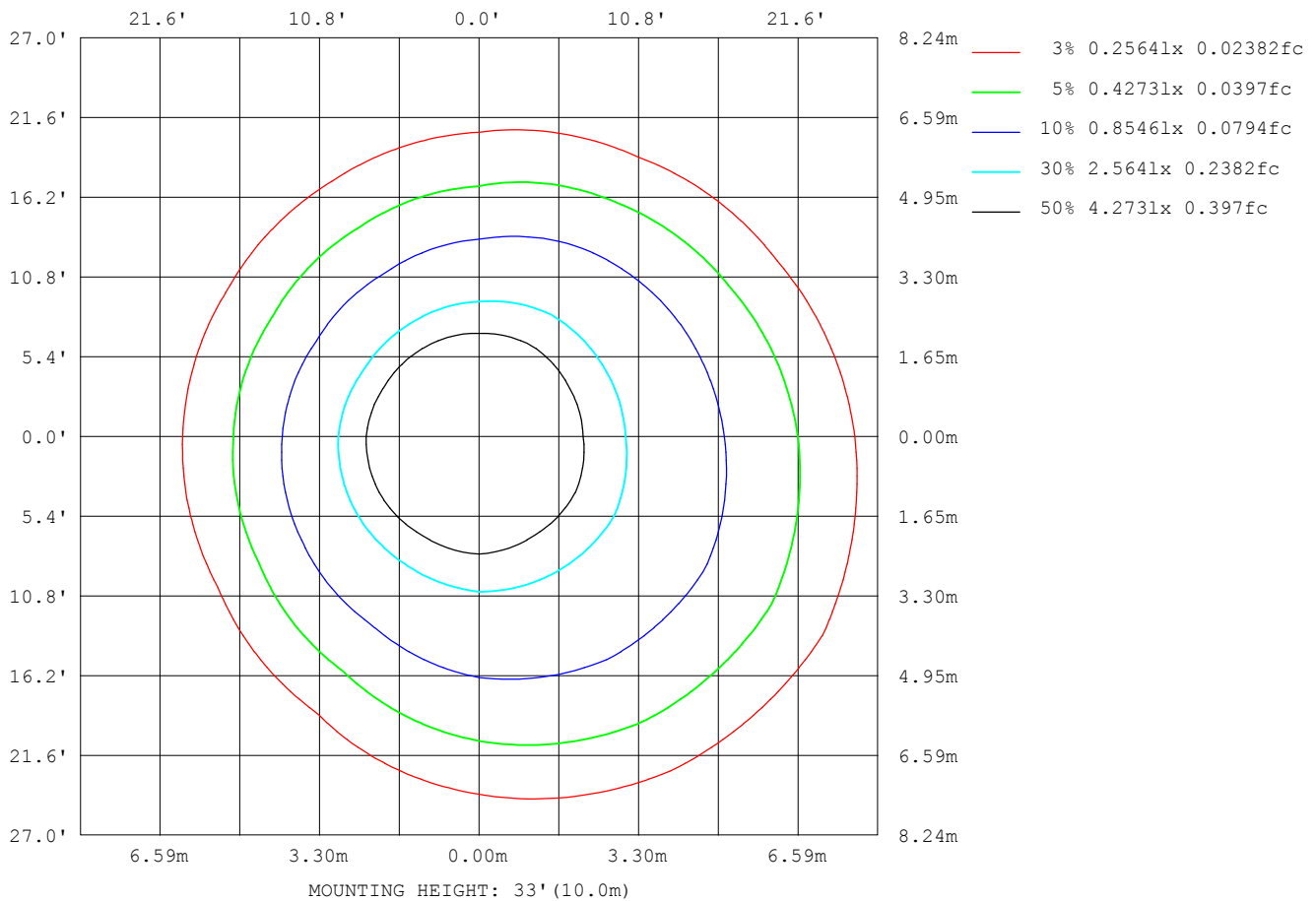
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-12-19

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

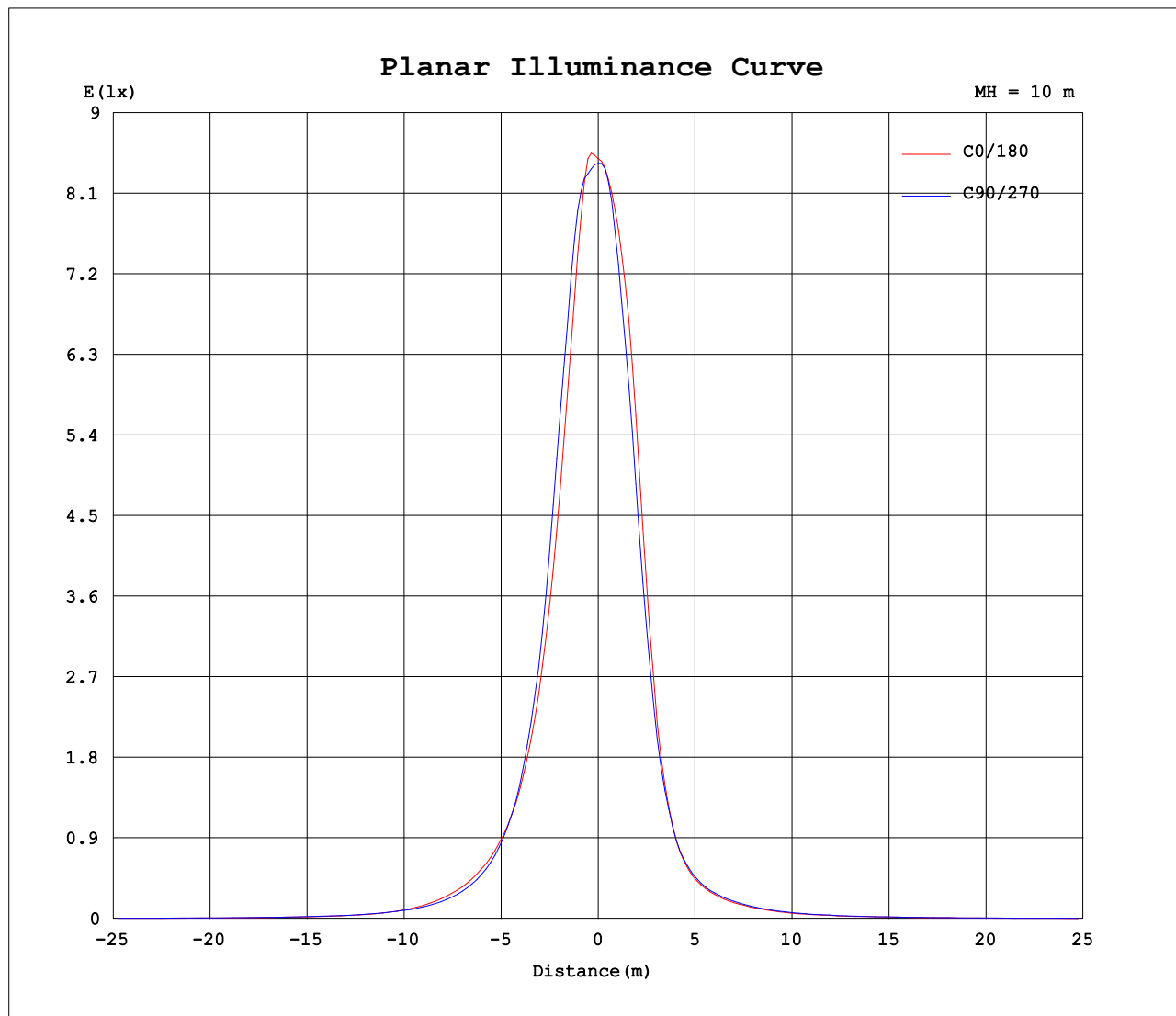
Test:U:24.00V I:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-12-19

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: 2023-12-19

$\gamma$  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:0.2860A P:6.880W PF:1.000 Lamp Flux:302.548x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	849	847	845	843	841	841	849	847	845	843	841	841						
5	794	822	830	822	801	787	801	810	803	777	767	779						
10	558	600	622	644	634	647	648	609	593	570	561	552						
15	350	383	389	403	381	373	354	304	299	313	340	338						
20	217	247	246	234	193	168	150	127	126	148	182	200						
25	140	164	160	138	101	83.1	73.9	67.0	68.4	76.8	99.5	121						
30	94.9	111	106	85.8	60.0	49.4	46.3	43.6	45.0	49.0	59.8	75.2						
35	64.9	76.8	71.2	56.0	39.8	34.1	32.8	32.4	32.8	35.3	40.1	49.9						
40	43.5	52.9	47.8	37.5	28.8	25.2	24.1	24.3	24.8	26.0	28.5	34.2						
45	27.9	34.4	31.9	26.4	21.7	18.6	17.6	18.1	18.9	19.3	20.5	23.5						
50	17.9	21.5	21.2	18.8	16.5	14.4	13.7	14.5	15.1	14.9	15.5	16.7						
55	13.0	14.6	14.8	14.0	13.1	12.0	11.1	12.2	12.5	12.0	12.3	12.5						
60	10.3	11.2	11.3	11.0	10.7	10.0	9.10	10.00	10.3	9.77	9.83	9.77						
65	8.29	8.75	8.94	8.75	8.53	8.14	7.19	7.74	7.97	7.60	7.68	7.50						
70	6.50	6.76	6.94	6.82	6.59	6.34	5.32	5.59	5.74	5.57	5.69	5.54						
75	4.88	5.05	5.14	5.06	4.83	4.66	3.59	3.65	3.74	3.75	3.87	3.80						
80	3.47	3.57	3.58	3.44	3.28	3.18	2.09	2.08	2.09	2.13	2.31	2.34						
85	2.26	2.34	2.29	2.09	2.02	1.96	0.92	0.90	0.88	0.90	1.10	1.19						
90	1.37	1.35	1.39	1.33	1.33	1.25	0.36	0.39	0.42	0.40	0.42	0.41						
95	1.28	1.24	1.30	1.27	1.27	1.18	0.44	0.45	0.52	0.45	0.48	0.39						
100	1.23	1.19	1.26	1.24	1.22	1.14	0.55	0.54	0.62	0.53	0.54	0.46						
105	1.19	1.18	1.22	1.19	1.18	1.14	0.67	0.69	0.75	0.63	0.63	0.53						
110	1.16	1.17	1.20	1.19	1.16	1.15	0.80	0.81	0.90	0.77	0.75	0.63						
115	1.14	1.17	1.19	1.21	1.16	1.19	0.98	0.98	1.05	0.95	0.91	0.78						
120	1.15	1.21	1.19	1.27	1.20	1.27	1.19	1.21	1.27	1.17	1.13	1.00						
125	1.26	1.32	1.30	1.38	1.34	1.42	1.46	1.49	1.53	1.43	1.39	1.26						
130	1.49	1.51	1.49	1.58	1.55	1.63	1.74	1.76	1.79	1.69	1.66	1.55						
135	1.76	1.77	1.73	1.82	1.81	1.92	2.04	2.03	2.04	1.95	1.93	1.81						
140	2.09	2.08	2.05	2.11	2.12	2.24	2.27	2.23	2.25	2.14	2.13	2.05						
145	2.44	2.42	2.34	2.40	2.44	2.55	2.42	2.37	2.39	2.29	2.29	2.20						
150	2.76	2.71	2.61	2.66	2.68	2.82	2.52	2.46	2.48	2.39	2.40	2.32						
155	3.01	2.96	2.82	2.85	2.88	3.03	2.59	2.53	2.55	2.44	2.47	2.42						
160	3.16	3.10	2.92	2.96	3.01	3.10	2.65	2.61	2.61	2.45	2.47	2.47						
165	3.18	3.08	2.95	2.96	3.03	3.09	2.70	2.65	2.66	2.50	2.47	2.48						
170	3.10	2.96	2.95	2.95	3.03	3.01	2.74	2.70	2.72	2.59	2.50	2.48						
175	2.94	2.88	2.95	2.95	2.94	2.86	2.77	2.75	2.82	2.70	2.63	2.49						
180	2.86	2.88	2.92	2.91	2.83	2.71	2.82	2.86	2.89	2.86	2.83	2.70						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

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	848.9	846.8	845.0	843.4	841.5	841.0	848.9	846.8	845.0	843.4
3.0	852.0	859.8	849.1	835.3	820.9	818.3	829.5	834.1	836.8	827.9
6.0	753.0	787.2	802.2	803.2	784.4	771.1	782.2	789.3	778.5	742.4
9.0	606.4	651.6	672.3	686.4	682.7	688.0	694.3	668.5	648.3	618.4
12.0	463.2	504.1	519.3	548.7	530.2	539.3	532.4	485.9	467.6	457.5
15.0	350.2	383.4	388.8	403.4	381.4	373.1	354.0	303.9	299.0	312.7
18.0	261.4	296.7	293.9	291.4	253.4	231.5	209.0	179.0	176.0	195.8
21.0	197.8	226.2	225.2	209.5	169.2	145.4	127.6	109.6	109.2	125.9
24.0	152.6	178.0	173.3	152.5	114.4	95.20	83.16	74.57	75.83	85.32
27.0	119.3	140.4	134.9	113.2	80.89	65.87	59.74	55.42	56.78	62.84
30.0	94.93	110.9	105.9	85.75	59.98	49.41	46.29	43.61	44.95	48.96
33.0	75.58	89.20	83.45	66.06	46.24	38.93	37.25	36.15	37.03	39.91
36.0	60.02	71.55	65.77	51.35	37.05	31.92	30.94	30.65	31.00	33.34
39.0	47.32	57.19	51.84	40.48	30.53	26.85	25.72	25.72	26.24	27.62
42.0	36.62	45.45	40.69	32.40	25.64	22.39	21.16	21.46	22.12	22.96
45.0	27.88	34.43	31.95	26.37	21.67	18.57	17.56	18.13	18.87	19.25
48.0	21.22	25.94	25.00	21.63	18.33	15.82	14.98	15.72	16.36	16.30
51.0	16.64	19.68	19.58	17.63	15.68	13.86	13.10	14.00	14.48	14.20
54.0	13.68	15.60	15.79	14.77	13.69	12.39	11.57	12.61	13.01	12.49
57.0	11.80	12.92	13.16	12.66	12.09	11.17	10.27	11.33	11.67	11.05
60.0	10.31	11.15	11.31	11.01	10.68	10.02	9.097	10.000	10.32	9.768
63.0	9.056	9.600	9.821	9.585	9.373	8.877	7.961	8.658	8.920	8.477
66.0	7.910	8.324	8.518	8.345	8.126	7.787	6.796	7.261	7.514	7.180
69.0	6.854	7.123	7.327	7.189	6.960	6.676	5.675	5.974	6.172	5.979
72.0	5.824	6.048	6.211	6.138	5.884	5.631	4.599	4.768	4.895	4.848
75.0	4.884	5.054	5.141	5.058	4.829	4.657	3.585	3.652	3.736	3.752
78.0	4.009	4.119	4.175	4.083	3.868	3.742	2.655	2.661	2.705	2.737
81.0	3.209	3.290	3.300	3.129	2.993	2.913	1.837	1.821	1.811	1.852
84.0	2.486	2.571	2.516	2.335	2.239	2.189	1.143	1.103	1.088	1.072
87.0	1.797	1.878	1.862	1.707	1.606	1.496	0.5062	0.5092	0.5115	0.5695
90.0	1.368	1.351	1.388	1.327	1.332	1.246	0.3570	0.3920	0.4223	0.4021
93.0	1.302	1.251	1.327	1.282	1.297	1.191	0.4023	0.3970	0.4726	0.4220
96.0	1.267	1.241	1.297	1.256	1.262	1.161	0.4577	0.4523	0.5381	0.4573
99.0	1.241	1.196	1.277	1.241	1.226	1.146	0.5279	0.5224	0.6033	0.5225
102.0	1.211	1.176	1.252	1.206	1.206	1.141	0.5933	0.5977	0.6788	0.5927
105.0	1.186	1.176	1.221	1.191	1.181	1.141	0.6687	0.6881	0.7492	0.6331
108.0	1.171	1.171	1.201	1.191	1.166	1.141	0.7442	0.7684	0.8347	0.7083
111.0	1.156	1.166	1.196	1.191	1.166	1.151	0.8346	0.8390	0.9301	0.7989
114.0	1.141	1.171	1.191	1.201	1.156	1.171	0.9352	0.9396	1.016	0.9193
117.0	1.141	1.181	1.186	1.216	1.156	1.216	1.051	1.075	1.131	1.025
120.0	1.146	1.206	1.186	1.267	1.201	1.267	1.187	1.211	1.272	1.171
123.0	1.206	1.262	1.246	1.327	1.281	1.352	1.342	1.367	1.413	1.321
126.0	1.301	1.342	1.327	1.418	1.392	1.458	1.508	1.528	1.579	1.487
129.0	1.432	1.463	1.437	1.538	1.502	1.589	1.689	1.708	1.735	1.648
132.0	1.577	1.594	1.572	1.664	1.643	1.734	1.865	1.869	1.900	1.799
135.0	1.758	1.775	1.728	1.825	1.809	1.915	2.036	2.030	2.036	1.950
138.0	1.959	1.951	1.909	1.996	2.000	2.106	2.182	2.156	2.172	2.060
141.0	2.160	2.152	2.100	2.177	2.185	2.302	2.302	2.266	2.272	2.166
144.0	2.366	2.348	2.281	2.342	2.366	2.493	2.397	2.362	2.367	2.246
147.0	2.562	2.533	2.452	2.513	2.537	2.669	2.463	2.407	2.433	2.322
150.0	2.758	2.714	2.608	2.664	2.683	2.825	2.518	2.463	2.483	2.387
153.0	2.914	2.870	2.753	2.785	2.809	2.951	2.553	2.513	2.533	2.442
156.0	3.035	3.001	2.849	2.885	2.924	3.066	2.593	2.553	2.563	2.457
159.0	3.126	3.086	2.925	2.950	2.975	3.096	2.639	2.603	2.598	2.453
162.0	3.181	3.096	2.950	2.955	3.015	3.096	2.659	2.618	2.634	2.468
165.0	3.181	3.081	2.950	2.955	3.025	3.091	2.699	2.648	2.659	2.498
168.0	3.166	3.015	2.950	2.955	3.025	3.050	2.734	2.704	2.699	2.543
171.0	3.066	2.940	2.950	2.950	3.011	2.965	2.744	2.699	2.744	2.598
174.0	2.965	2.905	2.950	2.950	2.955	2.875	2.759	2.729	2.795	2.678
177.0	2.895	2.880	2.935	2.910	2.910	2.769	2.795	2.774	2.875	2.774
180.0	2.860	2.880	2.920	2.910	2.835	2.709	2.824	2.860	2.895	2.865
G/C	300.0	330.0								
0.0	841.5	841.0								
3.0	823.7	828.9								
6.0	734.6	738.1								
9.0	609.0	597.9								
12.0	468.1	454.7								
15.0	340.0	337.9								
18.0	233.1	245.9								
21.0	160.5	179.6								
24.0	111.6	132.6								
27.0	79.97	99.46								
30.0	59.85	75.24								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-12-19

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:

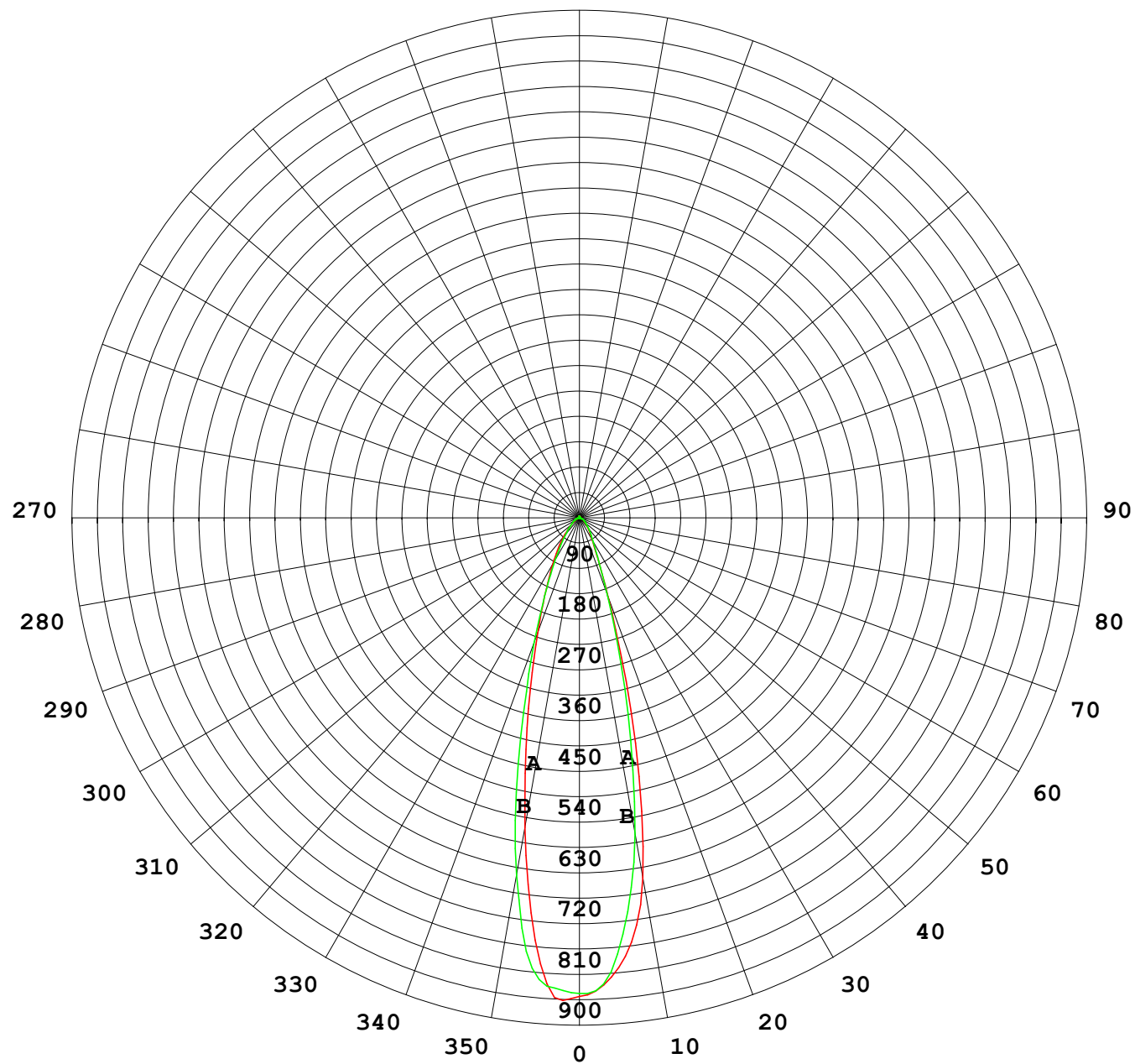
## Photometric Data Table [cd]

33.0	46.49	58.69
36.0	37.38	46.29
39.0	30.50	36.76
42.0	24.90	29.30
45.0	20.51	23.48
48.0	17.24	18.88
51.0	14.75	15.62
54.0	12.85	13.14
57.0	11.26	11.27
60.0	9.830	9.768
63.0	8.508	8.372
66.0	7.278	7.070
69.0	6.077	5.928
72.0	4.931	4.833
75.0	3.871	3.802
78.0	2.907	2.882
81.0	2.042	2.108
84.0	1.314	1.394
87.0	0.7267	0.7959
90.0	0.4172	0.4076
93.0	0.4475	0.3920
96.0	0.4877	0.3920
99.0	0.5279	0.4422
102.0	0.5732	0.4773
105.0	0.6335	0.5326
108.0	0.6989	0.5928
111.0	0.7793	0.6681
114.0	0.8699	0.7635
117.0	0.9956	0.8590
120.0	1.126	1.005
123.0	1.282	1.180
126.0	1.453	1.316
129.0	1.609	1.497
132.0	1.775	1.653
135.0	1.925	1.814
138.0	2.056	1.960
141.0	2.167	2.065
144.0	2.262	2.166
147.0	2.342	2.251
150.0	2.398	2.322
153.0	2.448	2.387
156.0	2.468	2.437
159.0	2.468	2.468
162.0	2.468	2.478
165.0	2.473	2.478
168.0	2.488	2.478
171.0	2.518	2.478
174.0	2.594	2.478
177.0	2.709	2.548
180.0	2.829	2.704

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

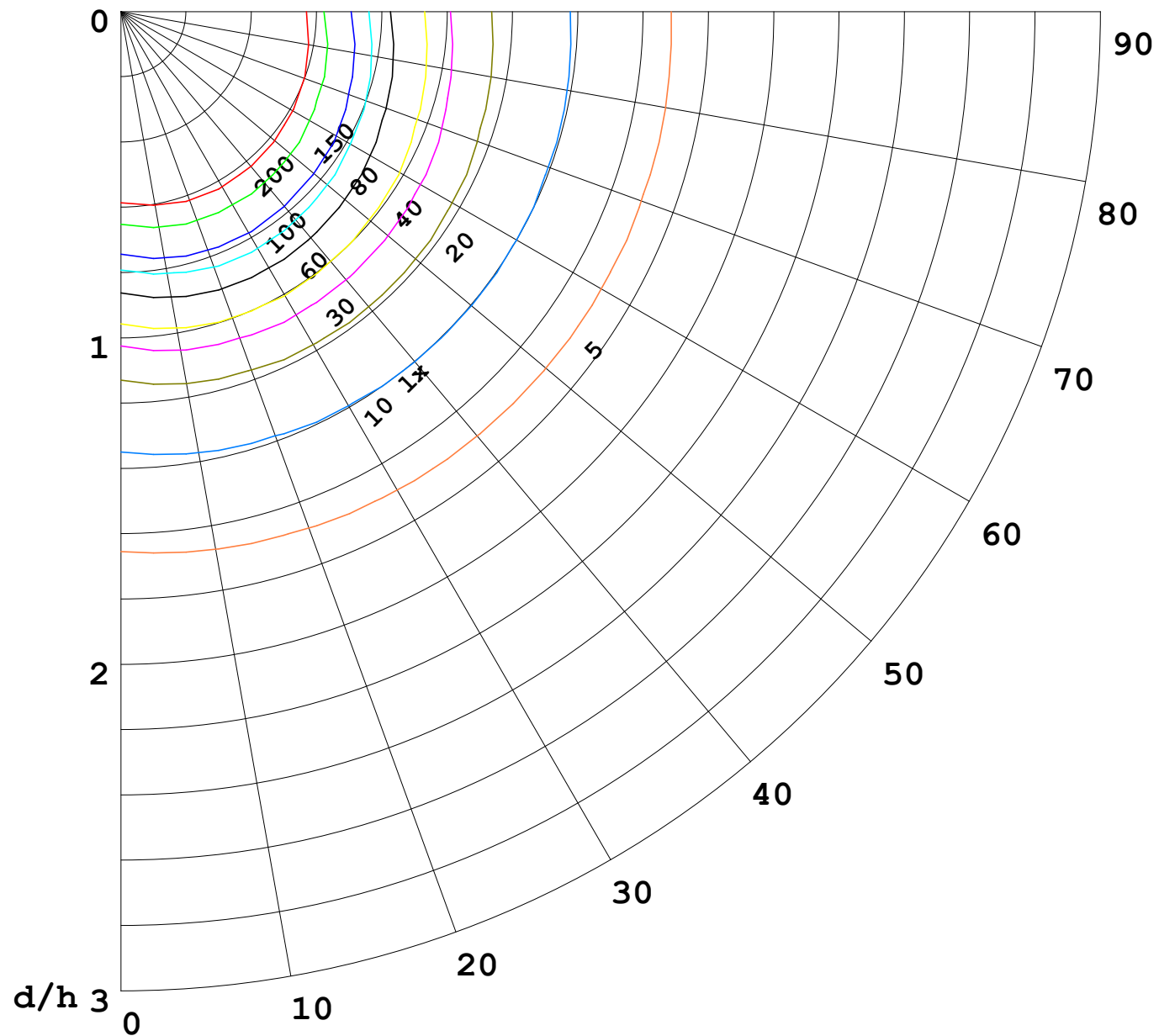
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

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

